



Regional District of Central Kootenay
WATER SERVICES COMMITTEE
Open Meeting Agenda

Date: Wednesday, December 6, 2023
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. WEBEX 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 am PST / 10:00 am MST

Join by Video:

<https://nelsonho.webex.com/nelsonho/j.php?MTID=m2b285a74263aa6ed2b8107987696dbc5>

Join by Phone:

+1-604-449-3026 Canada Toll (Vancouver)

Meeting Number (access code): 2771 671 2562

Meeting Password: PYit63WNNU2

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

2. CALL TO ORDER & WELCOME

Chair Newell to call the meeting to order at 9:00 am.

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 December 5, 2023 Water Services Committee meeting be adopted as circulated.

2.3 Receipt of Minutes

5 - 10

The October 4, 2023 Water Services Committee minutes, have been received.

3. STAFF SUPPORT FOR NON-RDCK OWNED WATER & WASTEWATER SYSTEM

11 - 18

The November 30, 2023 Committee Report from Jason McDiarmid, Utility Services Manager, seeking direction on the provision of staff support to other area water and wastewater systems, has been received.

RECOMMENDATION:

[All Areas]

That the Water Services Committee direct staff to take no further action regarding provision of additional staff support to other area water and wastewater systems at this time.

4. QUEENS BAY RESORT CAPITAL INFRASTRUCTURE CHARGES

19 - 24

The November 29, 2023 Committee Report from Nathalie Nick, Environmental Coordinator - Utility Services, seeking direction on assessed Capital Infrastructure Charges for Queens Bay Resort (QBR) Development in Balfour, has been received.

RECOMMENDATION:

[Area E]

That the Board direct staff to include \$28,500 (50% of full charge) in Capital Infrastructure Charges (CIC) for the Queens Bay Resort Phase 3 development agreement;

AND FURTHER, that RDCK costs associated with the agreement be paid from Service No. S255 Water Utility-Area E (Balfour).

5. ANNUAL CONSUMPTION REPORT

25 - 51

The Water Systems 2018-2022 Water Consumption report prepared by Eileen Senyk, Water Services Liaison, has been received.

6. 2024 WATER MANAGEMENT PLAN

52 - 67

The November 20, 2023 Committee Report from Jason McDiarmid, Utility Services Manager, presenting the 2024 Water Management Plan for review and comment, has been received.

7. ASSET MANAGEMENT CHALLENGE: RIONDEL

68 - 84

The December 06, 2023 Asset Challenge Riondel Drainage presentation prepared by J. McDiarmid, has been received.

- 8. WATER OPERATIONS AND CAPITAL PROJECT UPDATE** 85 - 91
The November 29, 2023 Committee Report from Alexandra Divlakovski, Water Operations Manager, providing an update to the Committee and highlight the larger maintenance and capital projects completed to date in 2023, has been received.
- 9. OCTOBER 2023 UTILITY SERVICES STATEMENT** 92 - 111
The October 2023 Summary of Utility Services Financial Statements Budget & Expenditures to Date, has been received.
- 10. 2024-2028 FINANCIAL PLANS** 112 - 132
The following DRAFT 2024-2028 Financial Plans have been recieved:
 - a. Service S251: Water Utility-Area B (Arrow Creek)
 - b. Service S255: Water Utility-Area E (Balfour)
 - c. Service S252: Water Utility-Area K (Burton)
 - d. Service S248: Water Utility-Area F (Duhamel)
 - e. Service S253: Water Utility-Area K (Edgewood)
 - f. Service S250: Water Utility-Area B & C (Erickson)
 - g. Service S254: Water Utility-Area K (Fauquier)
 - h. Service S258: Water Utility-Area E (Grandview)
 - i. Service S243: Water Utility-Area B (Lister)
 - j. Service S247: Water Utility-Area J (Lucas Road)
 - k. Service S246: Water Utility-Area D (MacDonald Creek)
 - l. Service S165: Drainage-Area A (Riondel)
 - m. Service S241: Water Utility-Area A (Riondel)
 - n. Service S260: Water Utility-Area H (Rosebery)
 - o. Service S242: Water Utility-Area A (Sanca Park)
 - p. Service S245: Water Utility-Area H (South Slocan)
 - q. Service S257: Water Utility-Area F (Woodland Heights)
 - r. Service S256: Water Utility-Area J (West Robson)
 - s. Service S244: Water Utility-Area G (Ymir)
- 11. CORRESPONDENCE FOR RECEIPT** 133 - 153
 - a. November 20, 2023 Sanca Park Water Services Community Advisory Committee Discussion Notes excluding Attachments A to E. Complete package available to Directors upon request.

- b. November 20, 2023 South Slocan Water System Community Advisory Committee Discussion Notes
- c. November 21, 2023 Woodbury Village Water System Community Advisory Committee Discussion Notes
- d. November 23, 2023 Edgewood Water System Community Advisory Committee Discussion Notes
- e. November 28, 2023 Riondel Water System Community Advisory Committee Discussion Notes excluding Attachments A to C. Complete package available to Directors upon request.
- f. November 30, 2023 Balfour Water System Community Advisory Committee Discussion Notes

The following ***will be laid on the table***:

- a. November 23, 2023 Ymir Commission of Management Minutes
- b. December 1, 2023 Arrow Creek Water Treatment & Supply Commission Minutes
- c. December 4, 2023 Erickson Water Services Community Advisory Committee Discussion Notes

12. PUBLIC TIME

The Chair will call for questions from the public and members of the media at 11:45 am PST / 12:45 pm MST.

13. ADJOURNMENT

RECOMMENDATION:

The December 6, 2023 Water Services Committee meeting adjourn at _____ am/pm.



Water Services Committee Open Meeting **MINUTES**

A Water Services Committee meeting was held on Wednesday, October 4, 2023 at 9:00 am PDT through a hybrid meeting model.

Quorum was maintained throughout the meeting.

ELECTED OFFICIALS	Director T. Newell	Area F (Committee Chair)	In-Person
PRESENT:	Director G. Jackman	Area A	In-Person
	Director R. Tierney	Area B	
	Director K. Vandenberghe	Area C	
	Director A. Watson	Area D	
	Director C. Graham	Area E	
	Director H. Cunningham	Area G	In-Person
	Director W. Popoff	Area H	In-Person
	Director H. Hanegraaf	Area J	
	Director T. Weatherhead	Area K	
ELECTED OFFICIALS	Councillor J. Elford	Town of Creston	
ABSENT:			
GUEST:	Councillor A. Mondia	Town of Creston	
STAFF PRESENT:	U. Wolf	GM – Environmental Services	In-Person
	A. Divlakovski	Water Operations Manager	In-Person
	J. McDiarmid	Utility Services Manager	In-Person
	E. Senyk	Water Services Liaison	In-Person
	N. Nick	Environmental Coordinator, Utility Services	In-Person
	S. Eckman	Meeting Coordinator	In-Person

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Join by Video:

<https://nelsonho.webex.com/nelsonho/j.php?MTID=ma1e9678d0cea9b5a3728ea695921aad7>

Join by Phone:

1-844-426-4405 Canada Toll Free

+1-604-449-3026 Canada Toll (Vancouver)

Meeting Number (access code): 2772 144 4906

Meeting Password: JcixGyh544

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

2. CALL TO ORDER & WELCOME

Chair Newell called the meeting to order at 9:02 am PDT.

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

Moved and Seconded,
And Resolved:

The Agenda for the October 4, 2023 Water Services Committee meeting be adopted as circulated.

Carried

2.3 Receipt of Minutes

The August 2, 2023 Water Services Committee minutes, have been received.

2.4 Freedom of the Floor

Moved and Seconded,
And Resolved:

That Councillor Mondia, Town of Creston have freedom of the floor.

Carried

DIRECTOR Director Watson left the meeting at 9:05 am.
ABSENT

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

3. ASSET CHALLENGE: GROUNDWATER WELLS AND THE NEED FOR REDUNDANCY

The October 4, 2023 Asset Challenge: Water Well Failure & the Need for Redundancy presentation prepared by Jason McDiarmid, Utility Services Manager, has been received.

DIRECTOR Director Watson joined the meeting at 9:14 am.
PRESENT

4. ASSET CHALLENGE: LINEAR INFRASTRUCTURE RENEWAL POTENTIAL LONG-TERM RATES REQUIREMENT

The October 4, 2023 Asset Challenge: Linear Infrastructure Renewal Potential Long-Term Water Rates presentation prepared by Jason McDiarmid, Utility Services Manager, has been received.

DIRECTOR Director Watson left the meeting at 9:51 am.
ABSENT

RECESS Meeting recessed for a break from 10:02 am to 10:10 am.

DIRECTOR Director Watson joined the meeting at 10:10 am.
PRESENT

5. DECOMMISSIONING OF ASBESTOS PIPE POLICY

The September 18, 2023 Committee Report from Jason McDiarmid, Utility Services Manager, presenting the proposed Board Policy – Decommissioning of Asbestos Cement Pipe in Regional District Water Services to the Water Service Committee for adoption, has been received.

Moved and seconded,

And resolved that it be recommended to the Board that:

Staff be directed to amend the draft Decommissioning of Asbestos Cement Pipe Policy No. 600-03-08 by removing reference to making the asbestos pipe mapping information available to the public.

Carried

6. DRINKING WATER SYSTEMS PATHOGEN RISK WATER QUALITY MANAGEMENT POLICY

The September 18, 2023 Committee Report from Jason McDiarmid, Utility Services Manager, presenting the latest Drinking Water Systems Pathogen Risk Water Quality Management Policy draft to the Water Services Committee for adoption, has been received.

Moved and seconded,

And resolved that it be recommended to the Board that:

The Regional District Water Services Committee recommends that the Board adopt Policy Number 600-03-07 Drinking Water Systems Pathogen Risk Water Quality Management, effective immediately.

Carried

Moved and seconded,

And resolved that it be recommended to the Board that:

Board Resolution #534/17, being:

That the Regional District Board of Directors direct Staff to implement the following water quality action plan for the Burton Water System:

- 1) Issue a long term Water Quality Advisory for Burton that can be eventually removed if there is a satisfactory history of good water sampling results.*
- 2) Public facilities such as the campground, school, community center, food and beverage establishments, and the future senior's facility will be encouraged to install their own onsite water disinfection systems.*
- 3) The water system will be flushed more frequently in areas where water consumption might be low.*
- 4) The school and campground will be encouraged to flush and disinfect their water systems when not used for extended periods of time.*

- 5) *Continue with more frequent bacteriological water sampling. The Regional District is currently sampling from the wells, two distribution locations and the water storage reservoir on a weekly basis.*
- 6) *Consumption level chlorination will be added to the Burton water system for a minimum two week period, twice annually.*

be rescinded.

Carried

7. WORK PLAN TO LIFT MORATORIUM

The September 4, 2023 Committee Report from Jason McDiarmid, Utility Services Manager, presenting a work plan to the Water Services Committee for lifting the moratorium on the intake of acquisition applications from water and wastewater systems, has been received.

8. WATERSMART PROGRAM: REQUEST FOR DIRECTION

The October 4, 2023 Committee Report from Eileen Senyk, Water Services Liaison, seeking direction regarding future direction for a Water Smart Ambassador program, has been received.

Moved and seconded,

And resolved that it be recommended to the Board that:

The Water Services Committee direct to staff to take no further action regarding a Water Smart Ambassador program at this time.

Carried

RECESS Meeting recessed for a break from 11:20 am to 11:25 am.

9. UTILITY SERVICES FINANCIAL STATEMENTS: BUDGET & EXPENDITURES SUMMARY

The August 2023 Summary of Utility Services Financial Statements Budget & Expenditures to Date, has been received.

10. STAFF REPORTS

10.1 Water Operations & Capital Projects Update

The September 28, 2023 Committee Report from Alexandra Divlakovski, Water Operations Manager, providing an update to the Committee and highlight the larger maintenance and capital projects completed to date in 2023, has been received.

10.2 Water Quality Quarterly Report

The September 14, 2023 Committee Report from Nathalie Nick, Environmental Coordinator - Utility Services summarizing the water advisories issued from May 1, 2023 to August 31, 2023 for water systems operated by the RDCK, has been received.

10.3 2024 Budget Discussion Meetings

Staff is in the process of scheduling a 2024 Budget Discussion meeting with the following Water Services Community Advisory Committees (WSCACs) and Commissions of Management.

1. Balfour WSCAC
2. Grandview Properties WSCAC
3. Edgewood WSCAC
4. Sanca WSCAC
5. South Slocan WSCAC
6. Woodland Heights WSCAC
7. Woodbury Village WSCAC
8. Arrow Creek Commission of Management
9. Ymir Commission of Management
10. Riondel WSCAC
11. Erickson WSCAC.

11. CORRESPONDENCE FOR RECEIPT

The following correspondence has been received:

- a. July 31, 2023 Sanca Park Water Community Advisory Committee meeting Discussion Notes.

12. PUBLIC TIME

The Chair called for questions from the public and members of the media at 11:38 am PDT.

DIRECTOR Director Weatherhead left the meeting at 11:44 am.
ABSENT

13. ADJOURNMENT

Moved and Seconded,
And Resolved:

The October 4, 2023 Water Services Committee meeting adjourn at 11:48 am PDT.

CERTIFIED CORRECT



Director T. Newell
Chair, Water Services Committee
October 4, 2023 meeting

BOARD RECOMMENDATIONS AS ADOPTED AT THE AUGUST 2, 2023 WATER SERVICES COMMITTEE MEETING

RECOMMENDATION #1

Staff be directed to amend the draft Decommissioning of Asbestos Cement Pipe Policy No. 600-03-08 by removing reference to making the asbestos pipe mapping information available to the public.

RECOMMENDATION #2

The Regional District Water Services Committee recommends that the Board adopt Policy Number 600-03-07 Drinking Water Systems Pathogen Risk Water Quality Management, effective immediately.

RECOMMENDATION #3

Board Resolution #534/17, being:

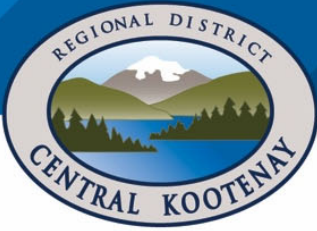
That the Regional District Board of Directors direct Staff to implement the following water quality action plan for the Burton Water System:

- 1) Issue a long term Water Quality Advisory for Burton that can be eventually removed if there is a satisfactory history of good water sampling results.*
- 2) Public facilities such as the campground, school, community center, food and beverage establishments, and the future senior's facility will be encouraged to install their own onsite water disinfection systems.*
- 3) The water system will be flushed more frequently in areas where water consumption might be low.*
- 4) The school and campground will be encouraged to flush and disinfect their water systems when not used for extended periods of time.*
- 5) Continue with more frequent bacteriological water sampling. The Regional District is currently sampling from the wells, two distribution locations and the water storage reservoir on a weekly basis.*
- 6) Consumption level chlorination will be added to the Burton water system for a minimum two week period, twice annually.*

be rescinded.

RECOMMENDATION #4

The Water Services Committee direct to staff to take no further action regarding a Water Smart Ambassador program at this time.



Committee Report

Date of Report: November 30, 2023
Date & Type of Meeting: December 06, 2023, Water Services Committee
Author: Jason McDiarmid, Utility Services Manager
Subject: STAFF SUPPORT FOR OTHER WATER AND WASTEWATER SYSTEMS
File: 11-5700-05-Moratorium
Electoral Area/Municipality All Areas

SECTION 1: EXECUTIVE SUMMARY

The purpose of this report is to seek Water Services Committee direction on provision of staff support to other area water and wastewater systems.

SECTION 2: BACKGROUND/ANALYSIS

Many area water systems are owned by Improvement Districts, societies or other not for profit entities. These water systems are typically administered and operated by volunteers that may have limited training and experience, and may not possess the required water system operator certifications. Only a few larger water systems have paid operators or contracted operations. Some water systems are owned by corporations. These corporations are typically owned by the neighborhood developer and a few are owned by the property owners in the water system.

Most area rural properties have their own onsite wastewater disposal but there are a small number of non-local government owned wastewater systems.

Area water and waste systems have in the past sought advice from the Regional District on water and wastewater matters, such as: regulatory requirements, licensing, certifications, technical issues, operations, contracted services, consultant services, construction services, contract administration, grant applications, asset management, rate setting, land issues, metering and equipment. A few water systems have also inquired as to whether or not the Regional might provide water system operation but not ownership.

Regional District staff already provide minor advisory support to other water and wastewater systems but staff are conscious of time spent helping others as water staff are funded primarily by services owned by the Regional District. In addition, Water staff spend a significant amount of time answering and redirecting public inquiries for Provincial matters such as water licensing, regulatory requirements, water system ownership, private septic system, and highway drainage. Staff also often get inquiries related to land issues and lack of easements or statutory right of ways. As of 2023, \$35,000 in funding from Rural Administration (Service S101) taxation was provided to water administration (Service A103) to cover these costs.

It is anticipated that the Regional District will be lifting the moratorium on the acquisition of water and wastewater systems. The application and approval process is also anticipated to take a significant amount of staff time. Staff time funding and potential cost recover are still to be determined.

Provision of additional services to others might take three forms: Non-billable support services to others, billable project management and contracted system operation for others, or a provincially supported and funded service.

EXPANDED NON-BILLABLE ADMINISTRATIVE SUPPORT SERVICES TO OTHERS

Potential Scope of Expanded Services

We might consider expanding the non-billable administrative support services provided to others to include but not limited to such things as:

- 💧 Provision of technical support and advice to other water and wastewater systems
- 💧 Identification and establishment of a panel of experts consisting of local government staff, regulatory staff, consultants and contractors that can provide advice on area water matters
- 💧 Online discussion boards
- 💧 Standard questions and answers
- 💧 Coordination and advice on studies, grants and regulatory requirements
- 💧 Assistance with regulatory reporting and grant applications
- 💧 Assistance with provision of public information and notifications
- 💧 Assistance with procurement of consultants, contractors and materials

Service Establishment Requirements

If the amount of support to other systems is significantly expanded, an official new Regional District service may need to be created. Staff do not believe creation of a new service of this type would need public approval but this would require further review. The Board may choose the option of public approval regardless. Establishment of a new service could be time consuming and costly, and might not be successful due the requirements for public approval.

Staffing Requirements

The Regional District has a long standing moratorium on the acquisition of new systems because the new systems came with a significant extra work load and complication. Staff have been directed by the Board to draft a plan for lifting of the moratorium by June 2024. Provision of additional services to others would make staff overall service delivery more complicated and demanding.

Many other area water services have complex issues that could demand a lot of staff time including: lack of land ownership, limited water supply, water quality issues, lack of treatment, aging infrastructure, and lack of adequate funding. It might be difficult to manage other water system's needs and customer expectations with the available financial and staff resources. Prioritization of work of Regional District services versus work for others could also be a concern. Ideally there might ultimately be a dedicated staff person to coordinate provision of services to others but creation of a new staff position should be postponed until we are certain there is enough work to warrant a new staff member.

Potential Liability

Any time advice or information is provide to others it creates a potential liability to the Regional District. As a very minimum, staff providing advice to others need to provide some sort of liability statement. Ideally others should agree in writing to terms of service and a liability agreement before advice or services are provided to others. Such a document would need to be drafted.

Potential Costs

If administrative support service levels to other water and wastewater services are expanded, alternate funding will need to be identified or additional funding from rural taxation would be needed.

It is difficult to determine how much time might be spent on services to others but a potential starting point might be 1 FTE equivalent.

The BC assessment tax roll for Regional District rural taxation includes about 24,847 properties. Subtracting parcels of land in Regional District water services, the approximate total parcel of land that are serviced by other water systems, private systems or have no service are about 22,819. Assuming the salaries, benefits and overhead costs for a full time equivalent (FTE) staff member might be about \$120,000 per year. The potential average cost per rural assessed property, excluding Regional District water systems, might be about \$5.26 per FTE staff added.

The Regional District currently has about 2,171 water customers. If a \$120,000 FTE staff cost is borne by existing water customers, which would be considered unfair, the cost might be about \$55.27 per customer.

Staff Recommendation

Due to potential time required, competing priorities, costs and liability concerns, staff recommends not expanding administrative advisory services provided to others at this time. The matter might be re-considered after the moratorium on the acquisition of new systems is lifted and after the new acquisition process has been well established.

A potential alternative solution is to increase grant availability for small water systems. An Infrastructure Planning Grant is administered by the Province. Typically only two grant applications are accepted from a district (Regional District and others within our district) per opportunity. Any grant applications for the region have to be submitted through the Regional District. The grant provides up to \$10,000 in funding (with \$5,000 of matching funds from the applicant). The amount of this grant might only be typically suitable for a small desktop study with a limited scope. Water systems with complex issues might only be able to focus on one potential issue or solution with the amount of grant funding available. Often an economical solution is not found and there is a need for further study. The number of grants issued and the maximum amount of the grant should be increased in order to accommodate more comprehensive studies.

Currently the ratio between effort required to apply and manage the applications and actual funds provided appear unreasonable. Current staff involvement cost in these grant applications is estimated at \$5,000 per year which is funded through annual contributions from Rural Admin (Service S101) to Service A100 (Environmental Services).

BILLABLE PROJECT MANAGEMENT AND CONTRACTED SYSTEM OPERATION FOR OTHERS

Potential Scope of Expanded Services

Billable support services to other area water and wastewater systems could include:

- 💧 Study and capital infrastructure project management
- 💧 Contract operations of other systems

Service Establishment Requirements

Establishment of the Regional District Project Management service a few years ago did not require public approval because it is a support service to other existing publically approved Regional District services. Providing project management or operations service to others could done by creation of a new service, but this might not be necessary with the financial system we already have in place. Staff do not believe creation of a new service of this type would need public approval but this would require further review. The Board may choose the option of public approval regardless. Establish of a new service could be time consuming and costly and might not be successful due the requirements for public approval.

Staffing Requirements

Any project management services might be best delivered by our existing project management group but staffing level increases and project priorities will need to be considered.

Contract operations could be delivered by our Water Operations group. Prioritization of work on Regional District services versus work for others could also be a concern but generally prioritization of work should be based on public safety. Increased demand for emergencies through seasonal impacts like increased turbidity, floods and landslides in the spring or drought in the late summer always coincide with the biggest needs in Regional District water systems and/or vacation periods. An increase in operations staffing levels and supporting equipment like trucks would be inevitable.

Potential Liability and Decision Making Authority

Provision of project management and contract operation of other utilities presents an even greater liability risk than simple advisory services. The potential risk level will need to be assessed and adequate insurance requirements and agreement clause requirements will need to be determined.

The Regional District could not only be subject to potential typical errors and omissions liability but also could be found liable for not providing an adequate level of service. As an example, the courts have ruled that Engineering consultants still have a professional liability regardless of whether or not they are paid adequately by their clients. An example could a design consultant did not providing adequate construction supervision, quality assurance and quality control on a project because the client would only pay for limited hours. In this situation, the consultant can be found at least partially liable, even to the owner, for any construction deficiencies. The expectation of other small systems might be that the Regional District might be able to deliver project management cheaper than an engineering consultant but Regional District staff would still have to provide the same level of due diligence as an engineering consultant.

Operation of water systems for others introduces a potential public safety liability or operation of a wastewater system for others creates a potential environmental liability for the Regional District. The Regional District has a duty to protect public safety and decision making authority would also be a concern. Any agreements to operate other systems would have to include clauses that permit the Regional District to override owner decisions regarding

public safety and the environment. Even though Regional District agreements might include authority for public safety or environmental decision making, recovery of costs resulting from a Regional District decision could be a concern, if the owner did not agree with a decision.

Operation of water systems under long-term Boil Water Notice and Water Quality advisors by the Regional District might introduce additional liability to the Regional District that would need to be addressed. The Board has recently adopted Drinking Water Systems Pathogen Risk Water Quality Management Policy 600-03-07 for the Regional District water systems. This policy might reduce some potential Regional District liability but does not necessary remove all liability.

Agreements would need to be drafted with the assistance of legal counsel.

Potential Costs

Project management for others and contracted system operation for others but not ownership, should be cost recoverable; however, enough potential work needs to be guaranteed before the addition of a new staff position(s) is warranted.

Work on establishment of a new service would incur costs. Some of these costs might only be recoverable if establishment of the new service is successful.

Overhead costs such as office space, vehicle and equipment might be limited by utilizing existing staff rather than creating a new work group with dedicated staff. In addition, creating a new work group with new staff creates significant financial risk for the Regional District as there has to be enough business to pay for the new services.

Competition with the Private Sector

Provision of this type of services by the Regional District would be deemed to be competitive against contract water system operators and consultants. If others are seeking the potential services of the Regional District it might be due to the expectation that the Regional District might be able to provide these services at a lower cost. This is not necessarily the case as costs would have to be fully recoverable from the potential customers. Cost calculations however would have to be transparent to the public.

Staff Recommendation

Due to significant potential liability concerns, staff is recommending that we do not provide these services to others at this time. Staff recommend that the Regional District focus on provision of quality service to our existing customers.

An option is that the Regional District only provide contracted operations and project management to those systems that have expressed an interest and are in the process of becoming a Regional District service, but this decision should be made cautiously.

PROVINCIALY SUPPORTED AND FUNDED SERVICE

This option might include generally the same scope as the **Expanded Non-Billable Administrative Support Services to Others** option but the initiative might be funded and supported by the Province. This option might also include additional support for study and capital infrastructure project management by consultants to be funded by grants.

The advantage of this option is that the Regional District would likely not have to create a new service that needs to be funded, if staff time is funded and supported by the Province. Liability to the Regional District however would still be a concern and the Province typically does not fund local government staff time through grants.

Staff recommends that this option not be investigated unless the Province first expresses an interest in this option.

SECTION 3: DETAILED ANALYSIS

3.1 Financial Considerations – Cost and Resource Allocations:

Included in Financial Plan:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Financial Plan Amendment:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Debt Bylaw Required:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Public/Gov't Approvals Required:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Staff time required to create new services would incur unrecoverable costs.

Provision of administrative advisory services to others would need to be funded from rural taxation. Provision of project management or contract operation service should ultimately be cost recoverable.

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

New service establishment bylaws would be required in accordance with Local Government Act section 338 *Establishing bylaws required for most services*, and section 339 *Required content for establishing bylaws*.

3.3 Environmental Considerations:

N/A.

3.4 Social Considerations:

Based on requests already received from other water and wastewater services there is a need for professional help or advice.

3.5 Economic Considerations:

The economic viability of some communities could be linked to the availability of safe and reliable potable water and environmentally friendly sewage treatment and disposal. New water connections in water systems under Boil Water Notice or Water Quality Advisories are not permitted by Interior Health. New development on existing water connections in water systems under Boil Water Notice or Water Quality Advisories could be challenge.

3.6 Communication Considerations:

N/A

3.7 Staffing/Departmental Workplace Considerations:

It is anticipated that staffing levels would need to increase if the Regional District decided to provide additional services to other water and wastewater systems. The ultimate staffing level would be difficult to determine but any staffing increases should be made cautiously due to potential for unrecoverable costs.

3.8 Board Strategic Plan/Priorities Considerations:

Regional District Strategic Priorities: "To excel in Governance and Service Delivery" and "To Strengthen our Relationships with our Community Partners".

SECTION 4: OPTIONS & PROS / CONS

OPTION 1: That the Water Services Committee direct to staff to take no further action regarding provision of additional staff support to other area water and wastewater systems.

PROS:

- There would be no need to further investigate how to establish and fund these services.
- Staff can continue to provide minor advisory services.
- Does not introduce more liability to the Regional District.
- Staff can focus on quality service delivery to our existing customers.

CONS:

- Other water and wastewater services have a need for support that they may not be able to find elsewhere or they may not have the knowledge and expertise to secure this support.
- Without that support individuals responsible for the water systems often do not have the tools to convince rate payers to pay for sustainable solutions to the problems in these water systems.

OPTION 2: That the Water Services Committee direct to staff to further investigate expanded non-billable administrative support services to other water and wastewater services.

PROS:

- Other water and wastewater services would be provided with needed support.

CONS:

- Staff time and expense would be required to further investigate how to establish and fund these services.
- Introduces more liability to the Regional District.
- Service costs might be higher than others water and wastewater systems expected.
- Additional task will compete with current staff workplan priorities like the moratorium review.
- Might be difficult to manage other water system's needs and customer expectations with the available financial and staff resources.

OPTION 3: That the Water Services Committee direct to staff to further investigate provision of billable project management and contracted system operation for other water and wastewater services.

PROS:

- Other water and wastewater services would be provided with needed services.

CONS:

- Staff time and expense would be required to further investigate how to establish and fund these services.
- Introduces more liability to the Regional District.
- Service costs might be higher than others expected.
- Competes with the private sector.
- Additional task will compete with current staff work plan priorities like the moratorium review.

OPTION 4: That the Water Services Committee direct to staff to further investigate what might be required to create a Provincially supported and funded service to support other water and wastewater systems.

PROS:

- If successful other water and wastewater services would be provided with needed support.

CONS:

- Staff time and expense would be required to further investigate how to establish these services.
- Staff could investigate what might be required but the Board would need to lobby the Province to support and fund this service.
- The Province has typically not provided funding for local government staff through grants.
- Introduces more liability to the Regional District.

SECTION 5: RECOMMENDATIONS

That the Water Services Committee direct to staff to take no further action regarding provision of additional staff support to other area water and wastewater systems at this time.

Respectfully submitted,

Jason McDiarmid, Utility Services Manager

CONCURRENCE

General Manager of Environmental Services – Uli Wolf

Water Operations Manager – Alexandra Divlakovski

ATTACHMENTS: None



Committee Report

Date of Report: 11, 29, 2023
Date & Type of Meeting: 12, 06, 2023, Water Services Committee
Author: Nathalie Nick, Environmental Coordinator – Utility Services
Subject: QUEENS BAY RESORT DEVELOPMENT- CAPITAL INFRASTRUCTURE CHARGES
File: 06-2230-10-2023-202
Electoral Area/Municipality Area E – Balfour Water Service

SECTION 1: EXECUTIVE SUMMARY

The purpose of this report is to seek Board direction on assessed Capital Infrastructure Charges for Queens Bay Resort (QBR) Development in Balfour (Attachment A - QBR Request to waive Phase 2 and 3 Capital Infrastructure Charges).

SECTION 2: BACKGROUND/ANALYSIS

PHASE 3 DEVELOPMENT

The forthcoming Phase 3 Development agreement for QBR will require Board approval as per Bylaw 2894, Section 8.6. The proposal includes the development of 38 sub-lots that are serviced for recreational vehicles (RVs), manufactured homes or tiny homes. Two wells were developed by QBR as part of Phase 1 and 2 of this development. These wells were required by the Regional District in order to increase Balfour Water System capacity, to allow for the development, and to provide redundancy in case of well failure. Completion of a water treatment facility and further development of the two wells will be a requirement in the Phase 3 agreement. The Phase 3 agreement will also identify that the developer is to transfer all water infrastructure assets (wells, treatment facility and land) as part of a separate asset transfer agreement.

REQUEST TO WAIVE CAPITAL INFRASTRUCTURE CHARGES

Development of RV, manufactured homes and tiny home lots within RDCK water systems are subject to Capital Infrastructure Charges (CICs) as per bylaw Bylaw 2895, Schedule A 6.2. CICs are fees levied during development that are placed into reserves as a contribution to the cost of existing water infrastructure, upgrades and long term asset renewal. The current CIC rate for Balfour is \$1,500 per serviced unit created. The QBR developer has requested that Phase 2 and 3 CICs be waived (Attachment A). This request is subject to Board approval.

Summary of QBR CIC Charges	
Phase 1	\$39,000 (paid)
Phase 2	\$48,000
Phase 3	\$57,000 + \$10,600 (Admin)
Total	\$151,600

QBR's request to have the Phase 2 and 3 CICs waived (Attachment A) is based on their following rational:

- They are providing the water infrastructure assets and utility lot to the Regional District
- That CICs are a contribution to the cost of infrastructure and QBR has incurred expenses of approximately \$1.2 million (~\$483,000 for infrastructure) in providing water infrastructure for the Regional District. This interpretation is based on this definition in the by-law:
“a (CIC is a) fee levied that is placed into reserves as a contribution to the cost of existing water infrastructure, upgrades and long term asset renewal”
- QBR feels that they have made significant capital infrastructure investments that are above and beyond what other developers have had to contribute. This is outlined in Attachment A.
- The infrastructure they constructed and paid for benefits the Balfour Water System, in that it creates redundancy, provides cheaper water and increases financial stability

It is also worth noting that:

- *Regional District of Central Kootenay Utilities Rates, Fees and Charges Bylaw No. 2895, 2023* Clause 8 (1) provides the following:
“The Regional District may waive or modify the Capital Infrastructure Charge requirements identified in this Bylaw for large Developments, if addressed by separate agreement with the Developer and the Regional District, in accordance with Section 937.1 of the Local Government Act.” This clause was added to accommodate larger developments where the developer might be required to provide some infrastructure that benefits the water service in lieu of CICs fees.
- The Developer will be required to pay a \$10,600 Development or Redevelopment Administrative Cost Recovery Charge in accordance with Section 4.4 of Schedule A Bylaw No. 2895 General Rates, Fees, And Charges, 2023.
- Revenue from metered billing to date has been low for Phases 1 and 2 due to low water demand to date
- QBR Capital Reserve Fund Contributions (CRFC), another source annual billing revenue, will amount to at least \$16,800 per year (\$175 each at 2023 rates for 96 units) for Phases 1,2 and 3, once fully developed. It is anticipated that the CRFC rate would be increased at the same rate as Balfour water parcel taxes.
- QBR has already signed the Phase 1 and 2 development agreement in which they agreed to pay Phase 1 and 2 CIC fees.
- The Phase 2 CIC payment deadline is December 31, 2023, if payment is not received by this date the invoice will be transferred to taxes. Funds, if received, will be held until a decision has been made on CIC fees by the Board
- The Regional District took on risk by providing a permanent water supply from the Balfour water system to the Development without knowing the Developer’s wells would be successful. Water access from the Balfour water system was also provided in accordance with their development timelines and was required before new well approval.
- QBR would not have been able to develop without the additional water supply infrastructure as Balfour water system capacity was a concern.
- The Regional District has to further develop one of the two wells due to start up turbidity concerns and water treatment facility capacity. Staff are recommending the RDCK pay the cost difference to upsize well and treatment capacity. The approximate cost for this will be \$125,000.

RDCK staff do not recommend the reversal of the Phase 2 CIC fees invoiced under the Phase 1 and 2 agreement as that agreement has already been executed. RDCK staff recommend that the CIC fees associated with Phase 3 be reduced by 50%, for a total of \$28,500.

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

Approval of the Phase 3 development will increase Capital Reserve Fund Contributions and User Fee revenue in the Balfour Water System.

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

- Local Government Act, Section 937.1 Development works agreements with private developers.
- Regional District of Central Kootenay Utilities Rates, Fees and Charges Bylaw No. 2895, 2023 Clause 8 (1) regarding modification of Capital Infrastructure Charges by agreement.
- Regional District of Central Kootenay Utilities Rates, Fees and Charges Bylaw No. 2895, 2023, Schedule A 6.2 regarding CIC fee rates.

3.3 Environmental Considerations

The well water source established through the new development requires significantly less treatment than the lake water source (Chlorination only) and therefore reduces power and filter consumption.

3.4 Social Considerations:

Approval of the Phase 3 development will provide much needed, affordable housing options.

3.5 Economic Considerations:

Developments provide many economic opportunities for communities.

3.6 Communication Considerations:

None

3.7 Staffing/Departmental Workplace Considerations:

Utilities staff will spend time executing, managing and finalizing the requirements of Phase 3 development. However, these costs are billed out to the Balfour Water System and will also be recovered through an Admin Fee as the Bylaw 2895 Schedule A, 4.4, b.

3.8 Board Strategic Plan/Priorities Considerations:

Water Protection & Advocacy and Coordinated Service Delivery

SECTION 4: OPTIONS & PROS / CONS

CIC Fees Option 1: That the Board direct staff to reduce the Phase 3 CIC charge by 50% and include this charge, \$28,500, in the Queens Bay Resort Phase 3 development agreement.

PROS:

- Provided a compromise between staff recommendation and Queens Bay Resort request.

CONS:

- Does not maximize revenue for the Balfour Water Service.
- May not fully take into account potential benefits to the Balfour water service provided by new developer provided infrastructure.

CIC Fees Option 2: That the Board direct staff to include \$57,000 in CIC charges in the Queens Bay Resort Phase 3 development agreement.

PROS:

- Maximizes revenue for the Balfour Water Service.

CONS:

- Does not take into account potential benefits to the Balfour water service provided by new developer provided infrastructure.

CIC Fees Option 3: That the Board direct staff to waive all CIC charges for the Queens Bay Resort Phase 3 development agreement and to include text that would waive \$48,000 CIC fees identified for Phase 2 in the previously executed Phase 1 and 2 agreement.

PROS:

- Benefits the developer.

CONS:

- Phase 2 CIC fees have already been agreed to by the developer and RDCK and would require an amendment of the agreement
- Anticipated revenue from Phase 2 CIC fees have already been committed to funding other capital upgrades and additional service area loans might be required to cover this lost revenue.

SECTION 5: RECOMMENDATIONS

That the Board direct staff to include \$28,500 (50% of full charge) in CIC charges for the Queens Bay Resort Phase 3 development agreement.

AND FURTHER, that RDCK costs associated with the agreement be paid from Service No. S255 Water Utility-Area E (Balfour).

Respectfully submitted,

Nathalie Nick – Environmental Coordinator, Utilities

CONCURRENCE

General Manager of Environmental Services – Uli Wolf
Utility Services Manager – Jason McDiarmid

ATTACHMENTS

Attachment A: QBR Request to Waive Phase 1 and 2 Capital Infrastructure Charges



October 27, 2023

To the Water Services Committee.

Re: Request to waive phase 2 and phase 3 capital infrastructure charges for the Queens Bay Resorts.

Queens Bay Resorts (QBR) is a shared interest in land recreational resort comprising of 96 sites. Each owner purchases a share in the company which entitles them to exclusive use of a defined site or portion of the land. This site is subject to architectural controls that allow for uses like RV placement or a 1 or up to a 2-bedroom cabin. The company provides connections to electrical, internet, community septic, water and road. The water for phase 1 and 2 is provided to the property via the Balfour Water System.

QBR has invested significant funds in providing the infrastructure for the project. The investment in the water system alone in total will exceed \$1.2M. This number includes right of way acquisition for the water line extension, water line extensions and internal infrastructure and pipelines to service the sites. Within the total cost are expenses attributed to providing infrastructure that will also benefit the Balfour Water System (BWS) as a whole. The additional sources of water for the Balfour Water System will provide a robust redundancy and additional servicing options for the Balfour Community. The additional wells, testing and Hydrologists fee are expenses that directly benefit the BWS. Had QBR gone alone on a water system the additional wells and associated expenses would not have been incurred.

QBR believes we have made significant capital infrastructure investments, and these expenses should be taken into account when assessing additional CIC charges.

A nearby subdivision was recently connected to the BWS. Like QBR they were required to extend the waterlines to their property but unlike QBR they were able to connect and only pay a CIC on average for their 27 lots the sum of \$2667/per lot.

QBR is looking for some consideration toward the CIC's that make it more equitable with surrounding developments.

The additional costs borne by QBR for infrastructure benefiting the water system as whole are shown in the table below.

QUEENS BAY RESORT CONTRIBUTION TO RDCK WATER SYSTEM			
	ALREADY SPENT Sep-24	YET TO SPEND	TOTAL
UTILITY LOT TO BE GIVEN TO RDCK	\$75,000	\$0	\$75,000
WATER			
Well 1 Drilling	\$22,000	\$0	\$22,000
Well 1 Testing and permitting	\$30,000	\$0	\$30,000
Well 2 First attempt	\$28,000	\$0	\$28,000
Well 2 Testing	\$12,000	\$0	\$12,000
Well 2 Second attempt	\$34,572	\$0	\$34,572
Well 2 Re Testing	\$20,000		\$20,000
Hydrologist fees	\$25,000	\$0	\$25,000
Engineering and consulting fees	\$25,000		\$25,000
Pump house building	\$12,000		\$12,000
WATER TREATMENT BUILDING		\$50,000	\$50,000
Water Chlorination Chamber and fittings	\$45,000		\$45,000
Water filtration and treatment plant	\$65,000	\$40,000	\$105,000
TOTAL ASSETS VALUE TO BE TRANSFERRED TO RDCK	\$ 393,572	\$ 90,000	\$ 483,572

As you can see this creates an average cost per site of slightly more than \$5000. When the CIC charge of \$1500 per site is added that brings the total contribution to infrastructure (not including external and internal pipelines) to about \$6500 per site.

As mentioned previously QBR is looking for relief from strict compliance with the Capital Infrastructure Charges. We believe the infrastructure being provided by QBR for the benefit of the Balfour Water System is significant and robust and it would only be fair to consider this contribution in lieu of the CIC.

At this time, we recognize that the phase 1 funds have been allocated and spent but for the remaining monies QBR is requesting that the Phase 2 and Phase 3 CIC be waived.

Thank you



Mauricio Borda

Queens Bay Resort

A project by:





Water Systems

2018-2022 Water Consumption Report

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Chapter 1 Background

The Regional District owns 18 water services. The Erickson water service is significantly the largest. Arrow Creek consists of a treatment plant and transmission main and supplies Erickson and the separate Town of Creston.

McDonald Creek is owned the Regional District but operated under agreement by the Village of Kaslo. McDonald Creek and Sanca water systems are not included in this report as no consumption data is available.

The water consumption information in this report supports the Regional District Drinking Water Conservation Plan including:

- Establishment water reduction targets
- Adoption of a water metering implementation strategy
- Establishment of a water loss control & leak reduction program
- Drought management & water shortage contingency planning

This report documents water consumption and trends for the reporting period of 2018 to 2022.

Chapter 2 : Water System Comparison

2.1 Annual Water System Consumption

Regional District water services vary in size from 6 to 683 connections, resulting in a large variation of annual consumption.

Overall, there was a decrease in water consumption in most RDCK water systems between 2018 and 2022. Fourteen (14) of eighteen (18) systems saw an overall decrease in consumption over the reporting period. Consumption increased for all systems in 2021 due to the extreme temperatures of the BC Heat Dome and low precipitation that year. Section 3 of this report discusses the four (4) systems where consumption increased.

Table 2-1 provides a summary of Regional District and the separate Town of Creston annual water systems consumption from largest to smallest. Data is not available for McDonald Creek and Sanca.

Table 2-1 Total Consumption All Water Systems

Water System	No of Active Connections	2018 Annual Consumption (m3)	2019 Annual Consumption (m3)	2020 Annual Consumption (m3)	2021 Annual Consumption (m3)	2022 Annual Consumption (m3)
Arrow Creek		3,029,424	2,867,634	2,784,728	2,928,342	2,852,008
Town of Creston		1,579,144	1,504,383	1,544,230	1,509,794	1,567,173
Erickson	653	1,450,280	1,363,251	1,240,498	1,418,548	1,284,835
Duhamel Creek	93	189,064	251,863	163,242	95,424	91,063
Lister	196	266,178	241,111	229,660	237,409	204,817
Balfour	265	185,399	145,632	119,760	124,976	109,461
Fauquier	93	133,342	119,715	124,929	118,904	114,290
Riondel	214	144,322	114,078	111,724	119,880	108,636
Edgewood	91	68,969	82,068	107,445	104,977	112,053
West Robson	114	80,450	59,876	64,382	71,655	67,527

Water System	No of Active Connections	2018 Annual Consumption (m3)	2019 Annual Consumption (m3)	2020 Annual Consumption (m3)	2021 Annual Consumption (m3)	2022 Annual Consumption (m3)
South Slocan	50	37,741	40,130	35,709	34,580	24,792
Burton	54	37,107	32,106	49,145	54,432	67,564
Ymir	108	33,390	32,012	35,471	42,582	25,455
Woodlands	21	13,381	10,849	8,392	8,567	8,173
Grandview	68	7,427	7,743	13,427	11,936	14,414
Woodbury	41	10,596	6,032	6,670	10,254	10,982
Rosebery	20	3,925	2,627	6,656	8,780	8,218
Lucas Road	6	2,951	1,678	2,158	2,194	1,419

Figure 2-1 provides a summary of Regional District annual water systems and Town of Creston consumption from largest to smallest.

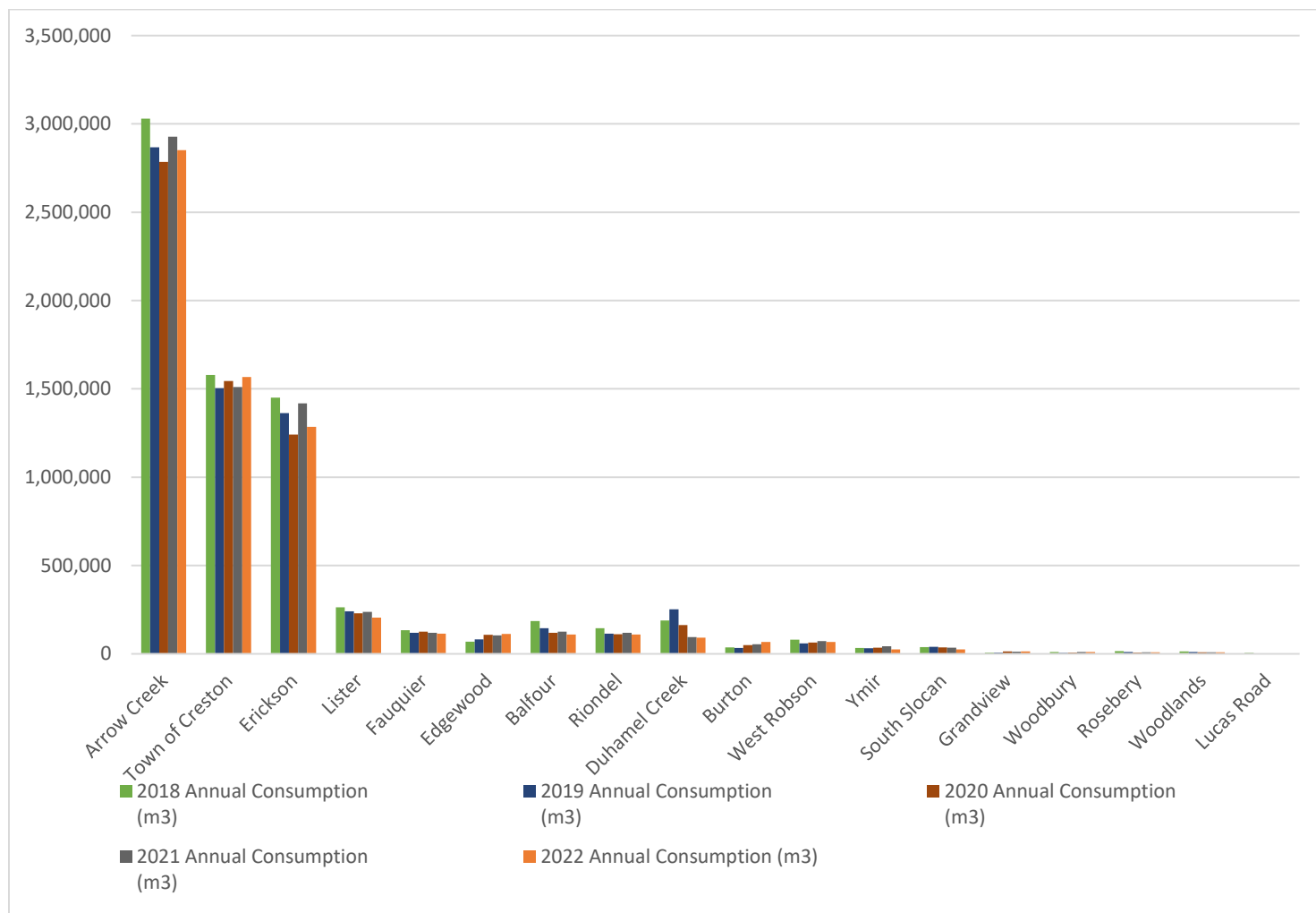


Figure 2-1 Annual Consumption All Systems

Figure 2-2 provides the annual water consumption for Regional District water systems with less than 50,000 cubic meters per year.

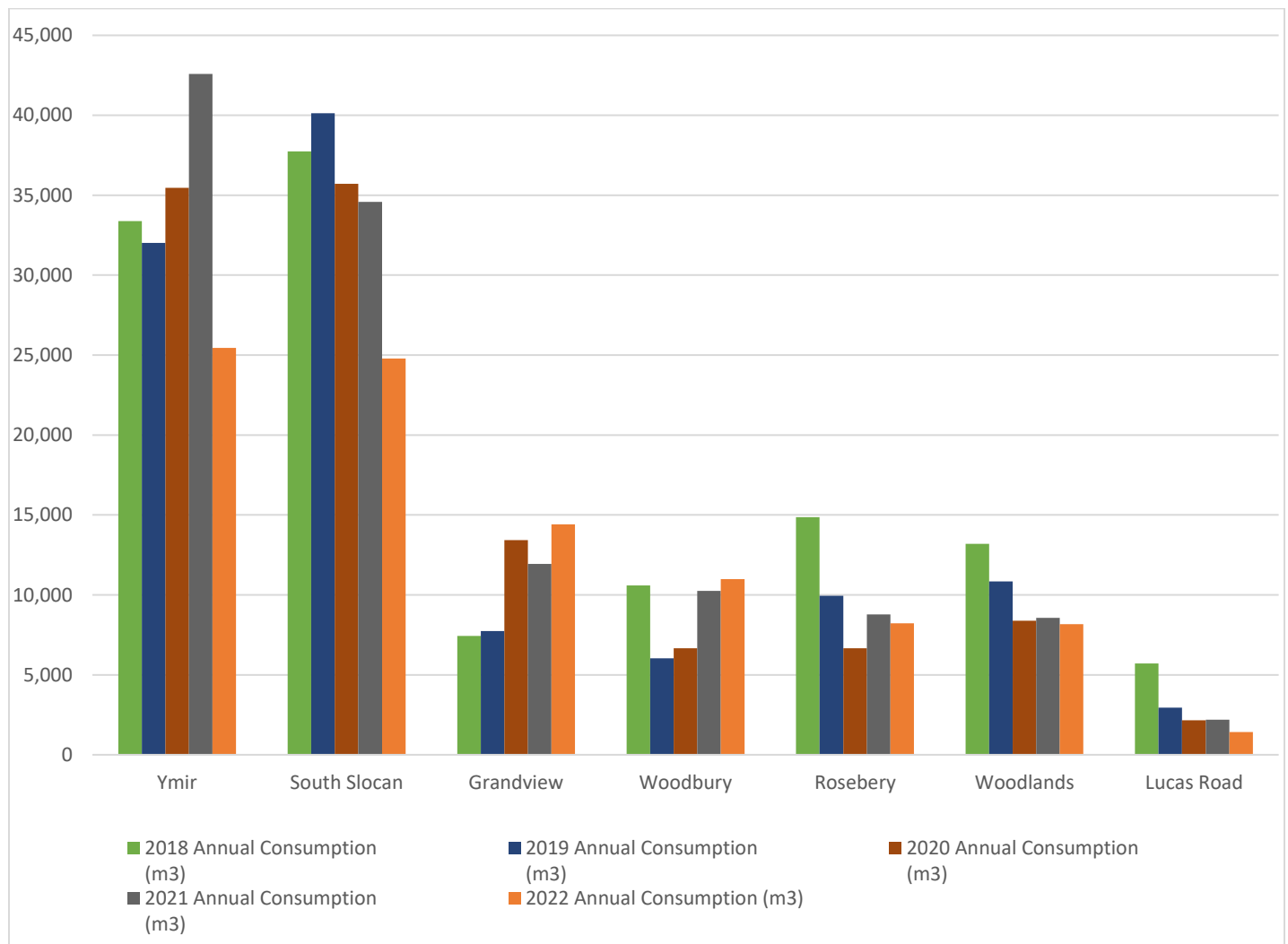


Figure 2-2 Annual Consumption Systems less than 50,00m3

Figure 2-3 provides the annual water consumption for Regional District water systems with consumption between 50,000 and 300,000 cubic meters per year.

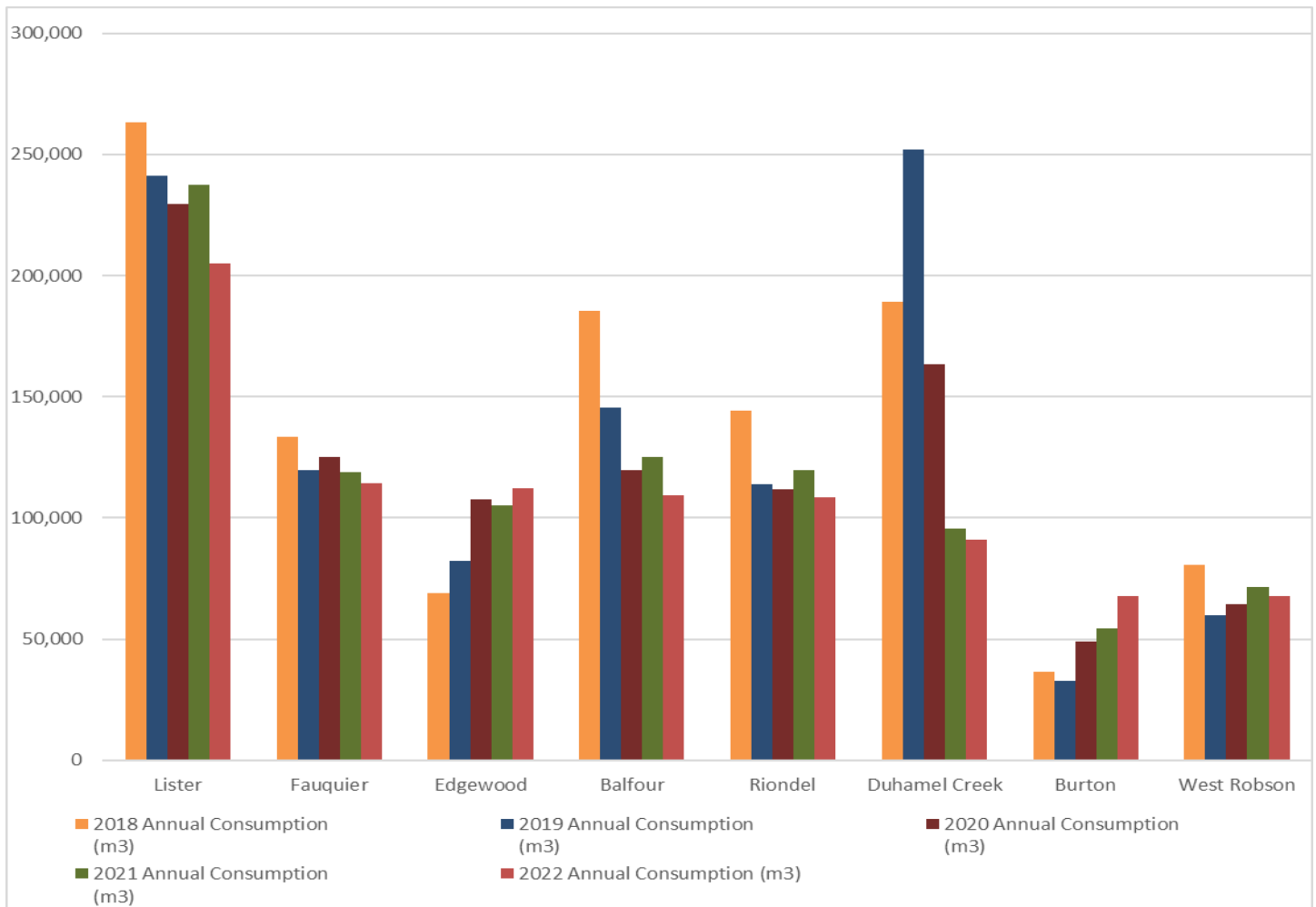


Figure 2-3 Annual Consumption Systems 50,000 to 300,000 m3

2.2 Temperature and Total Precipitation

Figures 2-4 provides the monthly average minimum and maximum temperatures; and total precipitation for Environment Canada's weather stations in Creston and Nelson BC. General trends in weather include record high temperatures in the year 2021 and low precipitation during the years 2021 and 2022. The temperature graph for the Nelson area is very similar.

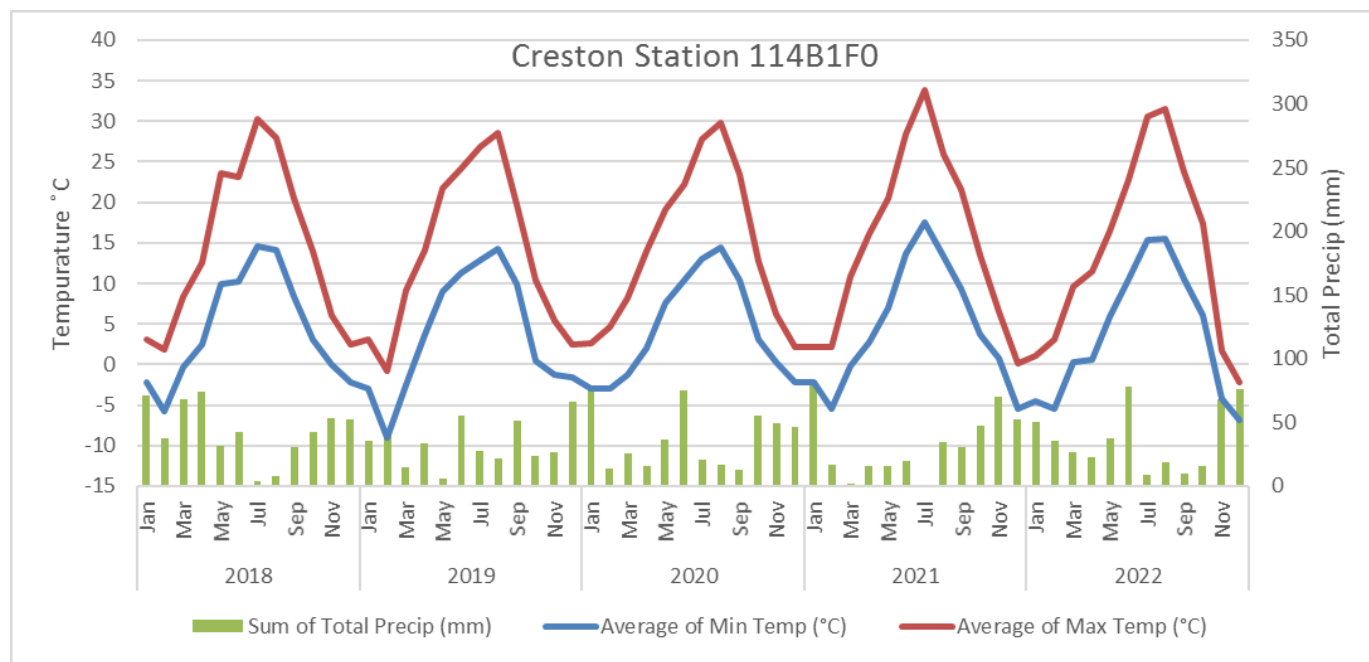


Figure 2-4 Precipitation and Temperature Creston

2.3 Annual Per-Connection Water System Consumption

Per-capita per day water consumption is typically used to review water consumption. The Canadian average is about 330 Liters per Capita per day. This is generally not considered representative for Regional District water services as rural properties are typically large. In addition, population data is not available for Regional District water service areas to make a comparison. The estimated population below is simply based on 2.2 persons per water account which is the Canadian Census data for the average number of residents per household. Given this, an average per connection consumption would be 726 L/Day. Table 2-2 provides a summary of annual per connection water system consumption from lowest to highest.

Table 2-2 Average Day Demand

Water System	No of Active Connections	2022 ADD (m3)	2022 ADD Consumption per Connection per Day (L)
Grandview	68	39	581
Ymir	108	69	637
Lucas Road	6	4	648
Woodbury	41	30	732
Rosebery	20	23	1126
Balfour	265	300	1132
Riondel	214	298	1391

Water System	No of Active Connections	2022 ADD (m3)	2022 ADD Consumption per Connection per Day (L)
Woodlands	21	30	1415
West Robson	114	192	1684
South Slokan	50	110	2199
Duhamel Creek	93	249	2683
Lister	196	561	2863
Edgewood	92	307	3337
Fauquier	93	313	3367
Burton	54	185	3428
Erickson	653	3520	5391

Water systems with high per connection consumption could have a high amount of leakage or high outdoor water usage. Erickson has a large agricultural water demand, and Fauquier and Riondel have golf course irrigation.

2.4 Average Day Demand and Maximum Day Demand

Average day demand (ADD) represents annual average daily demand and is determined by establishing total annual water consumption for the given year and dividing it by the number of days in that year.

Maximum day demand (MDD) represents the maximum single day water consumption for the data available. Short-term spikes in data were ignored as these were likely attributed to large short term water breaks, or maintenance events such as flushing or reservoir filling. 2022 MDD in Table 2-3 represents the highest consumption day for 2022.

Table 2-3 Average Day Demand and Maximum Day Demand

Water System	No. of Water Connections	2022 ADD (m3)	2022 MDD (m3)	Peaking Factor MDD/ADD
Arrow Creek		7,814	23,900	3.1
Balfour	265	300	825	2.8
Burton	54	185	233	1.3
Duhamel Creek	93	249	661	2.6
Edgewood	92	307	567	1.8
Erickson	653	3520	16,000	4.5
Fauquier	93	313	997	3.2
Grandview	68	39	92	2.3
Lister	196	561	1,507	2.7
Lucas Road	6	4	Not available	Not available
Riondel	214	298	886	3.0
Rosebery	20	23	81	3.6
South Slokan	50	68	144	2.1
West Robson	114	185	583	3.2
Woodbury	41	30	98	3.3
Woodlands	21	22	125	5.6
Ymir	108	70	146	2.1

Figure 2-6 provides the ADD & MDD for water systems with an MDD of 200 to 1,600 cubic meters.

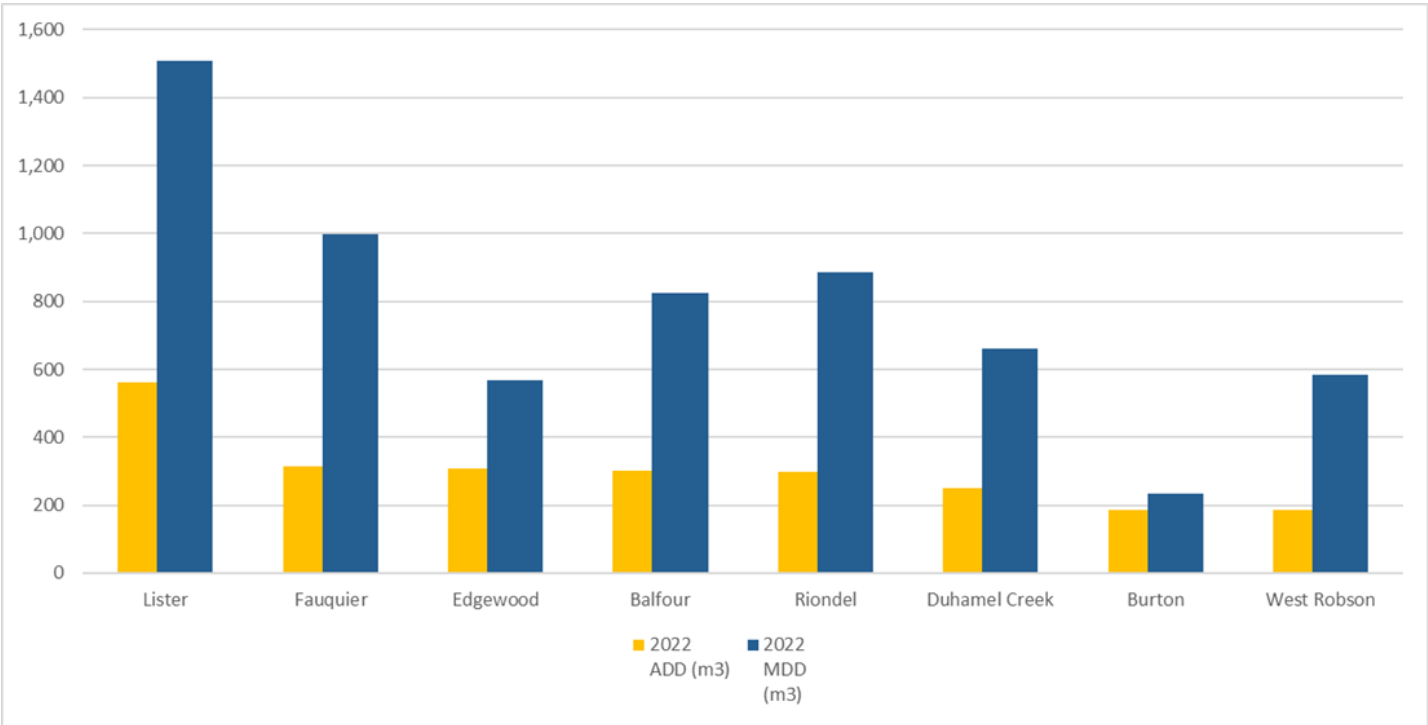


Figure 2-5 ADD and MDD for Systems with MDD 200 - 1600 m3

Figure 2-7 provides the ADD & MDD for water systems with an MDD of 200 to 1,600 cubic meters.

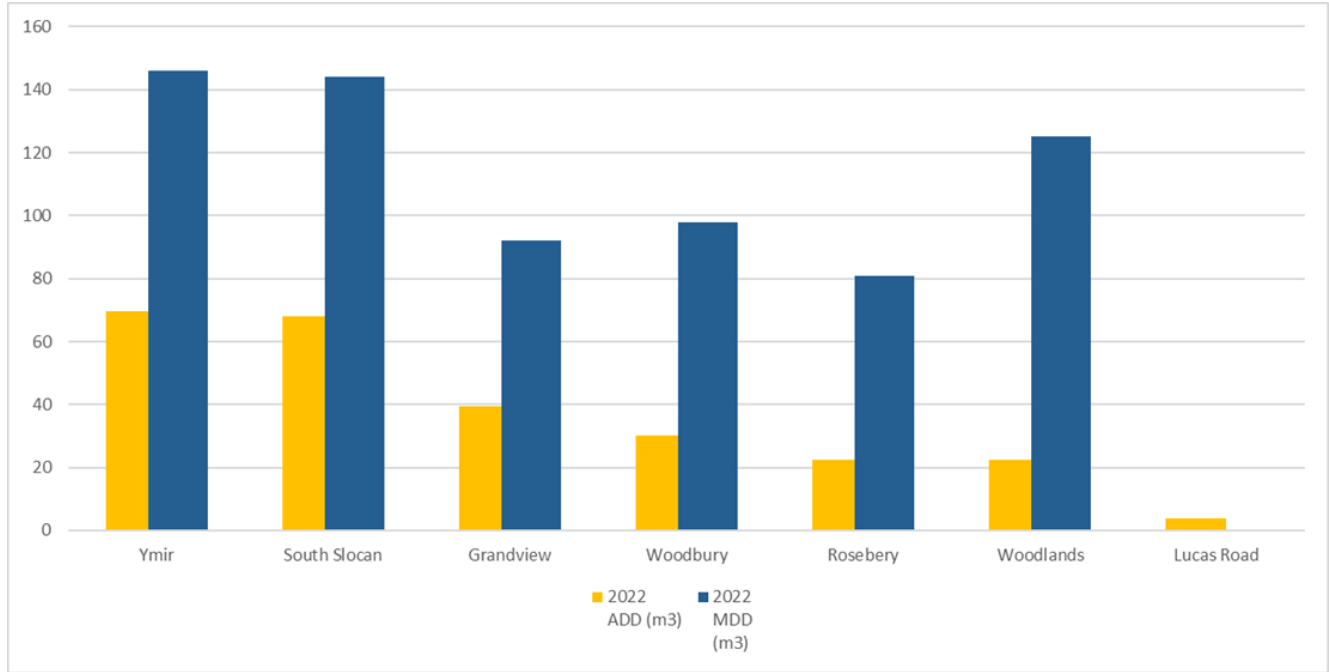


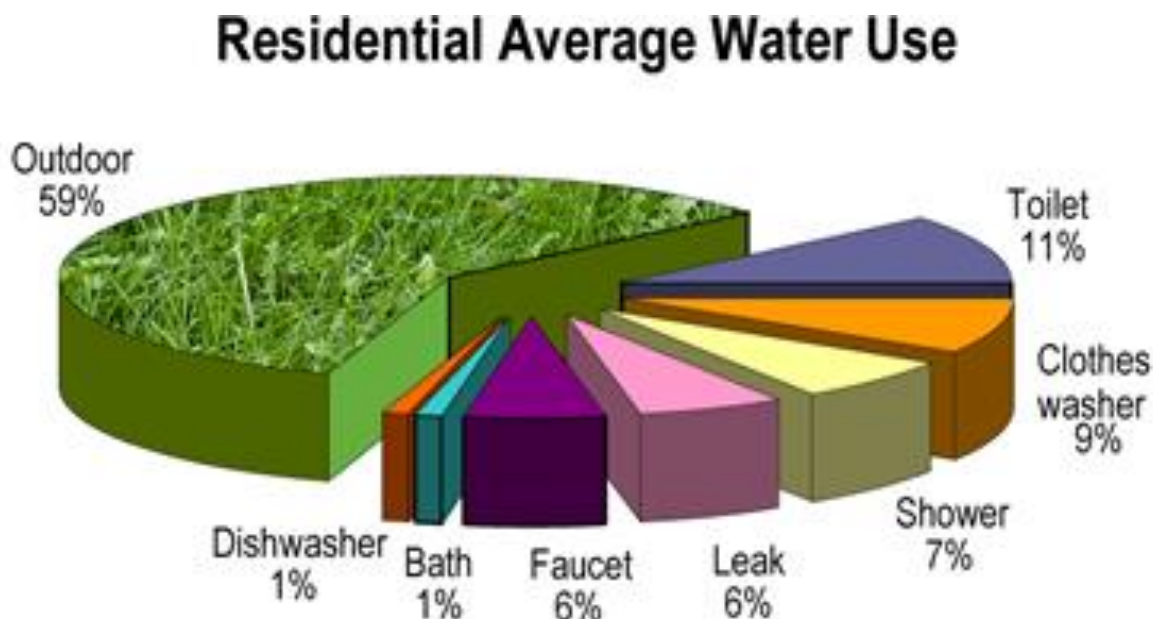
Figure 2-6 ADD and MDD for Systems with an MDD of less than 200 m3

2.5 Summer Demand vs Winter Demand

Reviewing summer demand vs winter demand can provide an indication of outdoor water use or potential leakage. Winter consumption can be used to typically represent indoor water consumption. Summer consumption represents both indoor and outdoor water consumption.

Indoor domestic water use habits can be considered consistent throughout North America. Differences in indoor water consumption between water systems would be primarily attributed to the age of water fixtures. Old shower heads and toilets in particular use much more water than modern fixtures; therefore, older water systems could be expected to have higher indoor water consumption.

Figure 2-8 provides the typical residential end usages percentages from the AWWA Research Foundation 1999 End Uses of Water Study.



Source: American Water Works Association Research Foundation, End Uses of Water

Figure 2-7 Typical Residential End Use for Water

Winter water consumption can be reviewed to represent indoor water usage and potential system leakage. The lowest and highest water demand months do vary by water system and by year. In addition, many Regional District water system have significant differences in seasonal occupation. For consistency, December 2022 and August 2022 consumption were chosen for comparison in Table 2-5.

Table 2-4. December vs August Consumption

Water System	No of Active Connections	August 2022 Consumption (m3)	December 2022 Consumption (m3)	August 2022 Consumption per Connection (L/day)	December 2022 Consumption per Connection (L/day)	Peaking Factor (Aug 2022 / Dec 2022)
Arrow Creek		556,503	119,746			
Erickson	653	323,178	30,743	15,965	1,519	10.5
Lister	196	41,797	8,121	6,879	1,337	5.1
West Robson	114	22,068	6,097	6,244	1,725	3.6
Fauquier	93	20,091	4,424	6,969	1,535	4.5
Duhamel Creek	93	19,172	4,913	6,650	1,704	3.9
Riondel	214	19,065	10,220	2,874	1,541	1.9
Balfour	265	17,863	6,820	2,174	830	2.6
Edgewood	92	13,054	7,397	4,577	2,594	1.8

Water System	No of Active Connections	August 2022 Consumption (m3)	December 2022 Consumption (m3)	August 2022 Consumption per Connection (L/day)	December 2022 Consumption per Connection (L/day)	Peaking Factor (Aug 2022 / Dec 2022)
Burton	54	11,048	4,133	6,600	2,469	2.7
South Slocan	50	6,015	3,093	1,120	1,995	1.9
Ymir	108	4,348	1,971	1,299	589	2.2
Woodbury	41	3,050	292	2,400	230	10.4
Grandview	68	2360	827	1,120	392	2.9
Rosebery	20	2165.8	161.8	3,493	261	13.4
Woodlands	21	1,987	227	3,053	348	8.8
Lucas Road	6	202	81	1,086	435	2.5

Figure 2.9 provides the December 2022 and August 2022 per connection per day water consumption for the Regional District water systems from highest to lowest summer use.

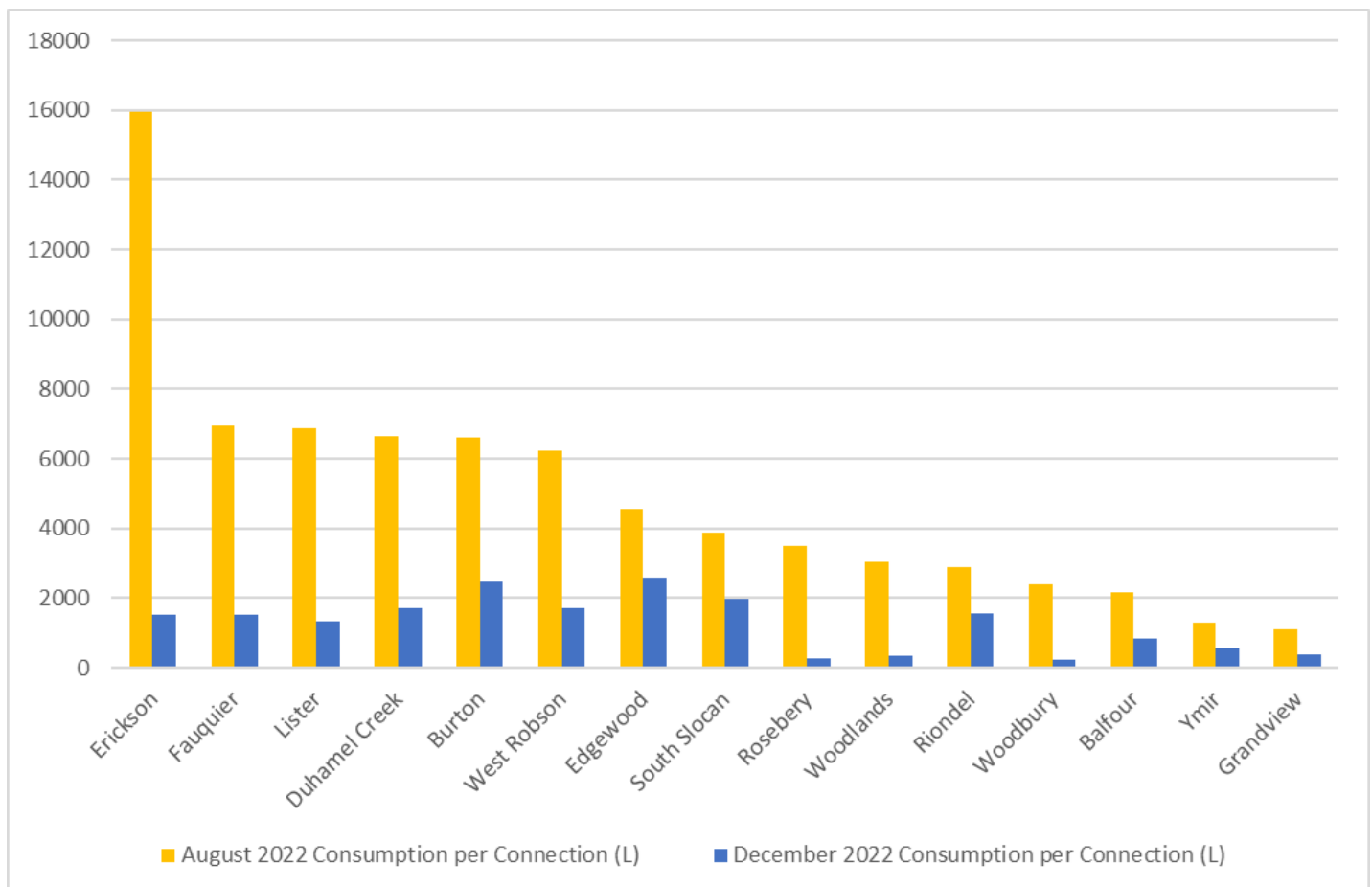


Figure 2-8. Summer vs Winter Demand in L/day

2.6 Water System Emergency Capacity vs Maximum Day Demand

Water systems' pumping and treatment capacity are typically designed to meet maximum day demand (MDD). MDD represents the maximum water consumption for a single day of the year. MDD in the following data represents the highest consumption day for which data was available. Future MDD, not presented, is usually used when designing new systems or upgrade existing systems.

Pumping and treatment systems should be provided with redundant major components in the event that one of the components fails, such as pumps, filters, and disinfection systems. Emergency capacity includes operation of backup systems to increase capacity.

Figure 2-9 provides a comparison of water system capacity vs MDD. Systems with a MDD that is higher than emergency or rated capacity have a capacity concern.

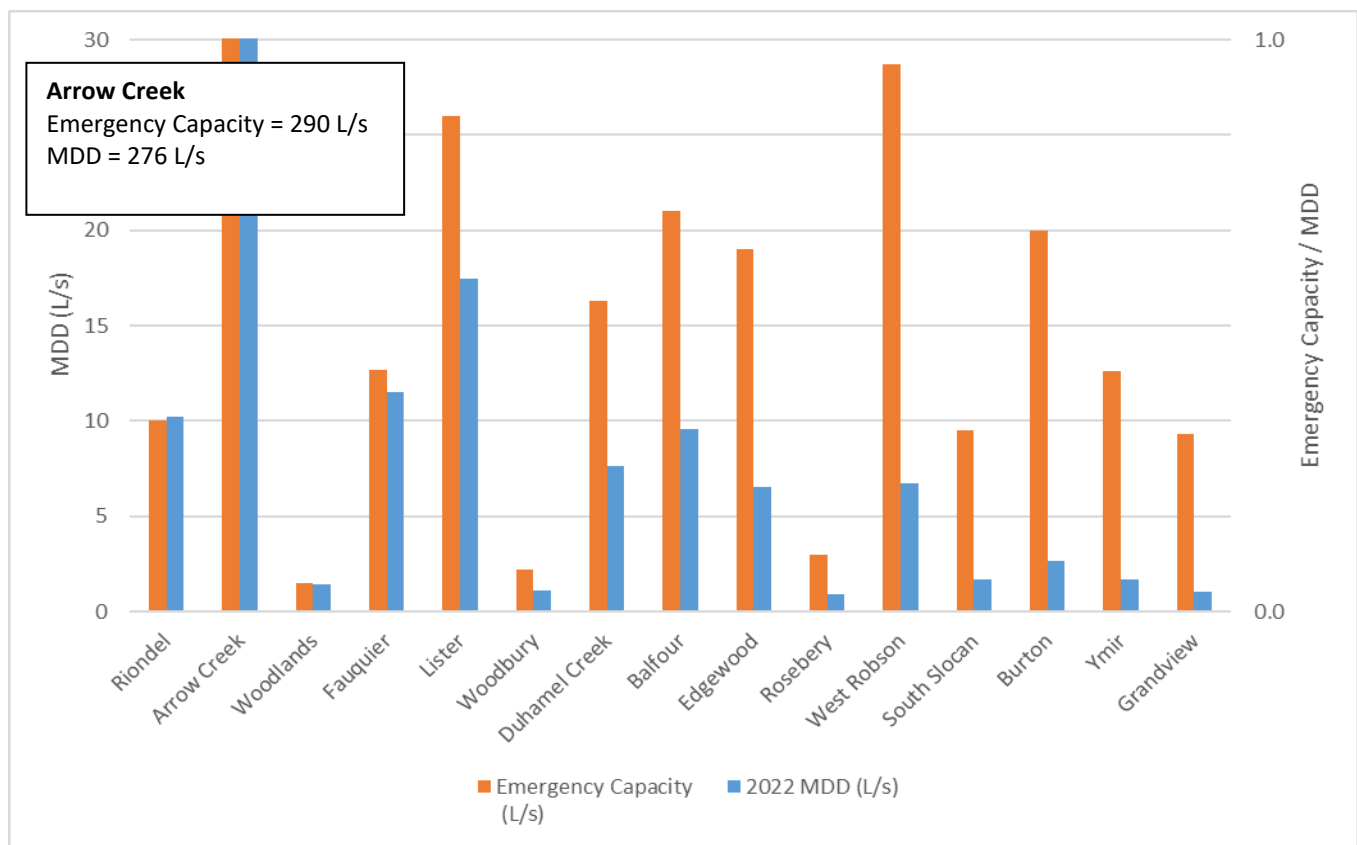


Figure 2-9 MDD and Emergency Capacity L/s

Chapter 3 Systems of Concern

3.1 Maximum Day Demand and Emergency Capacity

Section 2.6 of this report discussed emergency capacity. Emergency capacity includes operation of backup systems to increase capacity. Systems with a Maximum Day Demand (MDD) that is higher than emergency or rated capacity have a capacity concern.

3.1.1 Arrow Creek

MDD is only slightly lower than emergency capacity. MDD has decreased since 2018 but it is still a concern because the Arrow Creek water system provides the water to both the Erickson distribution system and the Town of Creston.

The use of Arrow Creek as source water is dependent upon nine (9) water licenses, five (5) of which are held by the Erickson distribution system and four (4) held by the Town of Creston (see Figure 3-1).

The Arrow treatment plant capacity is assumed to be about 290 L/s taking into account filter backwash. This capacity is with all four filter trains in operation, leaving no maintenance or emergency redundant train.

The year 2021 was the highest consumption year for the reporting period. License diversion limits were not exceeded (see Figure 3-1). This was an improvement from the last reporting period when diversion limits were almost exceeded in the year 2017.

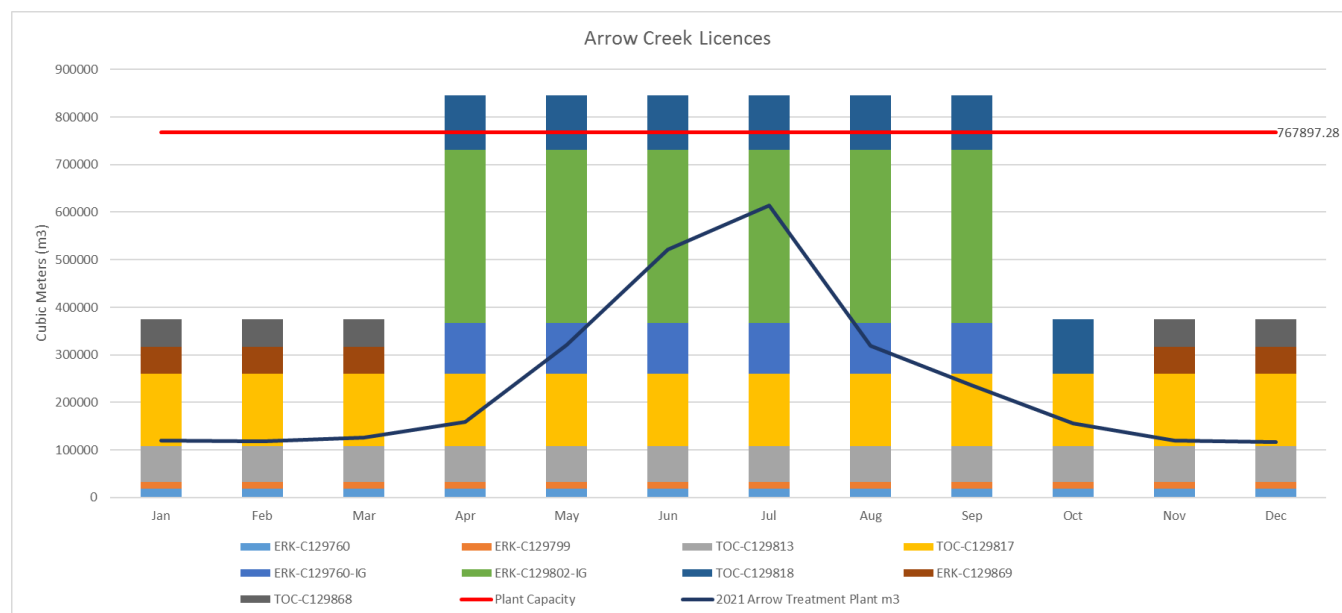


Figure 3-1 Arrow Water Licenses, Peak Demand

In recent years, the Town of Creston brings their back up wells online when the Arrow Treatment plant nears capacity. This ensures that the membrane filters in the plant are not overused, which shortens their useful life. Extending the life of filter membranes is important due to their high cost.

The period from mid-July to mid-September each year is the biggest concern for maintenance of stream base flows below the Arrow water treatment plant intake diversion. Maintenance of stream base flows are required for the health of fish and other aquatic species.

Figure 3-3 provides annual Arrow Creek stream flows from Environment Canada’s Weather Office website for monitoring station 08NH084, located immediately upstream of the Arrow water treatment plant intake diversion. Arrow Creek has experienced both record high and record low stream flows in recent years for the 1945 to 2018 data set. 2023 stream flow data was not available at the time of this report. The high fluctuation in stream flows is indicative of the vulnerability of Arrow Creek as a reliable source of water.



Figure 3-2 Membrane Filter at Arrow Water Treatment Plant

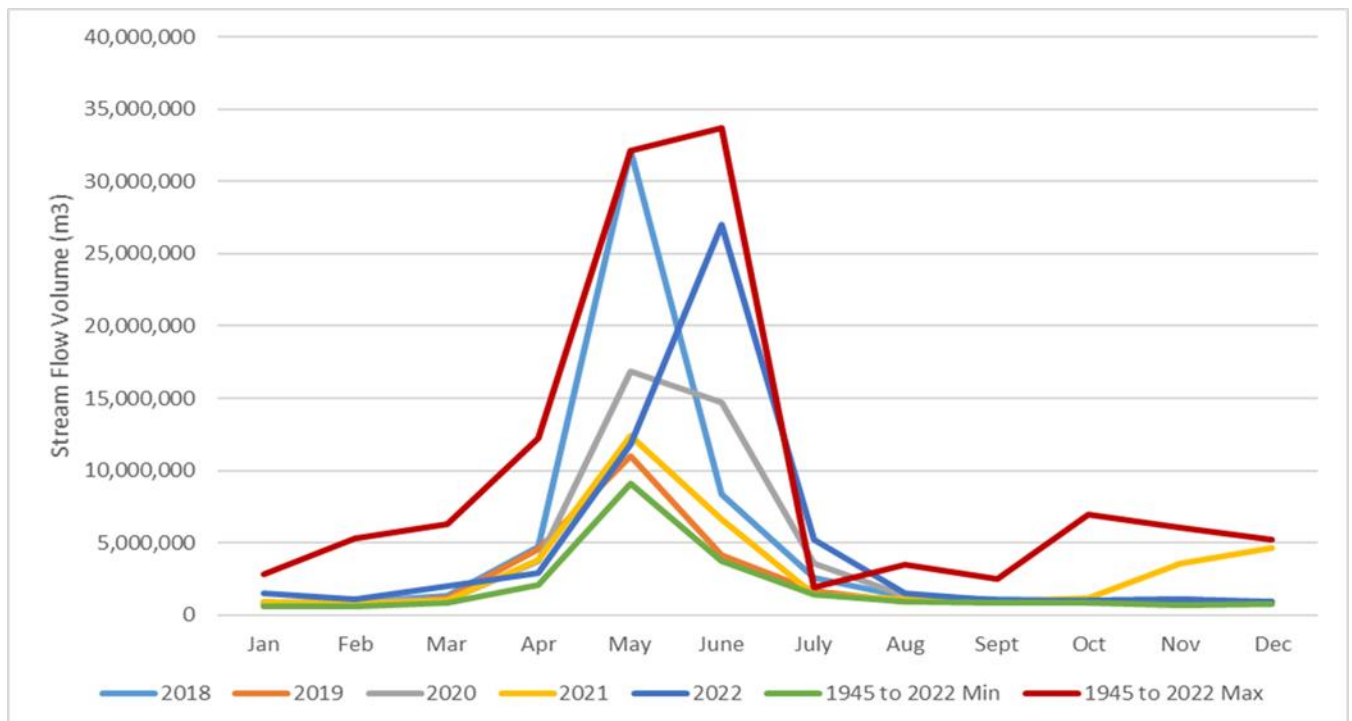


Figure 3-3 Arrow Creek Stream Flows



Figure 3-4 Fish Ladder at Arrow Creek

Any point of diversion can affect the licensed amount of water used. There are two such points of diversion shown in Figures 3-4 and 3-5.

More water is diverted at the Arrow intake than is represented in the consumption data. Some water is returned from one of the diversion structures to Arrow Creek immediately below the fish ladder. Water is also returned to Arrow Creek at the end of the Arrow settlement ponds. More water is diverted through the settlement ponds than is required for the treatment plant to ensure that the settlement ponds do not drain when the plant is operating.

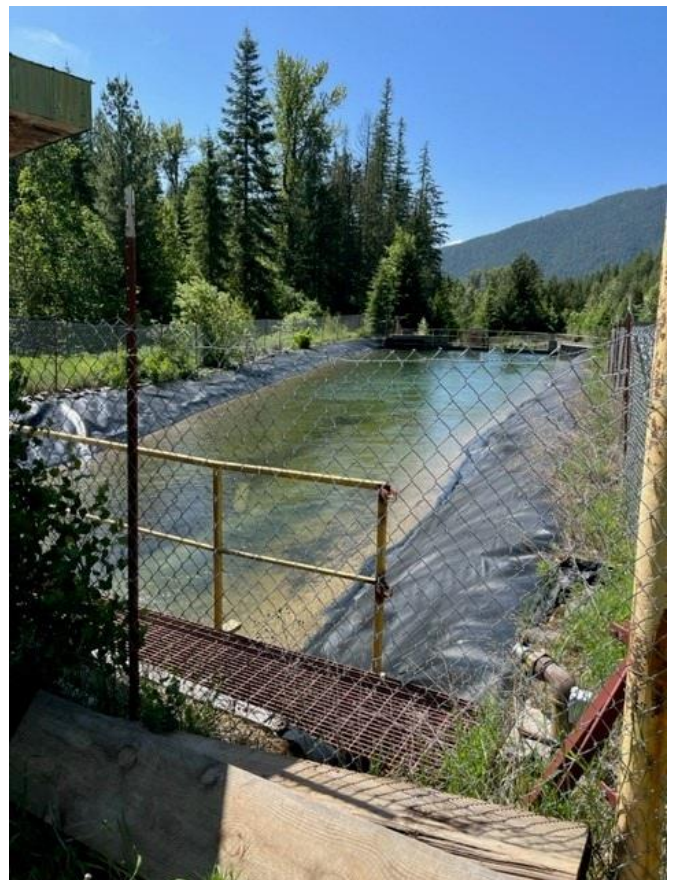


Figure 3-5 Settling Pond Arrow Water Treatment Plant

3.1.2 Riondel

MDD is higher than and emergency capacity. This means that water storage provides the balance of water during times of drought. Riondel's per connection consumption is relatively low compared to other RDCK water systems at 1391 L/day, but still higher than the Canadian average. The golf course at Riondel consumes approximately 17,000 m³/year, which is about 14% of the total consumption. This makes a significant contribution to the per connection consumption in this system.



Figure 3-6. Riondel Reservoir

3.2 High Winter Water Demand, Seasonal Peaks and Increasing Water Use

High winter demand can indicate system leakage. High seasonal peaks can define patterns in water use, whether it is due to agriculture, lawn watering, car washing, driveway washing, swimming pools or seasonal occupation of property to name a few. It is therefore important to look at patterns of winter vs. summer consumption to determine what is happening with the infrastructure, and within the community that could affect water use.

This section highlights noteworthy trends in some water systems.

3.2.1 Duhamel Creek

This water system was seeing high water consumption in the winter months, until a major leak was repaired in 2020. The result was a significant decrease in winter water consumption. 2022 per-connection consumption in Duhamel is 2683 L/Day which is very high compared to the Canadian average. Summer water use is very high. There are no golf courses and very little agriculture in this water system, suggesting that water is used for lawns and gardens.

The Duhamel water system is not metered.

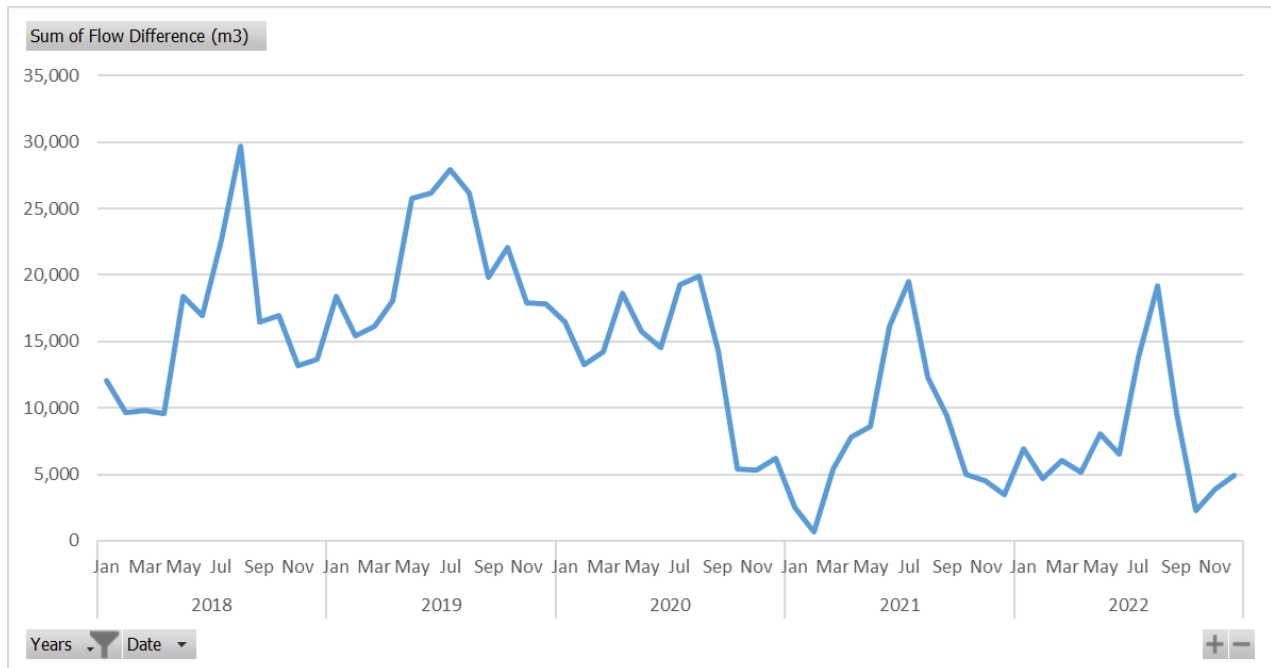


Figure 3-7 Duhamel Monthly Consumption m3

3.2.2 Burton

This water system has seen increases in consumption since 2018. It is possible that there are more year round residents living in Burton since the COVID-19 pandemic, though the number of service connections has remained constant. The Burton school re-opened in 2020 which could also account for an increase in overall water use. The school irrigation had been off between 2010 and 2020. In a 2020 a school field renovation was complete and the irrigation system turned back on.

Per-connection consumption in Burton is very high at 3428 L/day, second only to the Erickson water system. Burton also has high season peaks suggesting that outdoor water use is high in the summer months. There is an orchard with a cidery and a campground in Burton. These two uses contribute to the high per-connection consumption.

There is an anomaly in the data during the winter months of the year 2020, which may skew the consumption results for Burton to some degree. The cause of the early 2020 spike is unknown.

The Burton water system is not metered.

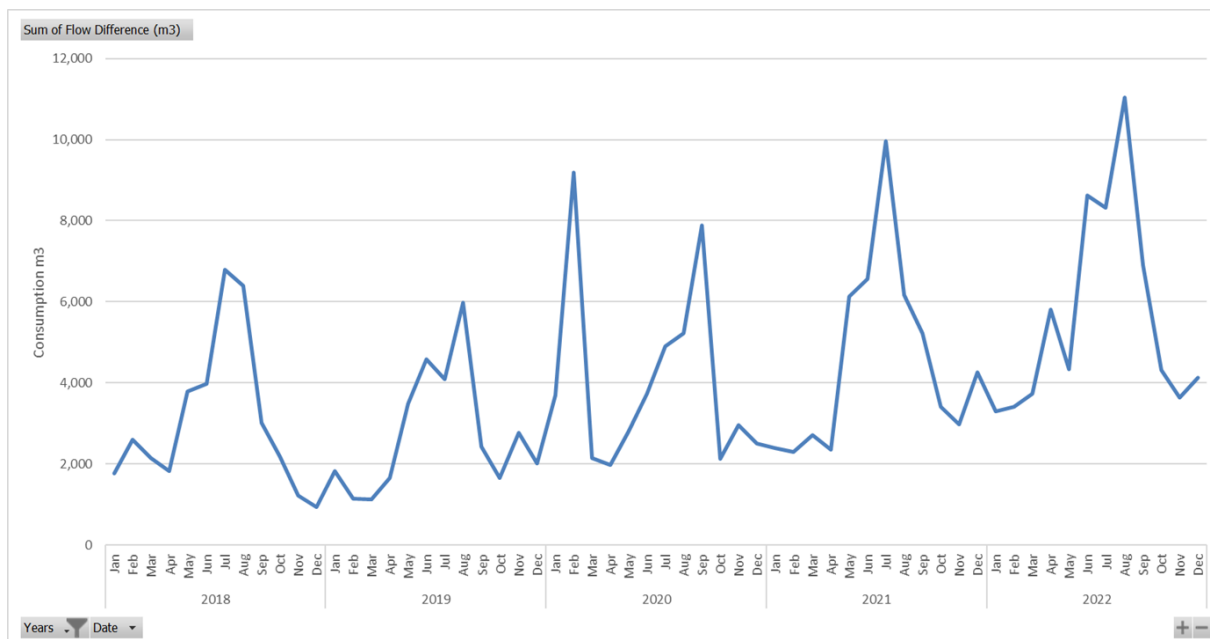


Figure 3-8 Monthly Consumption in Burton Water System

3.2.3 Edgewood

This water system has seen an overall increase in consumption since 2018. Winter use is high indicating that there may be leakage in the system. The number of connections in Edgewood has remained constant since 2018.

A large leak was isolated on private property in early 2020 and a second leak was repaired in the school irrigation system. Some of the increase in 2019 demand might be attributed to construction of the new well and reservoir.

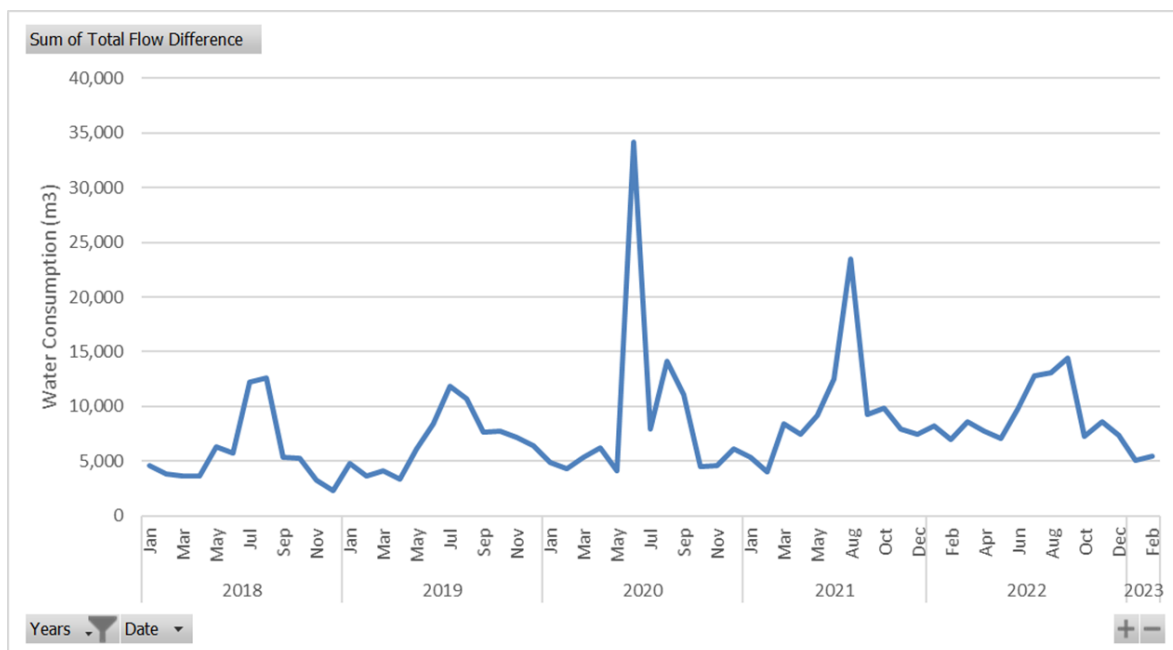
The year 2021 was the BC heat dome and the year of the Michaud Creek wildfire. Residents of Edgewood were evacuated from their homes on July 21, 2021. This could have resulted in sprinklers running continuously to protect homes and property. Consumption was very high in 2021.

Edgewood has a very high per-connection consumption rate of 3337 Litres/day. However, the difference between winter and summer demand is less drastic, indicating that a significant amount of water may be lost to leaks.

The Edgewood well capacity as reported in 2019 consumption report was 10.5 L/s based on the old wells.

The combined well capacity of the two new wells is estimated at 7.8 L/s.

The Edgewood water system is not metered.



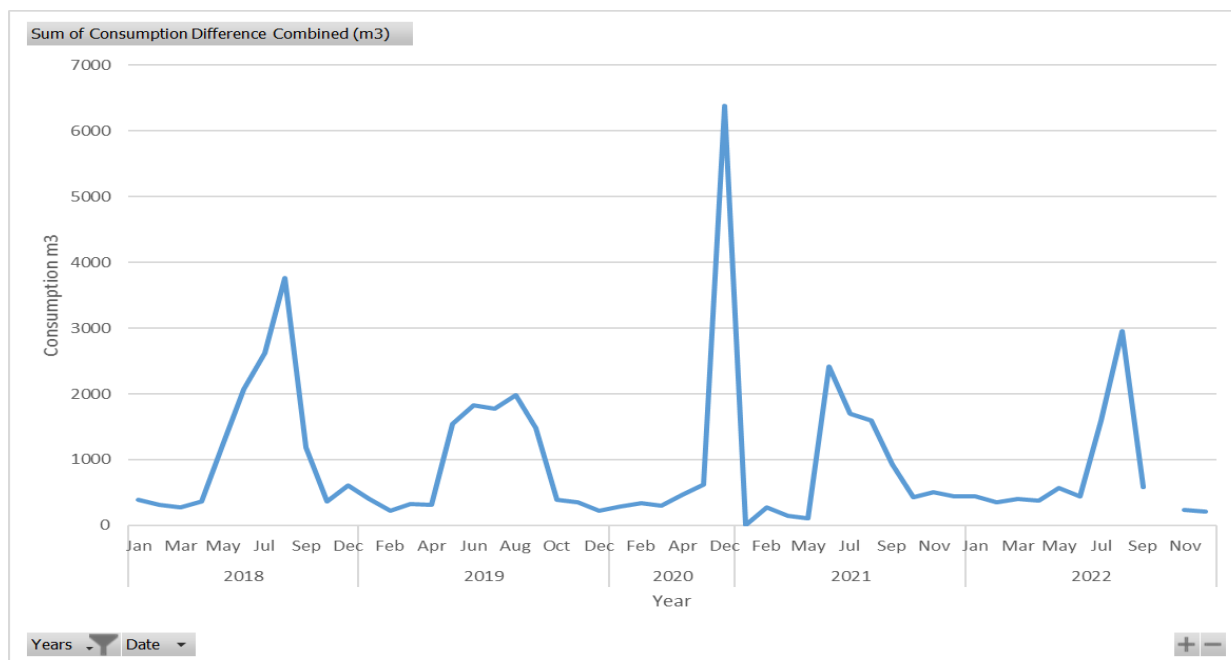
3.2.4 Woodland Heights

The Woodland Heights water system has 21 active water connections. Woodland is supplied by a well pump and has a water storage reservoir that supplies water when the well pump is not operating.

Some data was lost in the second half of 2020 due to a well failure. The data was approximated by using data from previous years which is helpful for annual consumption, but does not accurately show trends when looking at monthly consumption for the year 2020.

Woodland Heights does not have any agriculture, golf courses, commercial uses and the lots are small on average (0.25 – 0.7 acres). However, consumption per connection is high at 1415 L/day. The summer to winter demand ratio is high suggesting that a large amount of water is being used to water lawns in summer. In the summer of 2022 water system operators reported average use of 4000 L/day per connection at which point staff issued a water conservation reminder on August 2, 2023.

Woodland Heights is not a metered system.



3.2.5 Erickson

The Erickson water system uses source water from Arrow Creek. Erickson is an agricultural area and treated water is used for agricultural purposes, mostly orchards. As a result, there are extreme differences between consumption in summer months when crops are irrigated, and winter months when irrigation systems are turned off. Figure 3-10 shows that winter use in Erickson is typically below 50,000 m³ per month but increases to over 300 000 m³ in during the growing season.

A major capital infrastructure project to replace the Arrow mainline was completed in 2017. It appears from the overall decrease in winter monthly consumption from 2013 to 2020, that the Arrow transmission line replacement project reduced leakage. Although not apparent in the data, some of the leakage reduction achieved with the transmission line replacement could now be offset with increased leakage in the aging Erickson distribution system. The Erickson water system is aging and a night flow analysis during non-irrigation periods is recommended to review potential system leakage.

The Erickson water system is partially metered. Grant money has been secured to install more water meters on Agricultural, Industrial, Commercial and Institutional properties over 5 acres in size. These meters will help collect data on how water is being used and identify private side leakage.

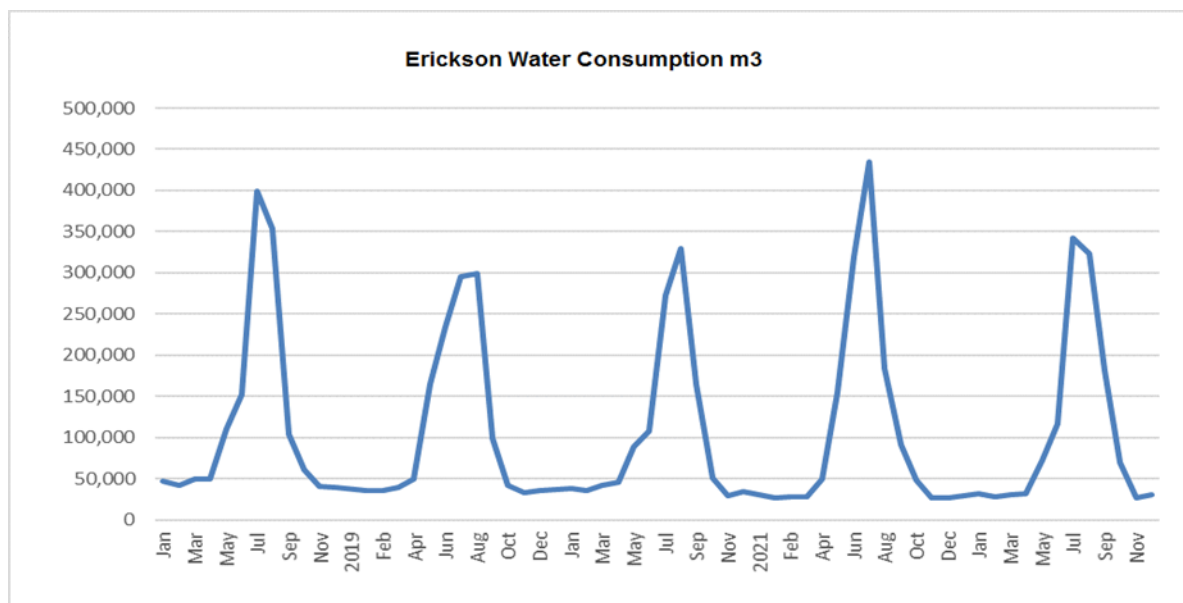


Figure 3-11 Seasonal Water Use in the Erickson Water System.

3.3 Low Per-Connection Water Use

3.3.1 Grandview

This water System has seen an increase in consumption; however, the increase is relative to the increase in the number of service connections as properties in the subdivision are developed. Grandview had 30 connections in the year 2018 and 68 connections in 2022.

In the year 2020 the upper reservoir level transmitter failed, resulting in an overflow of the reservoir. This may be the cause of the big spike in consumption that year.

Despite an overall increase in consumption, consumption per connection is very low in the Grandview water system at only 581 L/day. It is lower than the Canadian average.

The Grandview water system is universally metered and uses quarterly metered billing.

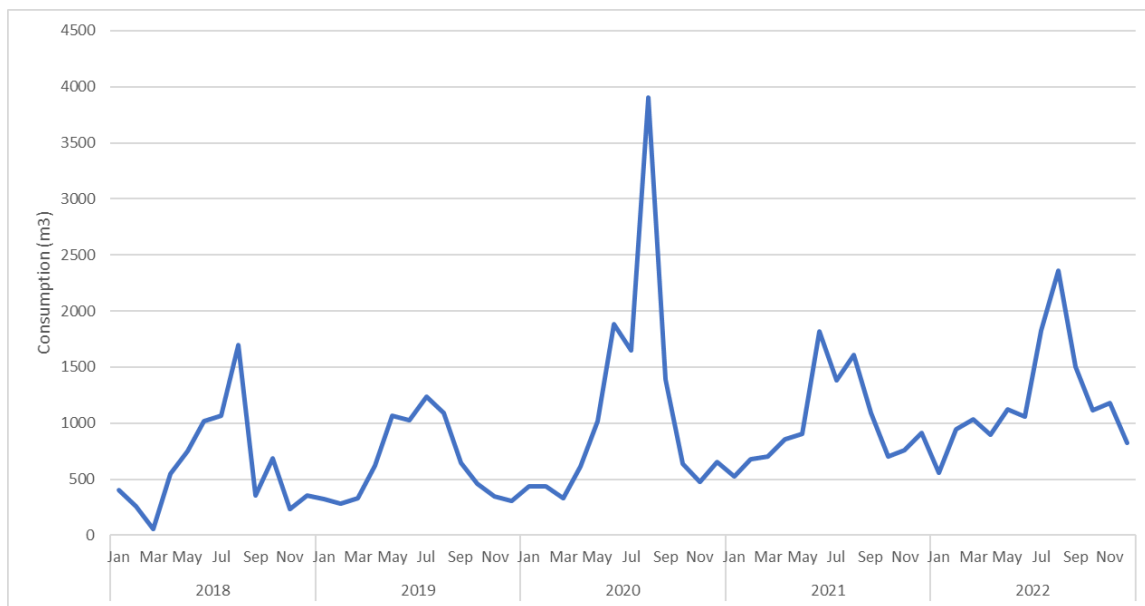


Figure 3-12: Grandview Monthly Consumption

3.3.2 Woodbury

The Woodbury water system has seen an increase in overall consumption since 2018. The number of service connections has increased from 34 to 41 during the reporting period, which has likely contributed to the increase. There may also be more year round residents living in the service area. Despite the increase, the per-connection consumption remains relatively low at 732 L/Day, which is very close to the Canadian average. Woodbury is an engaged community with members who volunteer to collect water quality and consumption data.

The Woodbury water system is not metered.

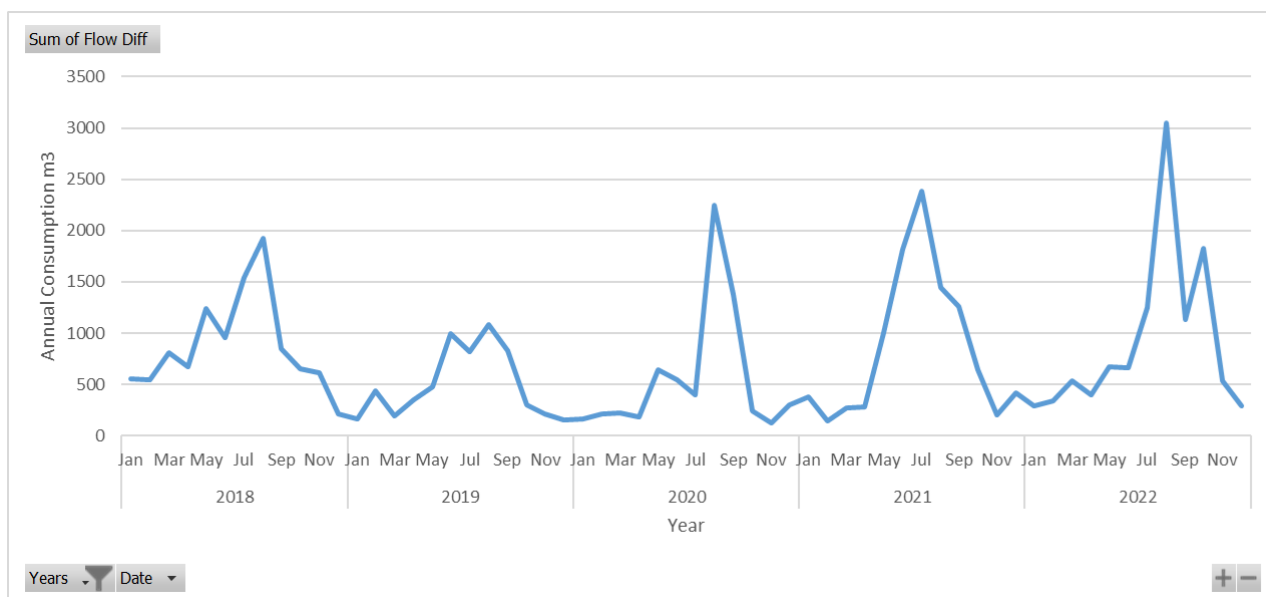


Figure 3-13 Monthly Consumption Woodbury Village

3.3.3 Ymir

The Ymir water system has consistently been one of the lowest water users per connection over the past two reporting periods. At 637 L/day Ymir is lower than the Canadian average. Ymir uses water from Quartz Creek. The watershed has been identified as being vulnerable to proposed forest harvesting. The community of Ymir has advocated for watershed protection for the past few years.

The Ymir water system is not metered.

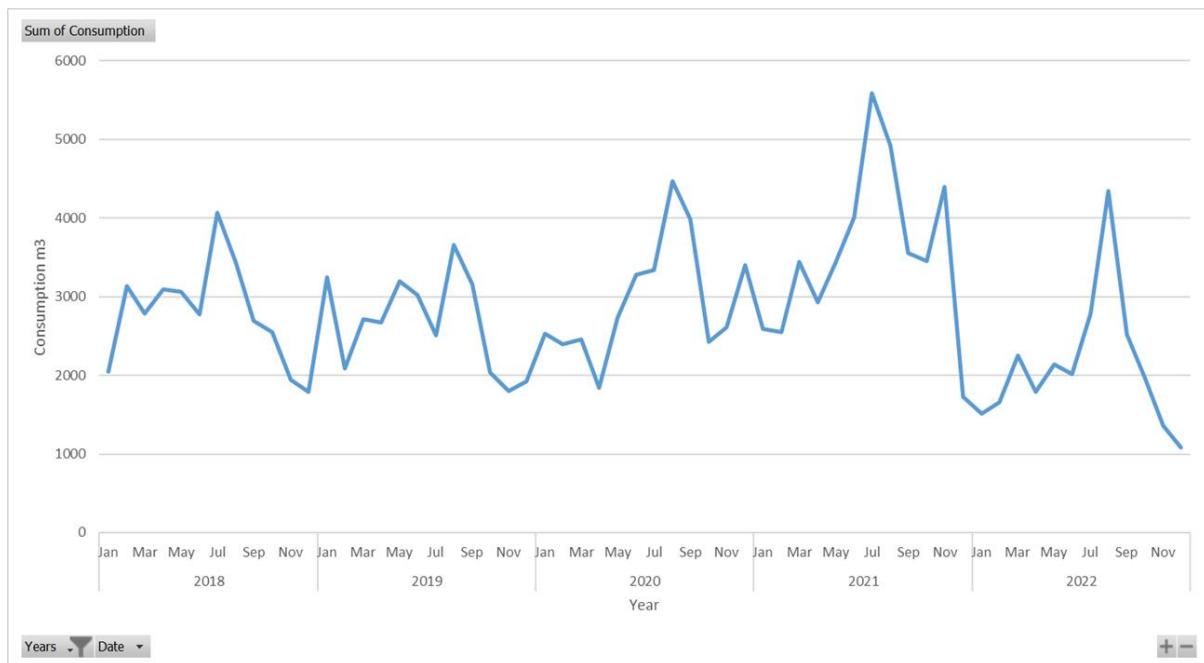


Figure 3-14 Ymir Monthly water consumption



Figure 3-15 Quartz Creek Intake in Ymir

3.3.4 Lucas Road

The Lucas Road is the RDCK's smallest water system. Per-connection water use was 648 L/day in 2022. The RDCK receives quarterly consumption reports from the City of Castlegar when the water invoice is received for that system. As a result, the graph in Figure 3-14 shows quarterly consumption.

The Lucas Road water system is metered.

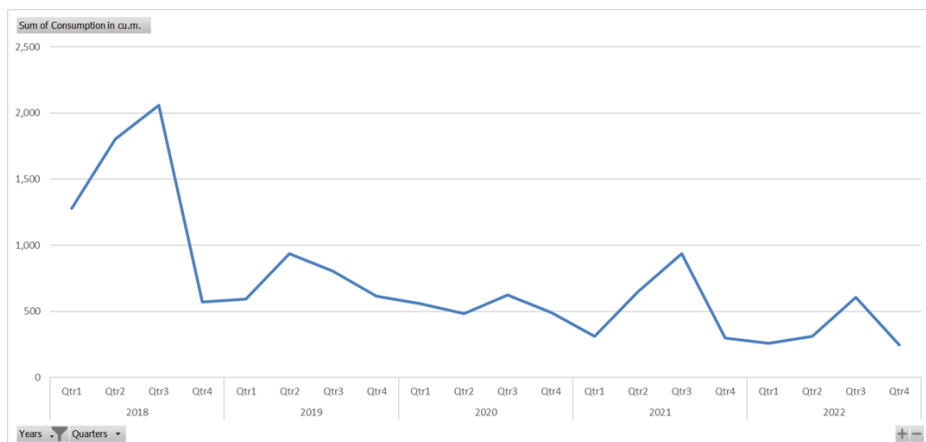


Figure 3-16 Quarterly consumption for Lucas Road

3.4 Golf Courses

The Riondel, Fauquier and Balfour water systems have golf courses that use treated water for irrigation. All three golf courses have meters to collect consumption data but only Balfour has metered billing.

In Fauquier and Riondel, data collected in the Beacon/Badger software prior to 2023 was lost when a meter was replaced for an existing account. Some consumption data still exists in Tempest and was used in the report to quantify consumption in those two systems. 2023 data was also used as it is available and at the time of reporting (November), irrigation in the golf courses has been turned off.

3.4.1 Riondel Golf Course

The Riondel golf course consumption data is only available for the years 2021 and 2023. Both years the golf consumed approximately 17,000 m³ in which is approximately 14% of the total volume of water consumed in Riondel. Given that the Riondel water system is low on both system and emergency capacity, removing the golf course connection from the water system is recommended. The Riondel golf course is billed on an annual flat rate.

3.4.2 Fauquier Golf Course

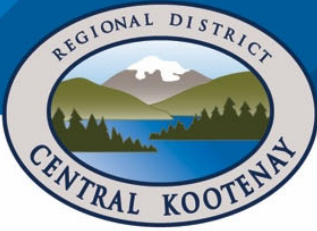
Fauquier Golf Course consumption data is partially available for the reporting period. Use was very high during the years 2021 and 2022 averaging approximately 35,000 m³. This was approximately 30% of total consumption for those two seasons. During 2023, there was a significant reduction, with the Fauquier golf course consuming 7,550 m³. This is approximately 6.6% of the 2022 total water consumption. The decrease in consumption is likely due to leak repairs that took place during the summer of 2023. The Fauquier golf course is billed on an annual flat rate.

3.4.3 Balfour Golf Course

The Balfour Course does not use treated water from the water system to irrigate the greens. Water is only used for the clubhouse. Average water consumption per year for the clubhouse was 692 m³/year. Balfour has metered billing as therefore pays a quarterly base charge for water consumption up to 100 cubic meters per quarter, and a consumption charge over that amount.

3.4.4 Creston Golf Course

The Creston Golf Course sits on the edge of the Lister Water Service Area. The club house is connected to the Lister service, but the greens are not. Therefore, water consumption is not included for this golf course.



Committee Report

Date of Report: November 20, 2023
Date & Type of Meeting: December 06, 2023, Water Services Committee
Author: Jason McDiarmid, Utility Services Manager
Subject: DRAFT 2024 WATER MANAGEMENT PLAN

File: 11-5700-05
Electoral Area/Municipality: All Areas

SECTION 1: EXECUTIVE SUMMARY

The purpose of this report is to present the draft 2024 Water Management Plan to the Water Service Committee for review and comment.

SECTION 2: BACKGROUND/ANALYSIS

The following work plan to rescind the Moratorium on Acquisition of Water & Wastewater Systems was presented at the October 04, 2023 Water Services Committee meeting:

Task	Presented to WSC Meeting	Anticipated Decision/Approval by WSC
Work plan to rescind moratorium to WSC	02-Oct-2023	Not required
Decision on Potential Provision of Service to Other Water Systems	06-Dec-2023	06-Dec-2023 or 07-Feb-2024
New modular Water Management Plan	06-Dec-2023	06-Dec-2023 or 07-Feb-2024
Acquisition Evaluation Matrix & Acceptance Criteria	07-Feb-2023	03-Apr-2024
Acquisition Plan	07-Feb-2023	03-Apr-2024
Revised Acquisition Policy, if required	03-Apr-2024	05-Jun-2024
Various Templates and Internal Procedures		Not required

In 2010, the Regional District adopted a Regional Water Management Plan that placed an emphasis on acquisition of water and wastewater systems that expressed a desire to be converted to a Regional District system.

Since 2010, the Regional District has adopted a number of new bylaws, plans and policies, and the 2010 plan needs to be updated. The proposed new 2024 Water Management Plan provides an overall strategy for the Regional District water services and provides reference to other bylaws, plans, and policies. This modular plan improves adaptability as specific overall plan elements will inevitably change.

The draft 2024 Water Management Plan is being issued for review and comment. Staff ask that the Water Service Committee members provide questions, comments and suggests in writing to the Utility Service Manager by January 05, 2023.

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

A Water Plan provides a guide for service delivery that should result in efficiencies.

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

The proposed Water Plan identifies applicable Act, Regulations policies and bylaws.

3.3 Environmental Considerations

The proposed Water Plan includes water conservation and watershed protection.

3.4 Social Considerations:

Water Planning provides for better service delivery, reliability and sustainability.

3.5 Economic Considerations:

The economic viability of some communities could be linked to the continued availability of potable water. Planning helps to ensure sustainability.

3.6 Communication Considerations:

None.

3.7 Staffing/Departmental Workplace Considerations:

Planning improves staff resource utilization.

3.8 Board Strategic Plan/Priorities Considerations:

"To excel in Governance and Service Delivery".

SECTION 4: OPTIONS & PROS / CONS

None at this time.

SECTION 5: RECOMMENDATIONS

None. The draft 2024 Water Management Plan is being issued for review and comment. It is anticipated that the plan will be presented at the February 07, 2024 Water Service Committee for approval.

Respectfully submitted,

Jason McDiarmid, Utility Services Manager

CONCURRENCE

ATTACHMENTS: Draft 2024 Water Management Plan



Regional District of Central Kootenay **2024 Water Management Plan**

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Background

The Regional District of Central Kootenay Water Management plan provides an outline for management of Regional District owned water, wastewater and storm water drainage systems. Detailed plans, bylaws and policies are provided under separate cover.

This plan updates and replaces the 2010 Regional Water Management Plan.

Regional District Water Challenges

Water challenges include:

- 💧 Complexity
 - 19 water services
 - One drainage service
 - Large geographic area
- 💧 Water quality
 - Historically half the water system had water quality concerns
 - Only one system now does not have a plan to address Boil Water Notice
 - Water quality upgrades have depleted reserves in some systems
- 💧 Infrastructure investment (asset renewal)
 - Aging linear infrastructure, much of it past due for renewal
 - Inadequate reserves to fund asset renewal
 - Limited linear infrastructure renewal grant availability
- 💧 Water demand, leakage, water loss, water supply and water conservation
 - Some systems have experience high rates of consumption, leakage and loss
 - Some systems have source water and or treatment and pumping capacity concerns
- 💧 Watershed protection
- 💧 Climate change
- 💧 Escalating water rates and financial sustainability
- 💧 Requests from other water and wastewater systems for assistance

Regional District Water, Wastewater, and Drainage Services' Priorities

The Regional District Water Services' priorities are as follows:

- 💧 Safe and reliable water service delivery
- 💧 Infrastructure investment
 - long term asset renewal planning
 - long term rate planning
 - seek and lobby for senior government grant opportunities
 - asset replacement and upgrades
- 💧 Water conservation
- 💧 Watershed protection
- 💧 Climate change resilience
- 💧 To excel in governance and public relations
- 💧 Regulatory compliance and reporting

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- 💧 Acquisition of water and wastewater services that would like to become a Regional District service
- 💧 Provision of support to other area water systems

The primary focus of the 2010 Regional Water Management Plan was water and wastewater system acquisition. A moratorium was soon after placed on water and wastewater system acquisition due to rapid growth and emerging new priorities. Water quality upgrades, water conservation, water storage reservoir replacement, asset management planning, governance, and safe and reliable water service delivery have been key areas of focus for the past 10 years.

The primary focus for the foreseeable future will be water and wastewater system acquisition, linear infrastructure renewal and the required escalating rates, balanced with safe and reliable water service delivery.

Water Management Plan Content

This Water Management Plan includes:

- 💧 Existing Services Information
- 💧 Regulation
- 💧 Governance and Staff Organization
- 💧 Regulatory Reporting and Customer Communications
- 💧 Water, Wastewater, and Storm Water Drainage Systems Acquisition
- 💧 Water Conservation and Protection
- 💧 Climate Change and Resilience
- 💧 Asset Management and Financial Planning
- 💧 Health & Safety and Emergency Response

Existing Services Information

Regional District Water and Drainage Services

As of November 2023, the Regional District has the following services:

- 💧 S251 Water Utility-Area B (Arrow Creek)
- 💧 S255 Water Utility-Area E (Balfour)
- 💧 S252 Water Utility-Area K (Burton)
- 💧 S248 Water Utility-Area F (Duhamel Creek)
- 💧 S253 Water Utility-Area K (Edgewood)
- 💧 S250 Water Utility-Area B & C (Erickson)
- 💧 S254 Water Utility-Area K (Fauquier)
- 💧 S258 Water Utility-Area E (Grandview)
- 💧 S243 Water Utility-Area B (Lister)
- 💧 S247 Water Utility-Area J (Lucas Road)
- 💧 S246 Water Utility-Area D (Macdonald Creek)
- 💧 S165 Drainage-Area A (Riondel)
- 💧 S241 Water Utility-Area A (Riondel)
- 💧 S260 Water Utility-Area H (Rosebery)
- 💧 S242 Water Utility-Area A (Sanca Park)

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- 💧 S245 Water Utility-Area H (South Slocan)
- 💧 S257 Water Utility-Area F (Woodland Heights)
- 💧 S259 Water Utility-Area D (Woodbury)
- 💧 S256 Water Utility-Area J (West Robson)
- 💧 S244 Water Utility-Area G (Ymir)

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Service Delivery Matrix

The following service delivery matrix provides a summary of the Regional District services:

Service Area	Service	# of Active Connections	Parcel Taxes or CRFC	Commission of Management	Water Advisory Committee	Community Volunteers	Contracted Operator	RDCK Operators	Source Water	Water Treatment	Treatment Issues	Water Quality Advisories & Boil Water Notice (BWN)	Capacity and Demand Concerns	Metered	Distribution System Concerns	Risks/Impacts Due to Climate Change
S251	Arrow Creek	0		Yes				East	Creek	Ultrafiltration Membrane Plant with UV & chlorine disinfection	Membrane filters are expensive to replace.		Plant operated at emergency capacity during warm weather.			Arrow Creek supply concerns during droughts.
S255	Balfour	264	288		Yes			West	Lake	Media Filtration, UV & Chlorine Disinfection.	Cartridge filters not used due to costs.	Good but under Filtration Deferral	Good since metering.	Yes	2.4 km of AC & Gal pipe past due for replacement.	
S252	Burton	54	25				Yes	West	Wells	Well supply with no disinfection.		Permanent Water Quality Advisory. Past periodic Coliform bacteria but good since Water Quality Management Plan.			3.2 km of AC pipe due for replacement.	
S248	Duhamel	93	96	Old Repeal				West	Well	None, well source					1.9 km of AC pipe due for replacement.	
S253	Edgewood	93	19		Yes		Yes	West	Wells	None, well source					2.3 km of AC pipe due for replacement.	
S250	Erickson	656	652		Yes			East	Arrow Plant	From Arrow Creek Water					20.1 km of AC & steel pipe due for replacement. Many water lines on private property.	From Arrow Creek Water
S254	Fauquier	91	45				Yes	West	Creek	Polishing filter and chlorine disinfection.	Seasonal turbidity concerns. Filter chemical aid & UV disinfection planned.		Potential capacity concern during higher creek turbidity periods.		6.3 km of AC pipe due for replacement.	Not so far but creek supplied.
S258	Grandview	81	86		Yes			West	Lake	Media Filtration, UV & Chlorine Disinfection.	Cartridge filters not used due to costs.	Good but under Filtration Deferral	Good since metering.	Yes		
S243	Lister	196	195	Old Repeal				East	Well	Chlorination of well water			Potential demand & capacity concerns with any new growth or system expansion.		12.1 km of plastic pipe due for replacement as non standard pipe. Many water lines on private property.	Lister well could impact Lister Creek supply to others during drought.
S247	Lucas Road	6	7	Old Repeal				West	City of Castlegar	City of Castlegar supplied water			Demand is high.	Yes		
S246	McDonald Creek	72	86				Village of Kaslo	West	Village of Kaslo	Village of Kaslo supplied water						
S241	Riondel	199	214	Recently Repealed	Yes			Riondel Maintenance Person & East	Creek	Ultrafiltration membrane & chlorine disinfection			Yes, but manageable with Water Conservation Measures.		Valve chamber due for replacement.	Creek supplied, some concern.
S165	Riondel Drainage	204	214		Yes			Riondel Maintenance Person & East	N/a	N/a			Potential storm flooding has been a historical concern.		Concerned in poor to very poor condition. Asset management plan not completed. Tax rate too low. Very little funds in reserves.	Potential future storms concern.
S260	Rosebery Highlands	9	20					West	Well	Well and chlorination only				Yes		
S242	Sanca Park	28	32	Recently Repealed	Yes			Sanca Part-time Operator & East	Creek	None. Treatment Plant financing was not approved by customers		BWN (longstanding) Water quality management plan required.				Not so far but creek supplied.
S245	South Slocan	50	36	Recently Repealed	Yes	Hydrants mowing/shoveling and dam checks by residents		West	Springs and Creek	Media & Cartridge Filtration, UV & Chlorine Disinfection	Treatment costs are high per capita.				1 km of small diameter plastic pipe had a past history of frequent breaks. 1955 cast iron pipe is old but very few breaks. Many water lines on private property.	Springs have low flow during drought. Creek can be a concern.
S256	West Robson	114	17					West	Wells	None, well source					3.0 km of AC pipe due for replacement.	
S259	Woodbury	34	41		Yes	System checks and water sampling		West	Lake	Obsolete UV dis-infection only. Upgrades underway.	Experiences seasonal distribution bacteriological hits. Temporary chlorination. Treatment upgrades underway.	WQA (longstanding) now BWN				
S257	Woodland Heights	22	27		Yes			West	Well	Well supply with chlorine disinfection.	2021 well failure. New well planned for 2022.		Low yielding aquafer. Manageable with Water Conservation Measures.			Aquafer level and yield might be a concern.
S244	Ymir	109	142	Yes		Fire hall keeps hydrants clear		West	Creek	Media & Cartridge Filtration, UV & Chlorine Disinfection						Creek can run low during droughts.

Regulation

Provincial Regulation

Local governments are regulated by the Province via the Local Government Act and Community Charter.

Water licensing is provided in accordance with the Water Sustainability Act, and drinking water health regulations are provided by the Drinking Water Protection Act and Regulations.

Operation and upgrade of water systems are regulated by the Province. Operating Permits and new Construction Permits are issued by Interior Health in accordance with the Drinking Water Protection Act and Regulation.

The Regional District is required to have Certified Operators certified by the British Columbia Environmental Operators Certification Program and

Regional District Bylaws

Management and regulation of Regional District waters systems is provided by the Water Bylaw No. 2894, and Utilities Rates, Fees and Charges Bylaw No. 2895, 2023. These bylaws are typically updated and replaced annually.

As of November 2023, a Drainage Bylaw is being drafted to manage the Riondel storm drainage service.

All services are independent and have been established by service establishment bylaws.

Governance and Staff Organization

Board Delegation of Authority to Staff, Commissions and Committees

Nearly everything a Regional District does can only be done by Board Resolution or Bylaw; however, in accordance with Sections 229 to 232 of the Local Government Act, the Board can delegate authority to officers, employees or other bodies established by the Board, such as, Commission and Committees. Specific legislative items and judicial authority cannot be delegated.

The Regional District Board delegates authority to staff via Board adopted job descriptions for senior staff and corporate officers, Water Bylaw No. 2894, 2023, and Utilities Rates, Fees and Charges Bylaw No. 2895, 2023, Policies, and Board Resolutions.

Senior staff and corporate officers can then delegate some of their authority to staff via job descriptions, and staff procedures.

The Board delegates authority to Commissions and Committees via Commissions and Committees establishment bylaws.

Regional District of Central Kootenay Water Services Committee

The Regional District of Central Kootenay Water Services Committee was established in February 2022 by the Water Services Establishment Bylaw No. 2798. The Water Service Committee is an advisory body to the Board only

and membership consists of Rural Directors who have Regional District owned water systems and the Director for the Town of Creston.

Commissions of Management

Historically the Board has delegated authority for water systems to water commissions of management. Due to potentially liability concerns and regulatory requirements, most historical water commissions have been repealed. Currently there are two water commissions.

- 💧 Arrow Creek Water Commission
- 💧 Ymir Water Commission of Management

The Arrow Creek Water Commission Bylaw No. 1579, 2003 establishes the Arrow Creek Water Commission. The purpose of the Commission is to provide advice and recommendations to the Board regarding operation and management of the Arrow Water Service. Membership consists of Areas B and C Directors, and a Director for the Town of Creston. As of November 2023, a new Arrow Creek Water Commission Bylaw No. 2871 has been drafted but not yet adopted.

The Ymir Water Commission of Management Establishment Bylaw No. 279, 1979, as amended by Bylaw No. 1879, 2007, establishes the Ymir Water Commission. The Ymir Commission consists of the Area G Director and five Ymir residents. Bylaw 279 delegates administrative responsibility with respect to the operation and maintenance, and payments of accounts of the Ymir water supply and distribution system to the Commission provided that costs incurred are within the annual budget as approved by the Board. In practice, the Ymir Commission primarily provides an advisory role to staff and the Board.

Water and Wastewater System Community Advisory Committees

Water and Wastewater System Community Advisory Committee Bylaw No. 2858, 2023 provides for the establishment of drainage, water and wastewater system community advisory committees.

The drainage, water and wastewater system community advisory committees are external advisory bodies only with no specific powers delegated to them by the Regional District Board. Members are appointed by Resolution of the Board.

Advisory committees' duties are to liaise with water users on their particular systems and provide that input to the Regional District, advise the Regional District on issues including, but not limited to: operations and maintenance policies; water conservation measures; capital works projects; cost recovery approaches; annual budgets; and bylaw and policy development.

As of November 2023 the following advisory committees have been established:

- 💧 Balfour Water Service Community Advisory Committee
- 💧 Edgewood Water Service Community Advisory Committee
- 💧 Erickson Water Services Community Advisory Committee
- 💧 Grandview Water Service Community Advisory Committee
- 💧 Riondel Water and Drainage Service Community Advisory Committee
- 💧 Sanca Water Service Community Advisory Committee
- 💧 South Slokan Water Service Community Advisory Committee

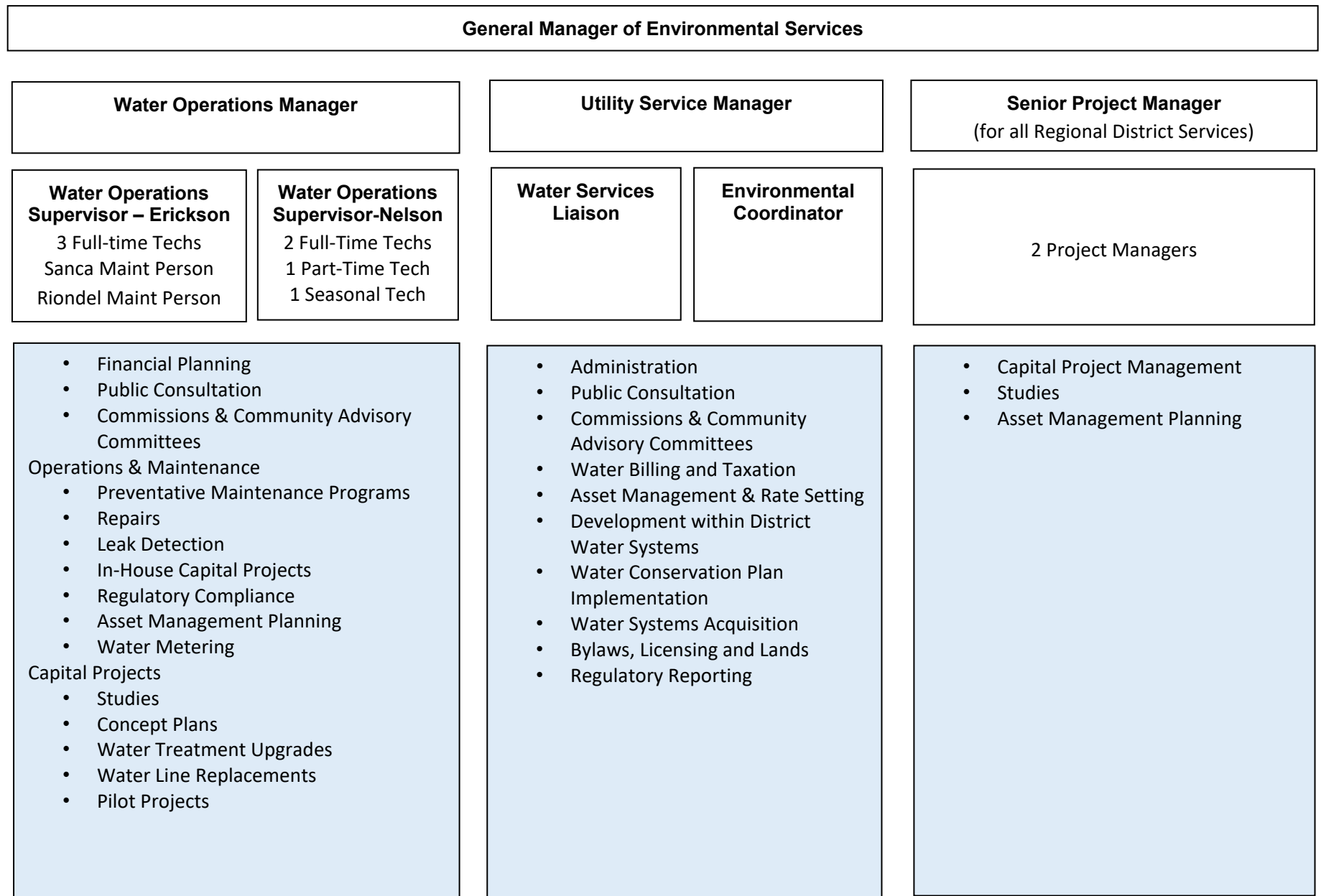
- 💧 Woodbury Village Water Service Community Advisory Committee
- 💧 Woodland Heights Water Service Community Advisory Committee

Board Adopted Policies

The Regional District has a number of Board adopted Policies. The active policies specifically related to water services are as follows:

- 💧 Water Quality Reports Policy 600-03-02, 1989
 - Purpose: “It be policy of the Board that Water Quality Reports prepared by the area Health Units not be included on Board agenda but that copies be forwarded to the director(s) involved in the particular water system and to any other director(s) requesting copies.”
- 💧 Water & Wastewater System Acquisition Policy 600-03-04, 2012
 - Purpose: A policy to guide the acquisition process
- 💧 Drinking Water Systems Pathogen Risk Water Quality Management Policy 600-03-07, 2023
 - Purpose: A policy to identify and manage public health risks associated with a long term Water Quality Advisories and Boil Water Notices for the Regional District owned water services.
- 💧 Decommissioning Asbestos Cement Pipe in Regional District Water Services Policy 600-03-08, 203
 - Purpose: A policy to identify the requirements for abandonment in place or removal of decommissioned asbestos cement pipe for Regional District owned water services.

Staff Organization Chart



Regulatory Reporting and Customer Communications

The Regional District is required to provide monthly reports on large water systems to Interior Health. Large water systems are those that might service a population of more than 200 at any point in time.

The Regional District provides annual system reporting to customers in the form of billing inserts. The Regional District will host public meetings, and provide brochures and customer letters, as required, for various matters.

Water Quality Notices are issued as required via media release, local signage and Voyant Alert digital messaging service. Operation and maintenance notices are issued, as required, via local signage and Voyant Alert digital messaging service

Water, Wastewater, and Storm Water Drainage Systems Acquisition

The Regional District has had a long standing moratorium on the acquisition of water, wastewater and storm drainage systems. The Regional District Board passed the following Resolution 376/23 at their June 7, 2023 meeting:

That the Board extend the moratorium on the acquisition of water and wastewater systems until June 30, 2024;

AND FURTHER, that the Board direct staff to present updated plans, policies and acceptance matrices, as required, to the Water Service Committee meeting on or before June 2024 with the intent to lift the moratorium at that time;

AND FURTHER, that the Board direct staff to review and recommend how the RDCK can support governance, asset guidance and operational supports but not ownership of independent, community operated water systems inclusive of Improvement and Irrigation Districts.

A new Water, Wastewater, and Storm Water Drainage Systems Acquisition plan is anticipated to be drafted and adopted by June 2024.

Water Conservation and Protection

The Regional District of Central Kootenay Drinking Water Conservation Plan was adopted in 2019 by Board Resolution 390/19.

The purpose of the Drinking Water Conservation Plan is to promote smart usage of our drinking water and to minimize waste and loss. The goals of the Drinking Water Conservation Plan are:

1. Reduce water demand by 20%
2. Educate and promote water conservation measures
3. Provide Annual Reporting on Water Consumption & Loss and Demand Forecasts
4. Extend Infrastructure Life Expectancy & Deferred Capacity Upgrades
5. Reduced Environmental Impacts
6. Improved water delivery reliability, including the availability of water stored for fire fighting
7. Reduced Overall Rates to Our Customers

The Drinking Water Conservation Plan identifies the need to deliver the following:

- 💧 Provide Annual Reporting on Water Consumption & Loss and Demand Forecasts
- 💧 Water Metering Implementation Strategy
- 💧 Water Loss Control & Leak Reduction Program
- 💧 Water Reduction Targets
- 💧 WaterSmart Program (program on hold)
- 💧 Agricultural Water Demand Review
- 💧 Bylaw Adopted Water Conservation Requirements
- 💧 Drought Management & Water Shortage Contingency Planning
- 💧 Watershed Management Plan Strategy

Annual Reporting on Water Consumption & Loss and Demand Forecasts

The goal of staff is to provide annual consumption reporting on all Regional District water systems but provision of these reports will depend on staff changes and work loads. Demand forecasts have not been completed for any existing reports but are reviewed on an as needed bases, typically for potential Capital upgrades.

The annual consumption report identifies potential high water consumption rates, leakage, and system capacity concerns.

The latest report is anticipated to be completed in November 2023.

Water Metering Implementation Strategy

A Water Metering Implementation Strategy was adopted by the Board in 2021 by Board Resolution No. 272/21. The strategy provides a guide and framework for prioritization of water metering in Regional District water systems. Assessment of each water system for metering prioritization has not yet been completed.

Prioritization work first requires that the annual water consumption and loss reporting be updated.

Water Loss Control & Leak Reduction Program

The Board adopted the Leak Detection Program Strategy in 202 for the Regional District owned water systems, Board Resolution No. 272/21. The strategy provides a guide and framework for prioritization of leak detection work in Regional District water systems. Assessment of each water system for leak detection prioritization has not yet been completed but staff is conducting annual leak detection work in many Regional District systems.

Prioritization work first requires that the annual water consumption and loss reporting be updated.

Water Reduction Targets

The 2019 Drinking Water Conservation Plan generally sets water demand reductions targets at 20%. These target might be updated for individual water systems based on an updated water consumption report findings.

WaterSmart Program

The 2019 Drinking Water Conservation Plan recommended continuation of the Regional District WaterSmart Program. The program had been put on hold for a few years for review and planning. The concept of WaterSmart is still in practice by the Regional District but as of October 2023 the WaterSmart Ambassador program has been placed on hold indefinitely due to funding concerns.

Agricultural Water Demand Review

The most recent Agricultural Water Demand Study was conducted for Erickson by FarmQuest Consulting Ltd. and Ted van der Gulik in 2019.

Bylaw Adopted Water Conservation Requirements

Water conservation measures are included in Water Bylaw No. 2894.

Drought Management & Water Shortage Contingency Planning

Drought management and water shortage contingency planning has not yet been completed for Regional District water systems and should be given future priority.

Watershed Management Plan Strategy

The Regional District of Central Kootenay Watershed Governance Initiative has been created under the Regional District's Sustainability Service.

Climate Change and Resilience

Climate changes and resilience is being addressed by the Regional District's Sustainability Service.

Asset Management and Financial Planning

The Regional District maintains asset management plans for each Regional District water service. The plans have been created in an excel model provided by econics. The asset management plans identify potential asset replacement timing and identify required contributions to reserves to fund investment asset renewal over a 25 year and 100 year time period.

Each Regional District water service is financially independent in that the cost of the service has to be completely borne by the customers of the service.

The Regional District annually adopts five year financial plans for each service provided. Five year rate plans are also created annually for each water service.

Health & Safety and Emergency Response

Regional District water services fall under the overall Regional District safety program and in addition have water system specific safety programs. The water system safety program includes:

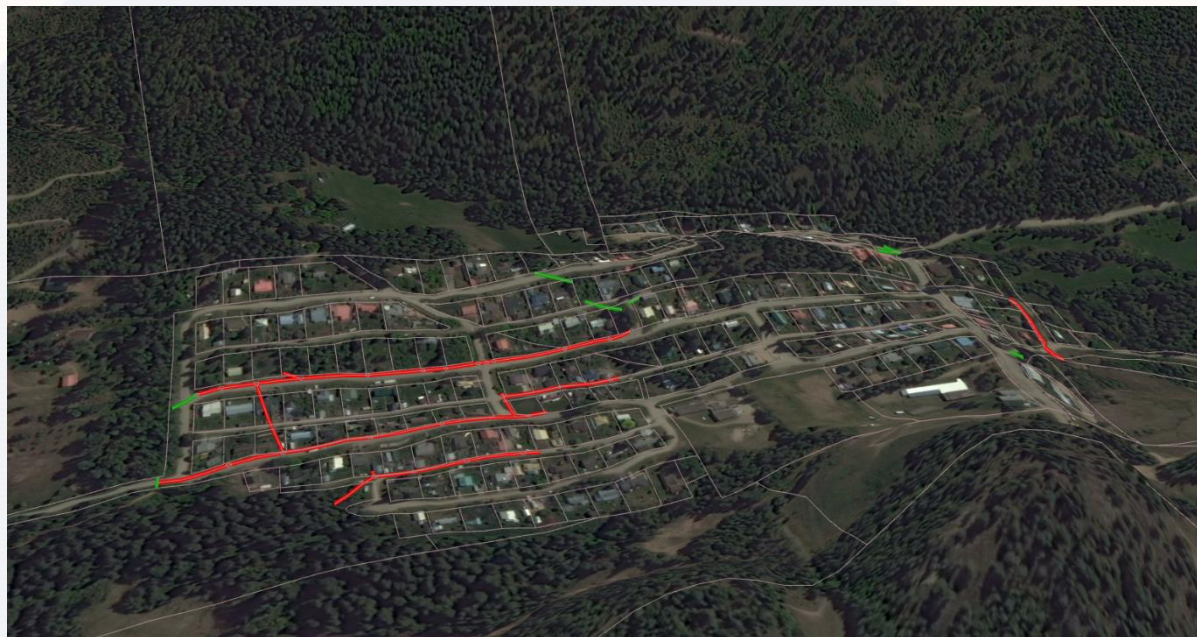
- 💧 Regular facility safety inspections.
- 💧 There is no requirement for a Joint Occupational Health and Safety Committee for water services as they do not have enough staff at any location.
- 💧 Confined space entry policy.
- 💧 Safe Work Procedures.
- 💧 Emergency Response Plans for each water service

Water systems emergency operations would typically not fall under a state of local emergency requiring activation of the Regional District Emergency Operations Center. A state of local emergency might be declared under extraordinary circumstance to: “procure, fix prices for or ration food, clothing, fuel, equipment, medical supplies, or other essential supplies and the use of any property, services, resource or equipment within any part of British Columbia for the duration of the estate of emergency.



Asset Challenge

Riondel Drainage



Presented by: J. McDiarmid

Prepared for: Water Services Committee

Date: December 06, 2023



Riondel Drainage Background

- Riondel has the only Regional District Drainage Service
- Built by Bluebell mine and its successors starting around 1950s
- Service created by BC Order in Council #3343/65 and Letters Patent dated November 30, 1965
- Transferred to the Regional District in 1992 by BC Order in Council #687/1992 and service establishment Bylaw 1386





Ainsworth Inlet

Riondel Drainage Considerations

- No Drainage Bylaw
- Repairs vs Assessment & Replacement and Capital Upgrade Plan
- Flooding & Private Property Drainage
- Mapping Accuracy and Inventory
- No Agreement with Ministry of Transportation and Infrastructure
- Asset Condition and Aging Infrastructure
- No Asset Management Plan
- System Upgrade and Replacement Funding



Three Unknown (Private) Connections

Drainage Bylaw

- Currently staff do not have clear delegated authority from the Board to operate the system and all decision should be directed to the Board
- There is no clear direction provided by the Board on how to manage the service outside of Board approved Financial Plans
- A Drainage Bylaw is needed to regulate and manage the Riondel drainage service:
 - Would delegate authority to staff to operate the service
 - Private drainage connections
 - Unauthorized tampering with the system
 - Adverse discharge to the drainage system
- Draft Drainage Bylaw presented to the Water Services Committee in November 2022 but adoption placed on hold until an agreement can be executed with MoTI regarding drainage infrastructure ownership



Repairs vs Assessment & Replacement and Capital Upgrade Plan

- Historically limited maintenance has been provided due to low funding levels
- Should limited funds be spent on maintenance or assessment & replacements?
- Safety issues need to be addressed
- The public has expressed concern about spending limited funds on assessments rather than repairs
- The Regional District has expressed that we needed to do assessment, repairs, asset planning and replacement, leading to a stalemate on progress for many years



Wood Decking Catch Basin Cover
Safety Concern for Traffic and Pedestrians



Hole in Exposed Steel Pipe

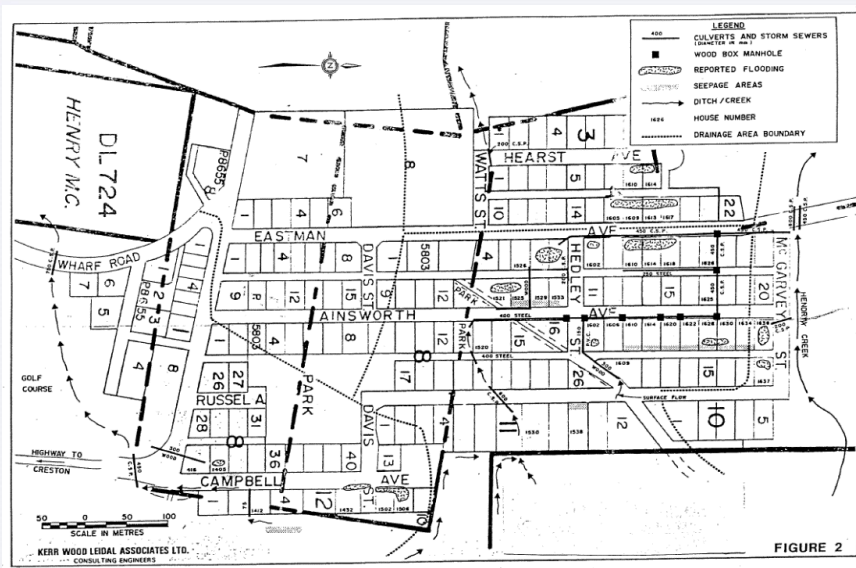


Non Traffic Rated Grate



Flooding & Private Property Drainage

- 1990 KWL Study indicated flooding was a concern due to collapsing wood culverts that have since been replaced
- No roadway flooding has been reported to the Regional District in recent years
- Residence have expressed concerns about wet properties
- Property should drain to roadways and not directly to drainage system

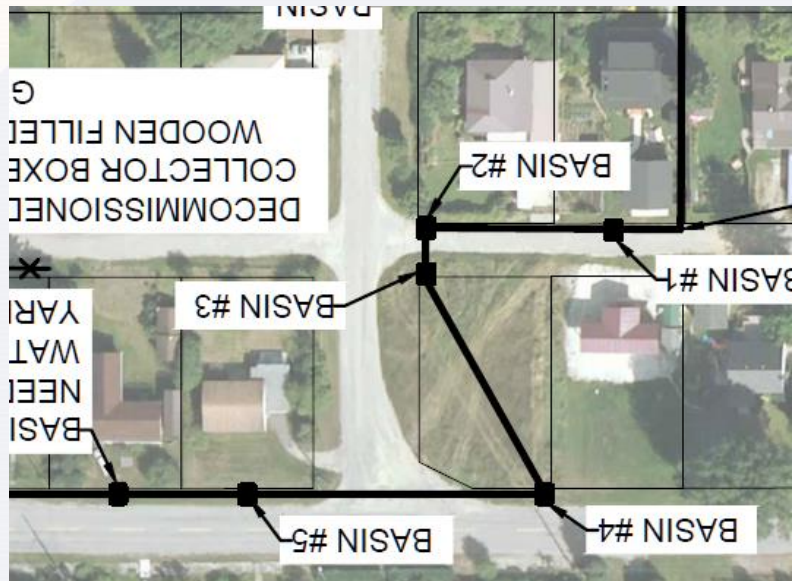


1990 KWL Report on Riondel Drainage Map

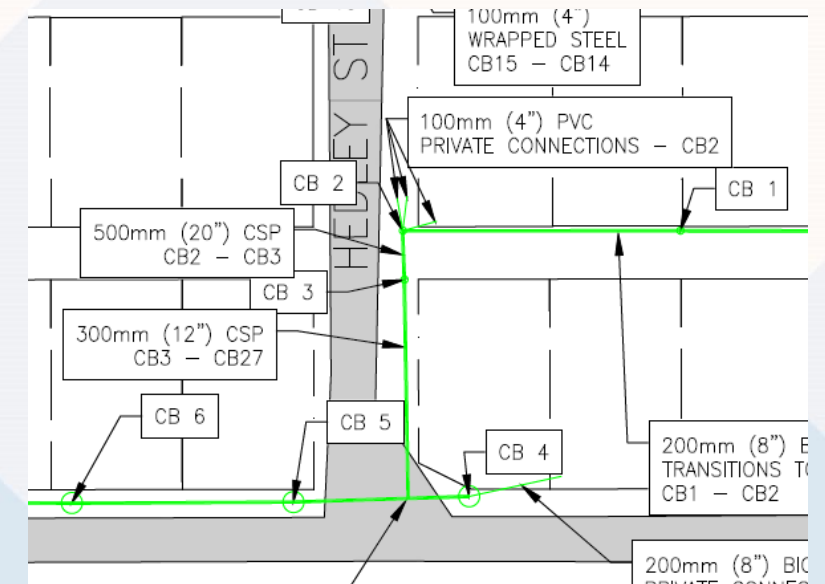


Mapping Accuracy and Inventory

- The Regional District did not have an up to date asset inventory and mapping
- Highland Consulting recently provided updated mapping
- Example mapping issue shown where existence of drain line crossing private property in existing Regional District map was found to not cross private property by Highland



Regional District Existing Map



Highland Consulting Updated Map



No Agreement with Ministry of Transportation and Infrastructure

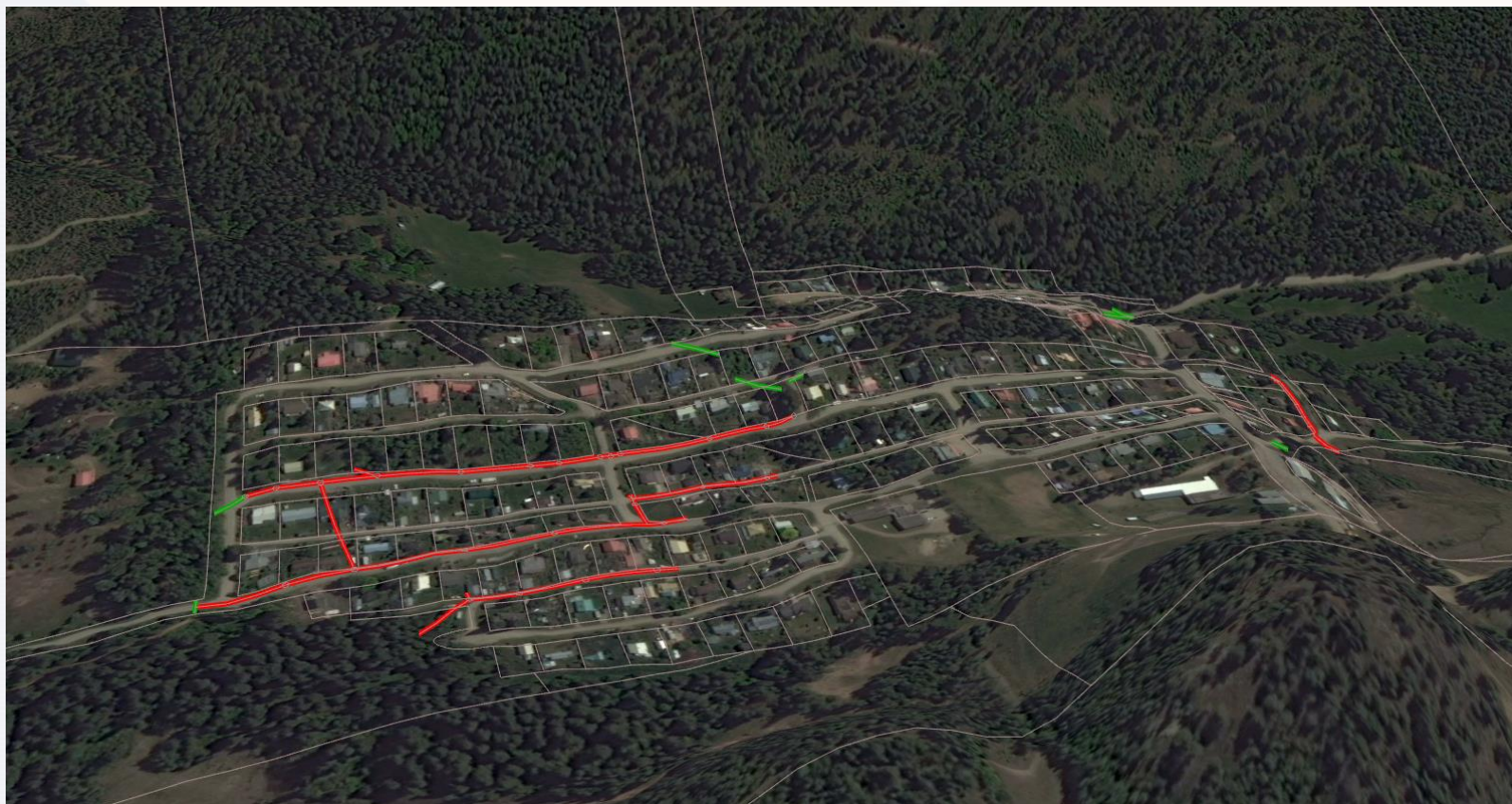
- Roadway surface drainage and ditching & swales are the responsibility of the Ministry of Transportation and Infrastructure (MoTI)
- Road crossing culverts are generally believed to be the responsibility of MoTI as culverts are required to drain roads
- The drainage system is owned by Regional District but there is no official ownership inventory
- Staff feel the primary purpose of the drainage system is to drain roads not private properties
- There is no agreement with MoTI regarding ownership responsibility between culverts and the drainage system
- The Regional District does not have a permit from MoTI permitting District drainage infrastructure to be located on MoTI roads
- MoTI has indicated that they do not provide agreements but would provide a permit
- Accurate mapping indicating inventory ownership is required for the permit



No Agreement with Ministry of Transportation and Infrastructure

Assumed:

- MoTI culverts in green
- Regional District drainage in red





Asset Condition and Aging Infrastructure

- 1990 KWL Report on Riondel Drainage is considered out of date due to undocumented system changes and inflation
- There are a number of private drain line connections that were undocumented
- The system was believed to have a large amount of non-standard materials and construction



Wood Catch Basin Cover



No Concrete Base



Infiltration Opening



Non Standard Cover



Asset Condition and Aging Infrastructure

- A drainage system assessment and mapping updated has been completed by Highland Consulting in November 2023
 - The drainage system was not videoed due to costs
 - Assessment based on inspection of catch basins only
 - The system was assessed in generally poor condition due to large amount of non-standard materials and construction but most of it is likely still serviceable for many years
 - The south end of the Ainsworth Avenue is considered in potentially dangerous condition
 - The system has some non-traffic rated catch basin tops that should be addressed



Unsecured Cover – No Grate



Asset Condition and Aging Infrastructure



Private Service Inlet



Surface Water Cannot Flow In



Non Traffic Rated Grate



Pipe Not Grouted



Pipe Miss Aligned



Laundry Tub CB



Cannot Remove Cover



No Catch Basin at Tee



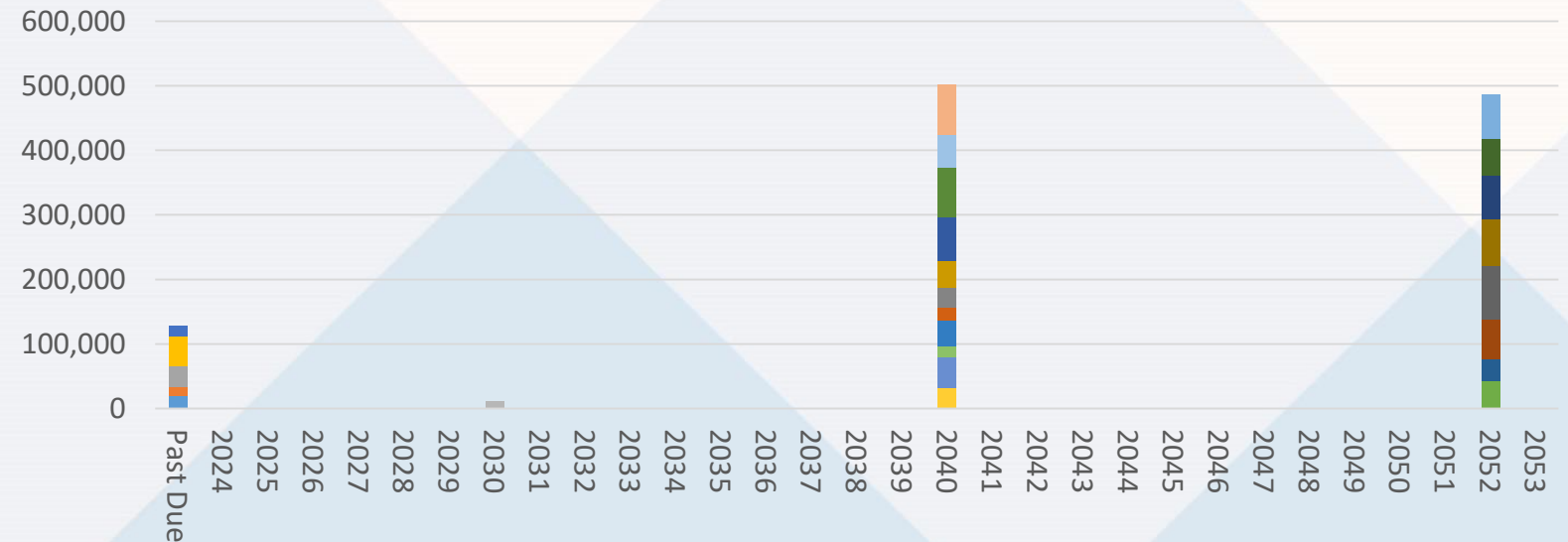
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Asset Management Plan

- Existing drainage system replacement value: \$790,000
- Future drainage system replacement value: \$1,170,400 at 2% inflation
- Required annual contribution reserves \$32,433 to fund replacements, excluding past due replacements which would need to be funded from existing reserves and financing

Riondel Drainage Future Replacement Costs





Repairs vs Replacement – Ainsworth South Drainage Line

- Two new catch basins on Ainsworth might cost \$20,000 but the line also needs replacement
- Due to catch basin size, even temporary traffic rated lids might cost \$10,000
- Catch basins have been barricaded for now and staff is recommending catch basin and line replacement in 2024





Ainsworth South Replacement

- Riondel Drainage is funded from service area assessment taxes
- 204 parcels, average tax per parcel in 2023 was \$76
- Ainsworth south drainage line replacement is anticipated to cost \$152,000 in 2024
- Riondel drainage service projected to have \$36,000 in reserves at year end 2023 with an additional contribution of \$10,000 in 2024.
- \$100,000 in short-term financing would be required for Ainsworth south replacement
- Public have not been supportive of replacement of the drain line with a lower cost swale





System Replacement Funding

- The draft Riondel Drainage 2024 Financial Plan includes a 62.2% increase in parcel tax resulting in an average tax assessment of \$123
- An additional 50% rate increase to \$184 average per parcel is anticipated for 2025 to pay financing costs
- 2025 tax increase will require public approval unless replacement work deemed an emergency
- The required annual contribution reserves is \$32,433 to fund replacements, excluding past due replacements which would need to be funded from existing reserves and financing
- 2024 budgeted contribution to reserves is \$9,967



Committee Report

Date of Report: November 29, 2023
Date & Type of Meeting: December 6, 2023, Water Services Committee
Author: Alexandra Divlakovski, Water Operations Manager
Subject: OPERATIONS MAINTENANCE AND CAPITAL UPDATE
File: 11-5700-01-2023
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 2023.

SECTION 2: BACKGROUND/ANALYSIS

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.

WATER EAST

Arrow Creek

Operations and Maintenance

- Membrane Filter Trains 1, 2 and 3 are currently passing MITs, Fiber repairs for Train 4 are half completed, now that flow demand is much lower Train 4 will remain off until fiber repairs are completed.
- Older Level sensor in Train 3 tank stopped reading properly and would not hold calibration, it needed to be replaced with a new sensor.
- Have had to replace 3 train specific pneumatic valves this year, they control the air flows for performing MITs.
- Recovery Cleans of the UF membranes were completed in early October.
- Intake Pond and Johnson Screen Cleaning was completed in October.
- Maintenance and cleaning of the 2 large globe valves in the reservoir building.

Capital

- Intake Erosion Protection:
 - Repair area of erosion in the concrete in a corner of the intake diversion will be completed in 2024.
- UV Reactor Replacement:
 - UV reactors, controls are ready for shipping, waiting on stainless steel pipe spool sections and fittings being fabricated and delivered.
- Ceramic Filter Concept Study:
 - Contract awarded to Associated Engineering Inc.
 - Kick-off meeting and site visit completed

- Heating/Energy Upgrades:
 - Kick-off meeting completed with consultant (Better Energy Solutions Ltd.)
 - Analysis report to be completed in January 2024, design March 2024

Ongoing Considerations

The Arrow Creek water treatment plant has historically reached maximum emergency rated capacity in high demand months (July-August).

Erickson

Operations and Maintenance

- Repair of a couple of service valve leaks
- 8 service valve turn off/on for line repairs on properties.
- Repaired and replaced service valves to 2 properties on Erickson Road.
- Installed a 1" meter in pit on request and paid for by the property owner on Hwy 3.
- Abandoned an old leaking standpipe on 25th Ave S as it is no longer used.

Capital

- Number and size of meters required for Phase 1 of the metering program has been determined, procurement to commence in January.
- Design for replacing line PN95 along Erickson Road has been awarded. Construction to be completed in 2024.

Ongoing Considerations

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

Lister

Operations and Maintenance

- Well pump running well after jetting and controller repair.
- Further investigation on well condition is ongoing.
- 3 service valve turn off/on for line repairs on properties.
- Contractor removed dead and leaning trees along the Lister Well House Service Road.

Capital

- Procurement of standby power generator in progress.
- Design for replacing line PN13 along Crestview Road has been awarded to WSP Inc., construction to be completed over 2024.

Ongoing Considerations

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

Riondel

Operations and Maintenance

- Some leak detection in various locations, tested water for chlorine, none found, determined to be ground water which is consistent with what residents have stated over the year.

- Excavated and found/replaced a service valve for a service request for a property on Hedley and Eastman
- Replaced a broken service valve rod and box stand to turn off a leaking service line on Campbell.
- Cordoned off 2 old wooden storm sewer basins in the alley off the end of Ainsworth Ave with snow fence and caution tape as the lids and holes that eroded around them present a safety hazard.

Capital

- Procurement of standby power generator in progress.
- Reservoir valve chamber and meter design to be completed in 2024.

Ongoing Considerations

High water demand in the summer months has resulted in issuing conservation measures. The golf course is a large water consumer, and the system would benefit from the golf course securing a separate water source.

Sanca

Operations and Maintenance

- No significant activity.

Capital

- Renewed correspondence between the Regional District and Sanca Creek Beach Resort Cooperative Association regarding potentially disconnecting and/or relocating two northern properties currently serviced by the system.

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

- Replace ribbon cable for UVT analyzer

Capital

- Balfour Wharf Road water main replacement completed

Ongoing Considerations

Metering has reduced consumption and identified customer leakage that was repaired, leading to an overall conservation of approximately 25% from 2019 - 2021. There remains, however, significant system leakage that requires location and repair work.

Burton

Operations and Maintenance

- Fall chlorination and distribution flushing completed
- One new service installed on Lakeview Park road
- Backflow assembly testing completed

Capital

- No capital projects work completed in the reporting period

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

- No significant activity.

Capital

- Installation of water main casings across Highways 3A and Tees/Barnes Road completed, construction/installation of new water main to be completed in 2024.

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

- No significant activity.

Capital

- Procurement of standby power generator in progress.

Ongoing Considerations

Old well abandonment or usage conversion to fire protection completed.

Fauquier

Operations and Maintenance

- Boil Water Notice issue for new water main tie-in.

Capital

- First phase of water main replacement project completed and on-line.

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. Piloting required to assess potential UV transmittance improvement before a UV system can be chosen.

Grandview

Operations and Maintenance

- No significant activity.

Capital

- New pressure reducing valve station installed.

Ongoing Considerations

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

Rosebery

Operations and Maintenance

- No significant activity.

Capital

- No capital projects work completed in the reporting period.

Ongoing Considerations

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

South Slocan

Operations and Maintenance

- No significant activity.

Capital

- No capital projects work completed in the reporting period.

Ongoing Considerations

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

Woodlands

Operations and Maintenance

- No significant activity.

Capital

- No capital projects work completed in the reporting period.

Ongoing Considerations

The new well may offer additional capacity should it be required in the future.

Woodbury

Operations and Maintenance

- Reminder Boil Water Notice issued to users.

Capital

- Construction completed for new WTP, awaiting parts to begin commissioning.

Ongoing Considerations

This system is on a long standing Boil Water Notice due to historical water quality concerns and insufficient treatment.

West Robson

Operations and Maintenance

- Fall distribution system flushing completed

Capital

- Design for replacing line PN01 from the reservoir to Broadwater Road has been awarded. Construction to be completed in 2024.

Ongoing Considerations

Asbestos cement pipe in the distribution system requires replacement.

Ymir

Operations and Maintenance

- No significant activity.

Capital

- Controls upgrade project has begun, awaiting parts for commissioning.
- Installation of reservoir outflow meter planned for spring 2024.

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 2022 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:

Several items in the body of the report help reduced water system leakage which help with capacity issues making water available for other potential users.

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:

To Excel in Governance and Service Delivery.

SECTION 4: OPTIONS & PROS / CONS

None.

SECTION 5: RECOMMENDATIONS

None. For information only.



Respectfully submitted,

Alexandra Divlakovski, Water Operations Manager

CONCURRENCE

ATTACHMENTS: NONE

Regional District of Central Kootenay

Unaudited Service Statement

S165 Drainage-Area A

Period: October 2023

REVENUE

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41010	Requisitions			0	15,464	15,464	0	100%
45000	Transfer from Reserves			0	0	51,000	51,000	0%
49100	Prior Year Surplus			0	2,788	2,787	(1)	100%
Revenue				0	18,252	69,251	50,999	26%

OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries			0	435	2,172	1,737	20%
51020	Overtime			0	0	104	104	0%
51030	Benefits			0	63	565	502	11%
53050	Insurance			0	57	100	43	57%
54030	Contracted Services			0	0	5,000	5,000	0%
54040	Consulting Fees			0	15,459	15,000	(459)	103%
55010	Repairs & Maintenance			0	0	2,000	2,000	0%
Operating Expenses				0	16,013	24,941	8,928	64%

CAPITAL EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures			0	0	36,000	36,000	0%
Capital Expenses				0	0	36,000	36,000	0%

NON-OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve			0	760	760	0	100%
59500	Transfer to Other Service			0	940	1,577	637	60%
59510	Transfer to Other Service - General Admin. Fee			0	300	300	0	100%
59550	Transfer to Other Service - Environmental Services Fee			0	5,673	5,673	0	100%
Non-Operating Expenses				0	7,673	8,310	637	92%

Total Service				0	(5,435)	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S241 Water Utility-Area A (Riondel)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes	0	54,991	54,991	0	100%
42025	Sale of Services - Specified	0	200	0	(200)	0%
42030	User Fees	6	189,363	190,609	1,247	99%
43020	Grants	0	17,191	17,191	(0)	100%
45000	Transfer from Reserves	0	0	160,000	160,000	0%
49100	Prior Year Surplus	0	(5,243)	(5,300)	(57)	99%
Revenue		6	256,502	417,491	160,989	61%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	21,188	36,671	15,483	58%
51020	Overtime	0	1,214	2,118	904	57%
51030	Benefits	6	3,654	9,464	5,810	39%
51050	Employee Health & Safety	0	854	0	(854)	0%
51500	Directors - Allowance & Stipend	101	606	401	(205)	151%
51565	Directors - Mileage	47	234	79	(155)	296%
52010	Travel	0	0	289	289	0%
52020	Education & Training	0	10	212	202	5%
52030	Memberships, Dues & Subscriptions	0	300	312	12	96%
53030	Communication	38	815	1,115	300	73%
53050	Insurance	0	4,024	4,782	758	84%
53080	Licence & Permits	0	414	1,147	733	36%
54030	Contracted Services	977	3,843	9,353	5,510	41%
55010	Repairs & Maintenance	1,321	13,114	5,610	(7,504)	234%
55020	Operating Supplies	528	4,674	4,758	84	98%
55025	Chemicals	3,519	13,066	9,225	(3,841)	142%
55030	Equipment	0	433	0	(433)	0%
55040	Utilities	813	5,745	6,749	1,004	85%
55050	Vehicles	41	1,110	1,553	443	71%
Operating Expenses		7,390	75,300	93,838	18,538	80%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	0	0	160,000	160,000	0%
Capital Expenses		0	0	160,000	160,000	0%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
56010	Debenture Interest	1,838	2,870	3,675	805	78%
56020	Debenture Principal	6,699	6,699	6,699	0	100%
59000	Contribution to Reserve	0	87,895	87,895	(0)	100%
59500	Transfer to Other Service	3,730	5,440	12,236	6,796	44%
59510	Transfer to Other Service - General Admin. Fee	0	13,183	13,183	0	100%
59520	Transfer to Other Service - IT Fee	0	5,516	5,516	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	34,449	34,449	0	100%
Non-Operating Expenses		12,266	156,051	163,653	7,602	95%

Total Service	(19,651)	25,150	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S242 Water Utility-Area A (Sanca Park)

Period: October 2023

REVENUE

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes			0	15,840	15,840	0	100%
42030	User Fees			0	20,783	20,635	(148)	101%
45000	Transfer from Reserves			0	0	40,000	40,000	0%
49100	Prior Year Surplus			0	1,451	1,450	(1)	100%
Revenue				0	38,074	77,925	39,851	49%

OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries			110	1,585	2,063	478	77%
51020	Overtime			0	0	226	226	0%
51030	Benefits			12	169	536	367	32%
51500	Directors - Allowance & Stipend			101	404	403	(1)	100%
51565	Directors - Mileage			47	234	0	(234)	0%
52010	Travel			0	45	79	34	57%
53020	Admin, Office Supplies & Postage			0	500	500	0	100%
53050	Insurance			0	125	256	131	49%
53080	Licence & Permits			0	215	337	122	64%
54010	Legal			0	0	2,000	2,000	0%
54030	Contracted Services			58	1,372	454	(918)	302%
55010	Repairs & Maintenance			145	202	563	361	36%
55020	Operating Supplies			0	0	34	34	0%
55050	Vehicles			0	45	0	(45)	0%
Operating Expenses				473	4,897	7,451	2,554	66%

CAPITAL EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures			0	0	38,000	38,000	0%
Capital Expenses				0	0	38,000	38,000	0%

NON-OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve			0	21,891	21,891	0	100%
59500	Transfer to Other Service			0	0	3,904	3,904	0%
59510	Transfer to Other Service - General Admin. Fee			0	1,982	1,982	0	100%
59550	Transfer to Other Service - Environmental Services Fee			0	4,697	4,697	0	100%
Non-Operating Expenses				0	28,570	32,474	3,904	88%

Total Service				(473)	4,607	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S243 Water Utility-Area B (Lister)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
42025	Sale of Services - Specified	0	10,259	0	(10,259)	0%
42030	User Fees	2,719	216,358	219,802	3,444	98%
43020	Grants	0	33,892	33,892	(0)	100%
45000	Transfer from Reserves	0	0	251,000	251,000	0%
45500	Transfer from Other Service	0	0	1,067	1,067	0%
49100	Prior Year Surplus	0	12,185	12,835	650	95%
Revenue		2,719	272,695	518,596	245,901	53%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	9,618	21,489	11,871	45%
51020	Overtime	0	54	226	172	24%
51030	Benefits	6	2,117	5,587	3,470	38%
51050	Employee Health & Safety	0	0	312	312	0%
51500	Directors - Allowance & Stipend	202	909	904	(5)	101%
53020	Admin, Office Supplies & Postage	0	0	67	67	0%
53030	Communication	0	275	541	266	51%
53050	Insurance	0	1,090	1,571	481	69%
53080	Licence & Permits	0	624	1,251	627	50%
54030	Contracted Services	176	18,286	5,824	(12,462)	314%
55010	Repairs & Maintenance	361	6,572	2,251	(4,321)	292%
55020	Operating Supplies	0	868	563	(305)	154%
55025	Chemicals	2,514	4,116	5,200	1,084	79%
55030	Equipment	0	89	225	136	40%
55040	Utilities	843	3,527	4,920	1,393	72%
55050	Vehicles	0	390	991	601	39%
Operating Expenses		4,102	48,534	51,922	3,388	93%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	0	0	250,000	250,000	0%
Capital Expenses		0	0	250,000	250,000	0%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve	0	83,261	83,261	(0)	100%
59500	Transfer to Other Service	0	3,520	22,770	19,250	15%
59510	Transfer to Other Service - General Admin. Fee	0	10,076	10,076	0	100%
59520	Transfer to Other Service - IT Fee	0	5,516	5,516	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	95,051	95,051	0	100%
Non-Operating Expenses		0	197,424	216,674	19,250	91%

Total Service		(1,382)	26,736	0		
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Regional District of Central Kootenay

Unaudited Service Statement

S244 Water Utility-Area G (Ymir)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes	0	44,000	44,000	0	100%
42030	User Fees	0	74,557	73,148	(1,409)	102%
43030	Community Works Grants (Internal)	0	2,600	60,000	57,400	4%
43505	External Contributions & Contracts - Specified	0	6,120	6,120	0	100%
45000	Transfer from Reserves	0	0	32,000	32,000	0%
49100	Prior Year Surplus	0	(5,153)	(5,253)	(100)	98%
Revenue		0	122,124	210,015	87,891	58%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	11,784	16,379	4,595	72%
51020	Overtime	0	65	762	697	9%
51030	Benefits	0	2,085	4,259	2,174	49%
51050	Employee Health & Safety	0	0	567	567	0%
51500	Directors - Allowance & Stipend	202	1,010	1,004	(6)	101%
51565	Directors - Mileage	42	84	0	(84)	0%
52010	Travel	0	0	142	142	0%
52030	Memberships, Dues & Subscriptions	0	250	416	166	60%
53020	Admin, Office Supplies & Postage	0	0	69	69	0%
53030	Communication	70	825	1,061	236	78%
53050	Insurance	0	994	1,543	549	64%
53080	Licence & Permits	0	302	644	342	47%
54030	Contracted Services	645	5,080	7,095	2,015	72%
55010	Repairs & Maintenance	0	1,222	9,917	8,695	12%
55020	Operating Supplies	136	2,702	10,832	8,130	25%
55025	Chemicals	0	1,835	2,467	632	74%
55030	Equipment	0	0	134	134	0%
55040	Utilities	0	3,542	7,178	3,636	49%
55060	Rentals	0	0	73	73	0%
Operating Expenses		1,095	31,778	64,542	32,764	49%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	11,023	55,516	92,000	36,484	60%
Capital Expenses		11,023	55,516	92,000	36,484	60%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve	0	6,049	6,049	0	100%
59500	Transfer to Other Service	0	0	11,605	11,605	0%
59510	Transfer to Other Service - General Admin. Fee	0	7,192	7,192	0	100%
59520	Transfer to Other Service - IT Fee	0	5,516	5,516	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	23,111	23,111	0	100%
Non-Operating Expenses		0	41,868	53,473	11,605	78%

Total Service	(12,118)	(7,038)	0		
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Regional District of Central Kootenay

Unaudited Service Statement

S245 Water Utility-Area H (South Slokan)

Period: October 2023

REVENUE

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes			0	13,884	13,884	0	100%
42030	User Fees			(48)	106,649	105,906	(743)	101%
45000	Transfer from Reserves			0	0	5,841	5,841	0%
49100	Prior Year Surplus			0	6,215	5,226	(989)	119%
Revenue				(48)	126,748	130,857	4,109	97%

OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries			0	10,117	16,395	6,278	62%
51020	Overtime			0	674	997	323	68%
51030	Benefits			0	1,811	4,263	2,452	42%
51050	Employee Health & Safety			0	0	89	89	0%
51500	Directors - Allowance & Stipend			101	404	504	100	80%
51565	Directors - Mileage			20	40	0	(40)	0%
52030	Memberships, Dues & Subscriptions			0	50	100	50	50%
53020	Admin, Office Supplies & Postage			0	16	31	15	51%
53030	Communication			80	867	1,075	208	81%
53050	Insurance			0	1,349	2,422	1,073	56%
53080	Licence & Permits			0	206	546	340	38%
54030	Contracted Services			729	2,087	4,501	2,414	46%
55010	Repairs & Maintenance			0	5,122	7,526	2,404	68%
55020	Operating Supplies			10	2,790	8,741	5,951	32%
55025	Chemicals			0	1,074	979	(95)	110%
55030	Equipment			0	10	0	(10)	0%
55040	Utilities			203	1,466	1,966	500	75%
Operating Expenses				1,143	28,083	50,135	22,052	56%

CAPITAL EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
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NON-OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
56010	Debenture Interest			1,500	2,287	2,999	712	76%
56020	Debenture Principal			4,725	4,725	5,712	987	83%
59000	Contribution to Reserve			0	25,154	25,154	0	100%
59500	Transfer to Other Service			0	0	10,838	10,838	0%
59510	Transfer to Other Service - General Admin. Fee			0	5,214	5,214	0	100%
59520	Transfer to Other Service - IT Fee			0	5,516	5,516	0	100%
59550	Transfer to Other Service - Environmental Services Fee			0	25,289	25,289	0	100%
Non-Operating Expenses				6,224	68,185	80,722	12,537	84%

Total Service				(7,415)	30,480	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S246 Water Utility-Area D (Macdonald Creek)

Period: October 2023

REVENUE

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41010	Requisitions			0	6,242	6,242	0	100%
41015	Parcel Taxes			0	25,023	25,023	0	100%
45000	Transfer from Reserves			0	0	62,000	62,000	0%
49100	Prior Year Surplus			0	(481)	(481)	0	100%
Revenue				0	30,784	92,784	62,000	33%

OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries			0	34	500	466	7%
51030	Benefits			0	39	24	(15)	161%
51500	Directors - Allowance & Stipend			101	606	401	(205)	151%
51565	Directors - Mileage			0	71	133	62	54%
53050	Insurance			0	88	103	15	85%
54030	Contracted Services			0	0	42,000	42,000	0%
Operating Expenses				101	838	43,161	42,323	2%

CAPITAL EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures			0	0	20,000	20,000	0%
Capital Expenses				0	0	20,000	20,000	0%

NON-OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
56010	Debenture Interest			1,247	1,906	2,493	587	76%
56020	Debenture Principal			0	8,457	8,457	(0)	100%
59000	Contribution to Reserve			0	14,338	14,338	0	100%
59500	Transfer to Other Service			0	0	1,476	1,476	0%
59510	Transfer to Other Service - General Admin. Fee			0	125	125	0	100%
59550	Transfer to Other Service - Environmental Services Fee			0	2,734	2,734	0	100%
Non-Operating Expenses				1,247	27,560	29,623	2,063	93%

Total Service				(1,348)	2,386	0		
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Regional District of Central Kootenay

Unaudited Service Statement

S247 Water Utility-Area J (Lucas Road)

Period: October 2023

REVENUE

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes			0	4,200	4,200	0	100%
42030	User Fees			3,078	7,532	10,035	2,503	75%
49100	Prior Year Surplus			0	3,086	2,508	(578)	123%
Revenue				3,078	14,819	16,743	1,924	89%

OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries			0	892	1,253	361	71%
51030	Benefits			6	175	326	151	54%
51500	Directors - Allowance & Stipend			101	404	401	(3)	101%
51565	Directors - Mileage			0	56	0	(56)	0%
53050	Insurance			0	98	114	16	86%
54030	Contracted Services			0	0	541	541	0%
55010	Repairs & Maintenance			0	19	809	790	2%
55020	Operating Supplies			0	7	0	(7)	0%
55040	Utilities			0	1,058	2,606	1,548	41%
Operating Expenses				107	2,709	6,050	3,341	45%

CAPITAL EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
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NON-OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve			0	5,509	5,509	0	100%
59500	Transfer to Other Service			0	0	2,182	2,182	0%
59510	Transfer to Other Service - General Admin. Fee			0	817	817	0	100%
59550	Transfer to Other Service - Environmental Services Fee			0	2,185	2,185	0	100%
Non-Operating Expenses				0	8,511	10,693	2,182	80%

Total Service				2,971	3,599	0		
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Regional District of Central Kootenay

Unaudited Service Statement

S248 Water Utility-Area F (Duhamel Creek)

Period: October 2023

REVENUE

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes			0	22,080	22,080	0	100%
42025	Sale of Services - Specified			1,845	1,845	0	(1,845)	0%
42030	User Fees			0	80,595	81,309	714	99%
43020	Grants			0	84,624	84,624	0	100%
43030	Community Works Grants (Internal)			0	0	150,000	150,000	0%
45000	Transfer from Reserves			0	0	280,000	280,000	0%
49100	Prior Year Surplus			0	10,090	10,089	(1)	100%
Revenue				1,845	199,234	628,102	428,868	32%

OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries			0	6,618	11,686	5,068	57%
51020	Overtime			0	204	1,303	1,099	16%
51030	Benefits			0	1,153	3,298	2,145	35%
51500	Directors - Allowance & Stipend			101	404	502	98	80%
51565	Directors - Mileage			9	27	0	(27)	0%
53030	Communication			0	212	416	204	51%
53050	Insurance			0	993	1,682	689	59%
53080	Licence & Permits			0	347	832	485	42%
54030	Contracted Services			0	1,870	3,444	1,574	54%
55010	Repairs & Maintenance			0	781	4,002	3,221	20%
55020	Operating Supplies			0	0	92	92	0%
55030	Equipment			0	31	0	(31)	0%
55040	Utilities			0	3,833	4,546	713	84%
55060	Rentals			0	0	159	159	0%
Operating Expenses				110	16,474	31,962	15,488	52%

CAPITAL EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures			48,875	183,896	430,000	246,104	43%
Capital Expenses				48,875	183,896	430,000	246,104	43%

NON-OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve			0	135,036	135,036	0	100%
59500	Transfer to Other Service			0	4,730	8,869	4,139	53%
59510	Transfer to Other Service - General Admin. Fee			0	5,455	5,455	0	100%
59550	Transfer to Other Service - Environmental Services Fee			0	16,780	16,780	0	100%
Non-Operating Expenses				0	162,001	166,140	4,139	98%

Total Service				(47,140)	(163,137)	0		
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Regional District of Central Kootenay

Unaudited Service Statement

S250 Water Utility-Area B (Erickson)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
42025	Sale of Services - Specified	0	9,976	0	(9,976)	0%
42030	User Fees	5,572	1,546,336	1,527,967	(18,369)	101%
43020	Grants	0	90,811	90,811	0	100%
43030	Community Works Grants (Internal)	0	0	600,000	600,000	0%
45000	Transfer from Reserves	0	0	265,000	265,000	0%
45500	Transfer from Other Service	0	0	14,284	14,284	0%
49100	Prior Year Surplus	0	91,629	96,286	4,657	95%
Revenue		5,572	1,738,751	2,594,348	855,597	67%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	24,450	86,518	62,068	28%
51020	Overtime	0	1,172	1,661	489	71%
51030	Benefits	6	5,560	22,495	16,935	25%
51050	Employee Health & Safety	0	0	563	563	0%
51500	Directors - Allowance & Stipend	202	909	803	(106)	113%
51560	Directors - Travel	0	0	159	159	0%
52030	Memberships, Dues & Subscriptions	0	200	208	8	96%
53020	Admin, Office Supplies & Postage	0	0	683	683	0%
53040	Advertising	0	628	0	(628)	0%
53050	Insurance	422	5,280	4,680	(600)	113%
53080	Licence & Permits	0	2,458	3,244	786	76%
54010	Legal	0	0	10,000	10,000	0%
54030	Contracted Services	12,303	31,817	33,758	1,941	94%
55010	Repairs & Maintenance	1,967	29,208	45,012	15,804	65%
55020	Operating Supplies	0	2,254	3,376	1,122	67%
55025	Chemicals	0	0	2,858	2,858	0%
55030	Equipment	0	277	5,200	4,923	5%
55040	Utilities	136	1,906	1,736	(170)	110%
55050	Vehicles	0	1,109	2,878	1,769	39%
55060	Rentals	0	0	441	441	0%
Operating Expenses		15,037	107,229	226,273	119,044	47%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	1,208	6,660	850,000	843,340	1%
Capital Expenses		1,208	6,660	850,000	843,340	1%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
56110	Short-Term Financing Interest	1,190	11,317	10,038	(1,279)	113%
56120	Short-Term Financing Principal	0	76,129	76,129	0	100%
59000	Contribution to Reserve	(600,000)	260,040	560,040	300,000	46%
59500	Transfer to Other Service	0	2,200	677,316	675,116	0%
59510	Transfer to Other Service - General Admin. Fee	0	36,998	36,998	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	157,554	157,554	0	100%
Non-Operating Expenses		(598,810)	544,238	1,518,075	973,837	36%

Total Service		588,138	1,080,624	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S251 Water Utility-Area B (Arrow Creek)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
42030	User Fees	0	0	769,996	769,996	0%
42035	User Fees - Specified	0	769,996	0	(769,996)	0%
45000	Transfer from Reserves	0	0	610,000	610,000	0%
45500	Transfer from Other Service	0	0	625,124	625,124	0%
49100	Prior Year Surplus	0	(36,295)	(25,494)	10,801	142%
Revenue		0	733,701	1,979,626	1,245,925	37%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	65,775	125,280	59,505	53%
51020	Overtime	0	3,099	4,028	929	77%
51030	Benefits	1,299	27,264	41,342	14,078	66%
51050	Employee Health & Safety	0	0	416	416	0%
51500	Directors - Allowance & Stipend	0	1,212	1,693	481	72%
51560	Directors - Travel	202	202	28	(174)	721%
51565	Directors - Mileage	0	842	0	(842)	0%
52010	Travel	0	0	43	43	0%
52030	Memberships, Dues & Subscriptions	0	200	208	8	96%
53020	Admin, Office Supplies & Postage	0	0	73	73	0%
53030	Communication	175	2,023	2,850	827	71%
53040	Advertising	0	230	0	(230)	0%
53050	Insurance	422	15,216	37,440	22,224	41%
53080	Licence & Permits	98	118	441	323	27%
54010	Legal	0	0	7,000	7,000	0%
54030	Contracted Services	668	20,015	28,828	8,813	69%
54040	Consulting Fees	0	1,500	0	(1,500)	0%
55010	Repairs & Maintenance	736	18,071	26,477	8,406	68%
55020	Operating Supplies	1,049	13,956	10,655	(3,301)	131%
55025	Chemicals	14,937	66,616	66,660	44	100%
55030	Equipment	0	956	5,558	4,602	17%
55035	Radio Equipment	0	234	0	(234)	0%
55040	Utilities	10,888	78,543	111,775	33,232	70%
55050	Vehicles	0	390	312	(78)	125%
55060	Rentals	0	38	1,040	1,002	4%
Operating Expenses		30,474	316,500	472,147	155,647	67%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	1,140	177,716	610,000	432,284	29%
Capital Expenses		1,140	177,716	610,000	432,284	29%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
56010	Debenture Interest	41,281	64,265	82,562	18,297	78%
56020	Debenture Principal	62,169	83,121	83,121	(0)	100%
59000	Contribution to Reserve	300,000	450,000	450,000	0	100%
59500	Transfer to Other Service	0	0	52,865	52,865	0%
59510	Transfer to Other Service - General Admin. Fee	0	22,826	22,826	0	100%
59520	Transfer to Other Service - IT Fee	0	11,032	11,032	0	100%
59550	Transfer to Other Service - Environmental Services Fee	(36,861)	158,212	195,073	36,861	81%
Non-Operating Expenses		366,589	789,457	897,479	108,022	88%

Total Service	(398,203)	(549,971)	0		
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Regional District of Central Kootenay

Unaudited Service Statement

S252 Water Utility-Area K (Burton)

Period: October 2023

REVENUE

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes			26,080	41,576	42,191	616	99%
42030	User Fees			150	80,563	76,066	(4,497)	106%
43020	Grants			0	72,715	72,715	0	100%
43100	Proceeds from Borrowing			0	0	200,000	200,000	0%
44010	Penalties & Fees			0	592	0	(592)	0%
45000	Transfer from Reserves			0	0	347,000	347,000	0%
49100	Prior Year Surplus			0	15,026	15,026	(0)	100%
Revenue				26,230	210,472	752,998	542,526	28%

OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries			0	3,409	3,452	43	99%
51020	Overtime			0	564	111	(453)	508%
51030	Benefits			4	755	898	143	84%
51500	Directors - Allowance & Stipend			67	336	267	(69)	126%
52010	Travel			0	487	331	(156)	147%
53020	Admin, Office Supplies & Postage			0	0	56	56	0%
53030	Communication			37	371	567	196	65%
53050	Insurance			0	937	1,196	259	78%
53080	Licence & Permits			0	299	676	377	44%
54030	Contracted Services			2,888	21,306	24,840	3,534	86%
55010	Repairs & Maintenance			0	35	2,896	2,861	1%
55025	Chemicals			0	104	225	121	46%
55030	Equipment			0	0	112	112	0%
55040	Utilities			1,191	4,879	9,539	4,660	51%
Operating Expenses				4,188	33,482	45,166	11,684	74%

CAPITAL EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures			0	47,259	544,000	496,741	9%
Capital Expenses				0	47,259	544,000	496,741	9%

NON-OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve			0	128,334	128,334	0	100%
59500	Transfer to Other Service			0	0	4,729	4,729	0%
59510	Transfer to Other Service - General Admin. Fee			0	4,035	4,035	0	100%
59520	Transfer to Other Service - IT Fee			0	1,875	1,875	0	100%
59550	Transfer to Other Service - Environmental Services Fee			0	24,859	24,859	0	100%
Non-Operating Expenses				0	159,103	163,832	4,729	97%

Total Service				22,042	(29,372)	0		
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Regional District of Central Kootenay

Unaudited Service Statement

S253 Water Utility-Area K (Edgewood)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes	37,668	48,479	49,069	590	99%
42030	User Fees	0	150,511	148,895	(1,616)	101%
43020	Grants	0	10,754	10,754	0	100%
45000	Transfer from Reserves	0	0	97,000	97,000	0%
49100	Prior Year Surplus	0	12,071	9,647	(2,424)	125%
Revenue		37,668	221,813	315,365	93,552	70%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	2,836	2,993	157	95%
51020	Overtime	0	597	354	(243)	169%
51030	Benefits	4	649	778	129	83%
51500	Directors - Allowance & Stipend	67	334	266	(68)	126%
52010	Travel	0	71	128	57	56%
53030	Communication	98	952	1,242	290	77%
53050	Insurance	0	1,274	1,604	330	79%
53080	Licence & Permits	0	399	1,202	803	33%
54030	Contracted Services	2,083	19,398	32,122	12,724	60%
55010	Repairs & Maintenance	0	1,382	1,655	273	84%
55020	Operating Supplies	0	0	55	55	0%
55030	Equipment	0	0	55	55	0%
55040	Utilities	29	4,734	7,381	2,647	64%
Operating Expenses		2,281	32,626	49,835	17,209	65%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	0	25,385	97,000	71,615	26%
Capital Expenses		0	25,385	97,000	71,615	26%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
56110	Short-Term Financing Interest	615	5,867	6,209	342	94%
56120	Short-Term Financing Principal	0	43,883	43,883	0	100%
59000	Contribution to Reserve	0	75,319	75,319	0	100%
59500	Transfer to Other Service	0	1,000	8,019	7,019	12%
59510	Transfer to Other Service - General Admin. Fee	0	5,875	5,875	0	100%
59520	Transfer to Other Service - IT Fee	0	1,820	1,820	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	27,405	27,405	0	100%
Non-Operating Expenses		615	161,169	168,530	7,361	96%

Total Service		34,771	2,633	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S254 Water Utility-Area K (Fauquier)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes	28,037	54,992	54,987	(5)	100%
42030	User Fees	1,035	145,793	147,216	1,423	99%
43020	Grants	0	55,931	55,931	0	100%
45000	Transfer from Reserves	0	0	416,215	416,215	0%
49100	Prior Year Surplus	0	14,526	14,530	4	100%
Revenue		29,072	271,242	688,879	417,637	39%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	1,144	8,357	7,213	14%
51020	Overtime	0	0	332	332	0%
51030	Benefits	4	275	2,173	1,898	13%
51500	Directors - Allowance & Stipend	69	340	336	(4)	101%
52010	Travel	0	120	641	521	19%
52030	Memberships, Dues & Subscriptions	0	300	0	(300)	0%
53020	Admin, Office Supplies & Postage	0	0	165	165	0%
53030	Communication	0	211	857	646	25%
53050	Insurance	0	2,643	4,570	1,927	58%
53080	Licence & Permits	0	401	516	115	78%
54030	Contracted Services	3,120	25,888	44,587	18,699	58%
55010	Repairs & Maintenance	0	1,585	9,914	8,329	16%
55020	Operating Supplies	136	601	517	(84)	116%
55025	Chemicals	0	6,342	10,065	3,723	63%
55030	Equipment	0	29	520	491	6%
55040	Utilities	231	5,842	9,941	4,099	59%
55060	Rentals	0	234	390	156	60%
Operating Expenses		3,559	45,956	93,881	47,925	49%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	80,833	81,193	416,215	335,023	20%
Capital Expenses		80,833	81,193	416,215	335,023	20%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve	0	107,145	107,145	0	100%
59500	Transfer to Other Service	0	3,290	11,950	8,660	28%
59510	Transfer to Other Service - General Admin. Fee	0	7,328	7,328	0	100%
59520	Transfer to Other Service - IT Fee	0	5,516	5,516	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	46,844	46,844	0	100%
Non-Operating Expenses		0	170,123	178,783	8,660	95%

Total Service		(55,320)	(26,030)	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S255 Water Utility-Area E (Balfour)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes	0	101,088	100,380	(708)	101%
42025	Sale of Services - Specified	0	64,070	48,000	(16,070)	133%
42030	User Fees	87,683	215,838	286,726	70,888	75%
42040	Rental Income	0	4,058	5,411	1,353	75%
43020	Grants	0	95,469	95,469	(0)	100%
43030	Community Works Grants (Internal)	0	0	150,000	150,000	0%
43100	Proceeds from Borrowing	0	0	100,000	100,000	0%
45000	Transfer from Reserves	0	0	544,400	544,400	0%
45500	Transfer from Other Service	0	641	1,447	806	44%
49100	Prior Year Surplus	31,198	(62,100)	(123,392)	(61,292)	50%
Revenue		118,880	419,065	1,208,441	789,376	35%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	19,900	40,137	20,237	50%
51020	Overtime	0	245	2,207	1,962	11%
51030	Benefits	6	3,169	10,436	7,267	30%
51050	Employee Health & Safety	0	0	312	312	0%
51500	Directors - Allowance & Stipend	101	505	504	(1)	100%
52010	Travel	0	0	55	55	0%
52030	Memberships, Dues & Subscriptions	0	400	416	16	96%
53020	Admin, Office Supplies & Postage	0	0	208	208	0%
53030	Communication	112	1,412	2,028	616	70%
53050	Insurance	0	3,425	3,746	321	91%
53080	Licence & Permits	0	416	1,134	718	37%
54030	Contracted Services	2,120	11,193	12,510	1,317	89%
55010	Repairs & Maintenance	5,188	19,400	4,501	(14,899)	431%
55020	Operating Supplies	0	4,121	8,421	4,300	49%
55025	Chemicals	(80)	6,167	6,790	623	91%
55030	Equipment	0	0	1,125	1,125	0%
55040	Utilities	2,586	15,162	19,760	4,598	77%
55060	Rentals	0	0	389	389	0%
Operating Expenses		10,033	85,516	114,679	29,163	75%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	12,861	800,309	758,940	(41,369)	105%
Capital Expenses		12,861	800,309	758,940	(41,369)	105%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
56010	Debenture Interest	2,654	3,999	5,308	1,309	75%
56020	Debenture Principal	18,800	18,800	18,800	(0)	100%
59000	Contribution to Reserve	0	206,330	206,330	(0)	100%
59500	Transfer to Other Service	0	7,222	32,475	25,253	22%
59510	Transfer to Other Service - General Admin. Fee	0	16,833	16,833	0	100%
59520	Transfer to Other Service - IT Fee	0	5,516	5,516	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	49,560	49,560	0	100%
Non-Operating Expenses		21,454	308,261	334,822	26,561	92%

Total Service		74,533	(775,021)	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S256 Water Utility-Area J (West Robson)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes	13,890	16,284	11,933	(4,351)	136%
42030	User Fees	780	85,364	84,720	(644)	101%
43020	Grants	0	83,637	83,637	0	100%
45000	Transfer from Reserves	0	0	534,400	534,400	0%
49100	Prior Year Surplus	0	(7,146)	(7,146)	0	100%
Revenue		14,670	178,139	707,544	529,405	25%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	9,263	14,653	5,390	63%
51020	Overtime	0	426	454	28	94%
51030	Benefits	6	1,662	3,810	2,148	44%
51500	Directors - Allowance & Stipend	101	404	403	(1)	100%
51565	Directors - Mileage	0	56	0	(56)	0%
53030	Communication	127	1,401	1,655	254	85%
53050	Insurance	0	908	1,456	548	62%
53080	Licence & Permits	0	150	171	21	88%
54030	Contracted Services	1,159	1,199	4,757	3,558	25%
55010	Repairs & Maintenance	26	35,101	40,043	4,942	88%
55020	Operating Supplies	0	90	220	130	41%
55025	Chemicals	0	0	49	49	0%
55030	Equipment	0	159	0	(159)	0%
55040	Utilities	819	5,149	6,375	1,226	81%
Operating Expenses		2,238	55,968	74,046	18,078	76%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	0	3,940	500,000	496,060	1%
Capital Expenses		0	3,940	500,000	496,060	1%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve	0	87,673	87,673	0	100%
59500	Transfer to Other Service	0	2,970	15,194	12,224	20%
59510	Transfer to Other Service - General Admin. Fee	0	6,654	6,654	0	100%
59520	Transfer to Other Service - IT Fee	0	1,820	1,820	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	22,157	22,157	0	100%
Non-Operating Expenses		0	121,274	133,498	12,224	91%

Total Service		12,432	(3,043)	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S257 Water Utility-Area F (Woodland Heights)

Period: October 2023

REVENUE

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes			0	6,993	6,986	(7)	100%
42030	User Fees			0	33,462	31,946	(1,516)	105%
45000	Transfer from Reserves			0	0	10,000	10,000	0%
49100	Prior Year Surplus			0	(77,098)	146	77,244	-52807%
Revenue				0	(36,643)	49,078	85,721	-75%

OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries			0	3,452	7,308	3,856	47%
51020	Overtime			0	136	554	418	25%
51030	Benefits			0	607	1,900	1,293	32%
51500	Directors - Allowance & Stipend			101	404	504	100	80%
51565	Directors - Mileage			9	27	0	(27)	0%
53030	Communication			0	300	650	350	46%
53050	Insurance			0	461	618	157	75%
53080	Licence & Permits			0	199	557	358	36%
54030	Contracted Services			93	623	1,745	1,122	36%
55010	Repairs & Maintenance			0	41	649	608	6%
55020	Operating Supplies			0	147	111	(36)	133%
55025	Chemicals			0	193	495	302	39%
55040	Utilities			546	1,734	2,207	473	79%
Operating Expenses				750	8,323	17,298	8,975	48%

CAPITAL EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures			0	7,490	10,000	2,510	75%
Capital Expenses				0	7,490	10,000	2,510	75%

NON-OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve			0	7,674	7,674	0	100%
59500	Transfer to Other Service			0	0	5,829	5,829	0%
59510	Transfer to Other Service - General Admin. Fee			0	2,665	2,665	0	100%
59550	Transfer to Other Service - Environmental Services Fee			0	5,612	5,612	0	100%
Non-Operating Expenses				0	15,951	21,780	5,829	73%

Total Service				(750)	(68,407)	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S258 Water Utility-Area E (Grandview)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes	0	17,160	17,160	0	100%
42025	Sale of Services - Specified	0	9,900	0	(9,900)	0%
42030	User Fees	12,961	56,704	70,085	13,381	81%
45000	Transfer from Reserves	0	0	22,828	22,828	0%
49100	Prior Year Surplus	0	(15,675)	(17,612)	(1,937)	89%
Revenue		12,961	68,089	92,461	24,372	74%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	9,585	11,838	2,253	81%
51020	Overtime	0	206	602	396	34%
51030	Benefits	6	1,634	3,078	1,444	53%
51050	Employee Health & Safety	0	0	45	45	0%
51500	Directors - Allowance & Stipend	101	505	502	(3)	101%
52030	Memberships, Dues & Subscriptions	0	200	208	8	96%
53020	Admin, Office Supplies & Postage	0	32	4	(28)	790%
53030	Communication	80	869	1,144	275	76%
53050	Insurance	0	1,485	2,552	1,067	58%
53080	Licence & Permits	0	202	203	1	99%
54030	Contracted Services	652	3,779	3,746	(33)	101%
55010	Repairs & Maintenance	305	11,118	8,000	(3,118)	139%
55020	Operating Supplies	2	1,458	1,000	(458)	146%
55025	Chemicals	0	968	596	(372)	162%
55040	Utilities	896	4,882	5,984	1,102	82%
Operating Expenses		2,042	36,923	39,502	2,579	93%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	12,000	12,128	12,000	(128)	101%
Capital Expenses		12,000	12,128	12,000	(128)	101%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve	0	941	941	0	100%
59500	Transfer to Other Service	0	536	9,994	9,458	5%
59510	Transfer to Other Service - General Admin. Fee	0	6,517	6,517	0	100%
59520	Transfer to Other Service - IT Fee	0	5,516	5,516	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	17,991	17,991	0	100%
Non-Operating Expenses		0	31,501	40,959	9,458	77%

Total Service	(1,081)	(12,464)	(0)		
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Regional District of Central Kootenay

Unaudited Service Statement

S259 Water Utility-Area D (Woodbury)

Period: October 2023

REVENUE

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes	0	17,466	17,466	0	100%
42030	User Fees	0	38,181	37,486	(695)	102%
43020	Grants	0	49,976	49,976	0	100%
43025	Grants - Specified	0	0	284,322	284,322	0%
43030	Community Works Grants (Internal)	0	1,750	0	(1,750)	0%
45000	Transfer from Reserves	0	0	27,000	27,000	0%
49100	Prior Year Surplus	0	50,590	49,372	(1,218)	102%
Revenue		0	157,963	465,622	307,659	34%

OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries	0	2,244	8,352	6,108	27%
51020	Overtime	0	0	217	217	0%
51030	Benefits	0	403	2,172	1,769	19%
51500	Directors - Allowance & Stipend	101	404	403	(1)	100%
51565	Directors - Mileage	0	71	133	62	54%
53020	Admin, Office Supplies & Postage	0	16	0	(16)	0%
53030	Communication	0	0	541	541	0%
53050	Insurance	0	595	1,983	1,389	30%
53080	Licence & Permits	0	190	676	486	28%
54010	Legal	13,476	13,476	14,500	1,024	93%
54030	Contracted Services	346	692	1,190	498	58%
55010	Repairs & Maintenance	0	550	1,082	532	51%
55020	Operating Supplies	0	167	1,072	905	16%
55025	Chemicals	0	43	595	552	7%
55040	Utilities	368	1,596	2,380	784	67%
Operating Expenses		14,291	20,447	35,296	14,849	58%

CAPITAL EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
60000	Capital Expenditures	1,230	130,438	342,437	211,999	38%
Capital Expenses		1,230	130,438	342,437	211,999	38%

NON-OPERATING EXPENSES

Account	Workorder	Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve	0	53,938	53,938	0	100%
59500	Transfer to Other Service	0	1,870	14,901	13,031	13%
59510	Transfer to Other Service - General Admin. Fee	0	4,256	4,256	0	100%
59550	Transfer to Other Service - Environmental Services Fee	0	14,794	14,794	0	100%
Non-Operating Expenses		0	74,858	87,889	13,031	85%

Total Service		(15,521)	(67,781)	0		
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Regional District of Central Kootenay

Unaudited Service Statement

S260 Water Utility-Area H (Rosebery)

Period: October 2023

REVENUE

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
41015	Parcel Taxes			0	6,280	6,280	0	100%
42025	Sale of Services - Specified			0	4,037	0	(4,037)	0%
42030	User Fees			0	24,160	23,741	(419)	102%
49100	Prior Year Surplus			0	(801)	(803)	(2)	100%
Revenue				0	33,676	29,218	(4,458)	115%

OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
51010	Salaries			0	6,351	4,695	(1,656)	135%
51020	Overtime			0	376	111	(265)	338%
51030	Benefits			0	1,134	1,221	87	93%
51500	Directors - Allowance & Stipend			101	606	504	(102)	120%
51565	Directors - Mileage			20	40	0	(40)	0%
53030	Communication			0	193	416	223	46%
53050	Insurance			0	420	748	328	56%
53080	Licence & Permits			0	19	165	146	11%
54030	Contracted Services			329	1,939	976	(963)	199%
55010	Repairs & Maintenance			0	2,318	1,166	(1,152)	199%
55020	Operating Supplies			0	147	90	(57)	163%
55025	Chemicals			0	264	199	(65)	133%
55040	Utilities			354	1,221	1,776	555	69%
Operating Expenses				804	15,027	12,067	(2,960)	125%

CAPITAL EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
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NON-OPERATING EXPENSES

Account		Workorder		Current Month	Year To Date Actuals	Total Year Budget	Budget Remaining	Budget Utilization
59000	Contribution to Reserve			0	2,082	2,082	0	100%
59500	Transfer to Other Service			0	0	8,110	8,110	0%
59510	Transfer to Other Service - General Admin. Fee			0	2,006	2,006	0	100%
59550	Transfer to Other Service - Environmental Services Fee			0	4,953	4,953	0	100%
Non-Operating Expenses				0	9,041	17,151	8,110	53%

Total Service				(804)	9,609	(0)		
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Regional District of Central Kootenay

V-P2

Version P2 - Issued for Water Services Committee Meeting

S248 Water Utility-Area F (Duhamel Creek)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

		No.		2023	2024	2025	2026	2027	2028
	Active Accounts	93							
	Service Charges % Increase			15%	15%	5%	5%	5%	5%
	DUH-COMMERCIAL- SHORT TERM ACCOMODATION	0	753	866	866	909	955	1,002	1,052
	DUH-DWELLING-MULTI FAM-ADDITIONAL DWELL	13	753	866	866	909	955	1,002	1,052
	DUH-DWELLING-MULTI FAMILY-FIRST DWELLING	11	753	866	866	909	955	1,002	1,052
	DUH-DWELLING-SINGLE FAMILY	81	753	866	866	909	955	1,002	1,052
	Metered Rate								
	Base Charge		76		87	92	96	101	106
	Metered Consumption		1.14		1.31	1.37	1.44	1.52	1.59
	Parcel Tax % Increase		15%	15%	15%	15%	11.7%	15.0%	
	Parcel Taxes	96	230	265	304	350		391	449
	Total								

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41015	Parcel Taxes		19,200	19,200	19,200	19,200	22,080	22,080	22,080	25,392	29,201	33,581	37,510	43,136
42020	Sale of Services													
42025	Sale of Services - Specified				432	432								
42030	User Fees		54,638	61,481	70,501	62,207	81,309	80,595	80,595	90,908	95,453	100,226	105,237	110,499
43020	Grants						84,624	84,624	84,624					
43030	Community Works Grants (Internal)			50,000		50,000	150,000	0	150,000					
43100	Proceeds from Borrowing									150,000				
45000	Transfer from Reserves		29,119	30,000	7,609	22,243	280,000	0	35,000	410,000	20,000	0	0	0
49100	Prior Year Surplus		(10,203)	(1,470)	5,275	(2,133)	10,089	10,090	10,090	9,431	0	0	0	0
Revenue			92,754	159,211	103,018	151,949	628,102	197,389	382,389	685,731	144,654	133,807	142,747	153,635

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010	Salaries		14,781	8,596	7,115	10,164	8,686	6,618	8,825	9,225	9,594	9,785	9,981	10,181
51010	- leak detection						1,000		0	1,000				
51010	- capital project coordination						2,000		0	2,000				
51020	Overtime		1,570	628	60	752	1,303	204	272	1,384	1,439	1,468	1,497	1,527
51030	Benefits		2,489	1,402	1,127	1,672	3,038	1,153	1,537	3,227	3,356	3,423	3,491	3,561
51030	- leak detection						260		0	260				
5150	Directors - Allowance & Stipend				483	483	502	303	404	533	555	566	577	589
51565	Directors - Mileage							18	24	26	27	27	28	28
53030	Communication		738	378	1,093	736	416	212	282	442	459	469	478	488
53050	Insurance		503	1,020	1,617	1,047	1,682	993	1,324	1,786	1,857	1,895	1,932	1,971
53080	Licence & Permits		400	4,391	-945	1,282	832	347	463	884	919	937	956	975
54030	Contracted Services		11,182	1,606	3,312	5,366	3,444	1,870	2,493	3,658	3,804	3,880	3,958	4,037
55010	Repairs & Maintenance		10,784	703	306	3,931	4,002	781	1,041	4,250	4,420	4,508	4,599	4,691
55020	Operating Supplies		31	0	88	40	92	0	0	97	101	103	105	107
55030	Equipment		80			80	0	31	42	0	0	0	0	0
55040	Utilities		7,491	4,916	4,371	5,593	4,546	3,833	5,110	4,828	5,021	5,121	5,224	5,328
55060	Rentals		144	391		268	159	0	0	169	165	162	162	162
Operating Expenses			50,193	24,030	18,626	31,414	31,962	16,364	21,818	33,768	31,718	32,345	32,989	33,646

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1204-100	DUH W - 2021 Distribution Upgrades - PN07-09					430,000	135,021	185,000	560,000				
60000	NO CAP YET	DUH W - Well Assessment and Feasibility Report									20,000			
Capital Expenses			0	0	0	0	430,000	135,021	185,000	560,000	20,000	0	0	0

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56110	OPR313-100	Shot-Term Financing Interest									8,445	6,936	5,342	3,658
56120	OPR313-100	Short-Term Financing Principal									26,807	28,316	29,910	31,594
59000		Contribution to Reserve	1,239	18,723	35,541	18,501	135,036	135,036	135,036	58,931	23,331	31,169	38,765	48,282
59500		Transfer to Other Service	9,036	4,326	5,129	6,164	8,869	0	8,869	9,419	9,796	9,992	10,191	10,395
59510		Transfer to Other Service - General Admin. Fee	5,650	5,820	6,111	5,860	5,455	5,455	5,455	5,793	6,025	6,145	6,268	6,394
59550		Transfer to Other Service - Environmental Services Fee	28,105	23,629	19,912	23,882	16,780	16,780	16,780	17,820	18,533	18,904	19,282	19,668
Non-Operating Expenses			44,030	52,498	66,693	54,407	166,140	157,271	166,140	91,963	92,937	101,461	109,758	119,990

Total Service							(1)	(111,266)	9,431	0	0	0	0	0
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Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR313-100	Duhamel Creek Water Utility-Distribution - General												
59500	OPR313-112	Duhamel Creek Water Utility-Transfer to other Service - Fleet	2,293	2,665	1,786	2,479	3,259	0	3,259	3,461	3,600	3,671	3,745	3,820
59500	OPR313-113	Duhamel Creek Water Utility-Transfer to other Service - WaterSmart Program												
59500	OPR313-117	Duhamel Creek Water Utility-Transfer to other Service - Operator Admin	6,743	1,661	3,343	4,202	5,610	0	5,610	5,958	6,196	6,320	6,446	6,575
Total Transfer to Other Service			9,036	4,326	5,129	6,681	8,869	0	8,869	9,419	9,796	9,992	10,191	10,395

	2023	2024	2025	2026	2027	2028
Balance Previous Year	245,626	348,118	530	3,866	35,074	74,189
Interest (Assumed 1%)	2,456	3,481	5	39	351	742
Contribution	135,036	58,931	23,331	31,169	38,765	48,282
Withdrawal	(35,000)	(410,000)	(20,000)	0	0	0
	348,118	530	3,866	35,074	74,189	123,213

2022 Asset Management Plan Identified Contribution to Reserves						
25 Year						89,086
100 Year						68,251
Model pipe replacement value, excluding asbestos pipe removal:						3,137,778
Total estimated asbestos pipe removal cost not yet included in annual contribution amounts (Policy 600-03-08 adopted October 2023):						955,000

Regional District of Central Kootenay

V-P1

Version P0 - Budget set up - JMcD, O&M and Capital added - AD. P1 - Issued for internal review.

S253 Water Utility-Area K (Edgewood)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

[illegible][illegible]

2024	2025	2026	2027	2028
6%	4%	4%	4%	4%
950	988	1,028	1,069	1,111
818	850	884	920	957
1,632	1,697	1,765	1,836	1,909
818	850	884	920	957
1,632	1,697	1,765	1,836	1,909
2,846	2,960	3,079	3,202	3,330
1,426	1,483	1,542	1,604	1,668
1,426	1,483	1,542	1,604	1,668
1,632	1,697	1,765	1,836	1,909
713	741	771	802	834
2,369	2,463	2,562	2,664	2,771
2,369	2,463	2,562	2,664	2,771
163	170	176	184	191
2.06	2.14	2.23	2.32	2.41
10.0%	5.0%	5%	5%	5%
626	657	690	725	761
626	657	690	725	761

REVENUE

Account		
41015	Parcel Taxes	
	- Rate Holiday	
	- No Rate Holiday	
42020	Sale of Services	
42030	User Fees	
43020	Grants	
43030	Community Works Grants (Internal)	
43100	Proceeds from Borrowing	
45000	Transfer from Reserves	
49100	Prior Year Surplus	
Revenue		

2020	2021	2022	Average
32,256	42,284	42,263	38,934
105,319	138,021	2,323 144,591	2,323 129,310
100,000			100,000
225,000			225,000
35,596			35,596
(267,092)	23,467	14,866	(76,253)
231,079	203,772	204,042	454,911

2023 Budget	2023 YTD Actual	2023 Est Year End
49,069		
	0	32,858
	10,811	10,811
148,895	150,511	150,511
10,754	10,754	10,754
	0	10,450
97,000	0	14,935
9,647	12,071	12,071
315,365	184,146	242,389

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41,384	43,419	45,556	47,799	50,155
11,897	12,492	13,117	13,773	14,461
157,828	164,141	170,707	177,535	184,637
		131,000		
60,000	50,000	(81,000)	300,000	0
8,173	0	0	0	0
279,283	270,053	279,380	539,107	249,253

OPERATING EXPENSES

Account	
51010	Salaries
51010	- leak detection
51020	Overtime
51030	Benefits
51030	- leak detection
51500	Directors - Allowance & Stipend
52010	Travel
53020	Admin, Office Supplies & Postage
53030	Communication
53050	Insurance
53080	Licence & Permits
54030	Contracted Services
55010	Repairs & Maintenance
55020	Operating Supplies
55030	Equipment
55040	Utilities
Operating Expenses	

2020	2021	2022	Average
2,569	426	975	1,323
248	432	0	227
537	88	201	276
		256	
76	0	0	25
		2	2
1,042	955	1,061	1,019
999	1,483	1,887	1,456
200	150	150	167
41,383	25,993	24,581	30,653
645	344	356	448
0	0	0	0
0	0	0	0
6,691	7,662	7,097	7,150
54,390	37,532	36,566	42,745

2023 Budget	2023 YTD Actual	2023 Est Year End
1,993	2,836	2,836
1,000		0
354	597	796
518	645	645
260		0
266	267	356
128	71	95
0		0
1,242	855	1,140
1,604	1,274	1,698
1,202	399	532
32,122	17,314	23,086
1,655	1,382	1,843
55	0	0
55	0	0
7,381	4,705	6,273
49,835	30,346	39,300

2024	2025	2026	2027	2028
Budget	Budget	Budget	Budget	Budget
2,117	2,201	2,245	2,290	2,336
376	391	399	407	415
550	572	584	595	607
283	294	300	306	312
136	141	144	147	150
0	0	0	0	0
1,319	1,371	1,399	1,427	1,455
1,703	1,772	1,807	1,843	1,880
1,277	1,328	1,354	1,381	1,409
34,114	35,478	36,188	36,911	37,650
1,757	1,828	1,864	1,902	1,940
59	61	62	63	65
59	61	62	63	65
7,838	8,152	8,315	8,481	8,651
51,587	53,650	54,723	55,818	56,934

CAPITAL EXPENSES

Account		
60000	CAP1078-100	EDG W-Well site fencing
60000	CAP1135-100	EDG W - 2020 -Reservoir Upgrades- (Decommissioning of wells)
60000	CAP1388-100	EDG W - Standby Generator
60000	CAP1440-100	EDG W - Old Resrvoir Removal
60000	CAP1205-100	EDG W - 2021 Distribution Upgrades - PN11-12-13
Capital Expenses		

2020	2021	2022	Average
0	0	0	0

2023 Budget	2023 YTD Actual	2023 Est Year End
17,000	14,935	14,935
20,000	10,450	10,450
60,000	0	0
97,000	25,385	25,385

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
0				
0				
60,000				
	50,000			
		50,000	300,000	
60,000	50,000	50,000	300,000	0

NON-OPERATING EXPENSES

Account		
56110		Shot-Term Financing Interest
56110		- 2021 Loan
56110		- 2026 Loan
56120		Short-Term Financing Principal
56120		- 2021 Loan
56120		- 2026 Loan
59000		Contribution to Reserve
59500		Transfer to Other Service
59510		Transfer to Other Service - General Admin. Fee
59520		Transfer to Other Service - IT Fee
59550		Transfer to Other Service - Environmental Services Fee
Non-Operating Expenses		

2020	2021	2022	Average
	1,945	3,748	2,846
	43,220	44,104	43,662
74,254	56,500	60,641	63,798
10,842	5,524	4,038	6,801
8,107	8,351	8,768	8,409
1,548	1,568	1,587	1,568
27,799	30,847	32,520	30,389
122,550	147,954	155,406	157,472

2023 Budget	2023 YTD Actual	2023 Est Year End
6,209	5,252	6,209
43,883	43,883	43,883
75,319	75,319	75,319
8,019	1,000	9,019
5,875	5,875	5,875
1,820	1,820	1,820
27,405	27,405	27,405
168,530	160,554	169,530

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
4,230	2,162		5,240	4,273
45,862	47,931			
			24,186	25,154
71,811	68,686	126,080	104,315	112,354
8,516	8,857	9,034	9,215	9,399
6,239	6,489	6,619	6,751	6,886
1,933	2,010	2,050	2,091	2,133
29,104	30,268	30,874	31,491	32,121
167,696	166,402	174,656	183,289	192,319

Total Service	
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(1)	(32,139)	8,173
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0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order	
59500	CAP1388-100	EDG W - Standby Generator
59500	OPR314-100	Edgewood Water Utility-Distribution - General
59500	OPR314-112	Edgewood Water Utility-Transfer to other Service - Fleet
59500	OPR314-114	Edgewood Water Utility-Transfer to other Service - Project Management
59500	OPR314-117	Edgewood Water Utility-Transfer to other Service - Operator Admin
Total Transfer to Other Service		

2020	2021	2022	Average
4,626	5,377	3,603	4,535
4,925			4,925
1,292	147	435	625
10,842	5,524	4,038	10,085

2023 Budget	2023 YTD Actual	2023 Est Year End
	1,000	1,000
6,575	0	6,575
1,444	0	1,444
8,019	1,000	9,019

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
6,983	7,262	7,407	7,555	7,706
1,534	1,595	1,627	1,659	1,692
8,516	8,857	9,034	9,215	9,399

RESERVES

Balance Previous Year	
Interest (Assumed 1%)	
Contribution	
Withdrawal	

2023
163,635
1,636
75,319
(14,935)
225,655

2024	2025	2026	2027	2028
225,655	239,723	260,806	470,493	279,513
2,257	2,397	2,608	4,705	2,795
71,811	68,686	126,080	104,315	112,354
(60,000)	(50,000)	81,000	(300,000)	0
239,723	260,806	470,493	279,513	394,662

2022 Asset Management Plan Identified Contribution to Reserves

25 Year
100 Year

135,439
108,229
3,534,214
1,175,200

Model pipe replacement value, excluding asbestos pipe removal:

Total estimated asbestos pipe removal cost not yet included in annual contribution amounts (Policy 600-03-08 adopted October 2023):

V-P2

Version P2 - Issued for CAC meeting.

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

Account 60490, 60989 & 60972 Metered Base Charge
M-ERK-METERED RATE-BASE CHARGE

Service Charges % Increase
ERK-AGRICULTURAL- GREENHOUSE

ERK-AGRICULTURAL- LAND CHARGE

ERK-CAPITAL RESERVE FUND CONTRIBUTION
M-ERK-CAPITAL RESERVE FUND CONTRIBUTION (Mobile Home
Parks)

ERK-COMMERIAL- SHORT-TERM ACCOMMODATION - BASE RATE
 ERK-COMMERIAL- SHORT-TERM ACCOMMODATION - PER BED
 ERK-COMMERIAL- BUSINESS
 ERK-COMMERIAL- CAMPGROUND- BASE RATE
 ERK-COMMERIAL- CAMPGROUND-PER CAMP SITE
 ERK-COMMERIAL- FOOD & BEVERAGE
 ERK-COMMERIAL- FOOD & BEVERAGE STORAGE
 ERK-COMMERIAL- HOTEL/MOTEL- BASE RATE
 ERK-COMMERIAL- HOTEL/MOTEL- PER ROOM
 ERK-COMMERIAL- HOTEL/MOTEL- RESTAURANT
 ERK-COMMERIAL- HOTEL/MOTEL- LOUNGE
 ERK-COMMERIAL- HOTEL/MOTEL- POOL
 ERK-COMMERIAL- MH PARK- BASE RATE
 ERK-COMMERIAL- MH PARK- PER DWELLING
 ERK-DWELLING- MULTI FAMILY- ADDITIONAL
 ERK-DWELLING- MULTI FAMILY- FIRST
 ERK-DWELLING- MULTI FAMILY- MOBILE HOUSING UNIT
 ERK-DWELLING- MULTI FAMILY- SWIMMING POOL
 ERK-DWELLING- SINGLE FAMILY
 ERK-DWELLING- SINGLE FAMILY- POOL
 ERK-DWELLING- MULTI FAMILY- SECONDARY SUITE
 ERK-INDUSTRIAL- SMALL BUSINESS
 ERK-INDUSTRIAL- SAW MILL
 ERK-INSTITUTIONAL- CHURCH
 ERK-INSTITUTIONAL- COMMUNITY HALL
 ERK-INSTITUTIONAL- SCHOOL- PER CLASSROOM
 ERK-WATER USAGE NO DEVELOPMENT

Parcel Tax % Increase	
Parcel Tax	
Total	

REVENUE

Account	
42020	Sale of Services
42025	Sale of Services - Specified
42030	User Fees
43020	Grants
43030	Community Works Grants (Internal)
43100	Proceeds from Borrowing
45000	Transfer from Reserves
45500	Transfer from Other Service
45500	- LIS 20% Backhoe loan payment principal
45500	- LIS 20% Backhoe loan payment interest
45500	- ACK 20% Backhoe loan payment principal
45500	- ACK 20% Backhoe loan payment interest
49100	Prior Year Surplus
Revenue	

OPERATING EXPENSES

Account	
51010	Salaries
51010	- Salaries - CAP project assist
51020	Overtime
51030	Benefits
51030	- CAP project assist
51050	Employee Health & Safety
51500	Directors - Allowance & Stipend
51560	Directors - Travel
52010	Travel
52020	Education & Training
52030	Memberships, Dues & Subscriptions
53020	Admin, Office Supplies & Postage
53030	Communication
53040	Advertising
53050	Insurance
53080	Licence & Permits
54010	Legal
54020	Audit - Professional Fees
54030	Contracted Services
54040	Consulting Fees
	- Water Model Update and Hydrant Infill Plan
55010	Repairs & Maintenance
55020	Operating Supplies
55025	Chemicals
55030	Equipment
55040	Utilities
55050	Vehicles
55060	Rentals
Operating Expenses	

CAPITAL EXPENSES

Account		
60000	CAP1083-100	ERK W-Distribution Upgrades PN95 (Erickson Rd)
60000	CAP1080-100	ERK W - Hydrant Infill
60000	CAP1081-100	ERK W - Metering-Phase 1
60000	CAP1082-100	ERK W - Metering-Phase 2
60000	CAP1209-100	ERK W - Future Distribution Upgrades
60000	CAP1208-100	ERK W - Goat River Bridge Water Line
60000	CAP1210-100	ERK W - Future Distribution Upgrades
Capital Expenses		

		8%	
2	465.00		
		930	Reve

Tempest Billing	8%		
46,381	0.13		
	6.148		Revenue

	8%	
981.7	360	
	352,795	Reve

	8%	
652	389	
64	389	
	277 855	Revenue

	8%	
0	1,159	
0	193	
16	1,193	
1	1,193	
73	85	
8	1,193	
1	5,870	
3	0	
77	627	
0	1,193	
0	1,193	
1	608	
0	1,193	
38	797	
66	1,159	
63	1,159	
0	1,159	
0	284	
492	1,159	
8	284	
5	797	
0	1,193	
1	7,313	
4	1,098	
0	1,098	
9	1,023	
1	360	
	882,157	Revenue

6%	5%	8%	5%	5%
492.91	517.55	558.95	586.90	616.25
986	1,035	1,118	1,174	1,232

6%	5%	5%	5%	5%
0.14	0.15	0.15	0.16	0.17
6,517	6,842	7,185	7,544	7,921

6%	5%	5%	5%	5%
381	400	420	441	464
374,383	393,102	412,757	433,395	455,065

6%	5%	5%	5%	5%
412	433	454	477	501
412	433	454	477	501
294 924	309 671	325 154	341 412	358 482

6%	5%	5%	5%	5%
1,228	1,290	1,354	1,422	1,493
205	215	226	237	249
1,265	1,328	1,394	1,464	1,537
1,265	1,328	1,394	1,464	1,537
90	95	100	105	110
1,265	1,328	1,394	1,464	1,537
6,222	6,533	6,860	7,203	7,563
0	0	0	0	0
664	698	732	769	808
1,265	1,328	1,394	1,464	1,537
1,265	1,328	1,394	1,464	1,537
644	677	710	746	783
1,265	1,328	1,394	1,464	1,537
845	887	932	978	1,027
1,228	1,290	1,354	1,422	1,493
1,228	1,290	1,354	1,422	1,493
1,228	1,290	1,354	1,422	1,493
301	316	332	349	366
1,228	1,290	1,354	1,422	1,493
301	316	332	349	366
845	887	932	978	1,027
1,265	1,328	1,394	1,464	1,537
7,752	8,139	8,546	8,974	9,422
1,164	1,222	1,283	1,348	1,415
1,164	1,222	1,283	1,348	1,415
1,084	1,138	1,195	1,255	1,317
381	400	420	441	463
920,346	966,363	1,014,681	1,065,415	1,118,686

1,605,306	1,685,571	1,769,880	1,858,374	1,951,293
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2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
1,605,306	1,685,571	1,769,880	1,858,374	1,951,293
1,038,438	450,000	820,000	500,000	900,000
6,257	6,539	6,834		
885	603	308		
6,257	6,539	6,834		
885	603	308		
117,177	0	0	0	0
2,775,205	2,149,855	2,604,165	2,358,374	2,851,293

6.2%	4%	2%	2%	2%
2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
79,000	82,160	83,803	85,479	87,189
2,000				
1,764	1,835	1,871	1,909	1,947
21,330	22,183	22,627	23,079	23,541
520				
598	622	634	647	660
1,001	1,041	1,062	1,083	1,105
169	176	179	183	186
0	0	0	0	0
0	0	0	0	0
221	230	234	239	244
725	754	769	785	801
0	0	0	0	0
0	0	0	0	0
4,970	5,169	5,272	5,378	5,485
3,445	3,583	3,655	3,728	3,802
10,000				
0	0	0	0	0
35,851	37,285	38,031	38,791	39,567
0	0	0	0	0
0	0	0	0	0
47,803	49,715	50,709	51,723	52,758
3,585	3,729	3,803	3,879	3,957
3,035	3,157	3,220	3,284	3,350
5,522	5,743	5,858	5,975	6,095
1,844	1,917	1,956	1,995	2,035
1,571	1,634	1,666	1,700	1,734
468	487	497	507	517
225,423	221,419	225,847	230,364	234,972

NON-OPERATING EXPENSES

			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
Account	Work Order													
56010		Debenture Interest												
56020		Debenture Principal												
56110		Short-Term Financing Interest		1,898	6,856	4,377		10,127	10,127					
56110		- 2020 Distribution Upgrade - Short Term					4,261			2,177	0	0		
56110		- Backhoe - Short Term					5,777			4,427	3,016	1,541		
56120		Short-Term Financing Principal		42,907	66,628	54,768		76,129	76,129					
56120		- 2020 Distribution Upgrade - Short Term					46,195			48,279	0	0		
56120		- Backhoe - Short Term					29,934			31,284	32,695	34,170		
59000		Contribution to Reserve	126,315	187,310	460,006	257,877	560,040	860,040	560,040	593,798	550,435	630,203	724,231	799,766
59500		Transfer to Other Service	589,652	624,863	594,135	602,883	677,316	2,200	664,516	624,765	677,411	673,227	680,219	688,524
59510		Transfer to Other Service - General Admin. Fee	38,545	39,702	41,687	39,978	36,998	36,998	36,998	39,292	40,864	41,681	42,514	43,365
59550		Transfer to Other Service - Environmental Services Fee	109,366	126,832	186,958	141,052	157,554	157,554	157,554	167,322	174,015	177,496	181,045	184,666
Non-Operating Expenses			863,878	1,023,512	1,356,270	1,100,935	1,518,075	1,143,048	1,505,364	1,511,344	1,478,436	1,558,317	1,628,010	1,716,322
Total Service			652,012	303,488	91,629	193,197	52,001	492,487	117,177	0	0	0	0	0

59500 TRANSFER TO OTHER SERVICE

			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
Account	Work Order													
59500		ERK W - 2021 Universal Metering Phase 1 - Project Manager					15,000							
59500	CAP1083-100	ERK W-2023-Erickson Water Distribution System Replacement						2,200	2,200					
59500	OPR315-100	Erickson Water Utility-Distribution - General (ACK contribution)	546,630	589,565	572,800	569,665	625,124	0	625,124	585,267	636,334	631,327	637,482	644,932
59500	OPR315-100	Erickson Water Utility-Distribution - Operations												
59500	OPR315-112	Erickson Water Utility-Transfer to other Service - Fleet	18,382	21,365	14,315	18,021	26,125	0	26,125	27,745	28,855	29,432	30,020	30,621
59501	OPR315-114	Erickson Water Utility-Transfer to other Service - Project Manager		423										
59500	OPR315-117	Erickson Water Utility-Transfer to other Service - Operator Admin	4,290	13,510	7,020	8,273	11,067	0	11,067	11,753	12,223	12,468	12,717	12,971
Total Transfer to Other Service			569,302	624,863	594,135	595,959	677,316	2,200	664,516	624,765	677,411	673,227	680,219	688,524

RESERVES

							2023	2024	2025	2026	2027	2028
		Balance Previous Year										
RES176		Erickson Water Capital Utility					882,032	1,439,330	1,009,084	1,119,609	941,009	1,174,650
		Interest (Assumed 1%)					8,820	14,393	10,091	11,196	9,410	11,746
		Contribution					560,040	593,798	550,435	630,203	724,231	799,766
		Withdrawal					(11,562)	(1,038,438)	(450,000)	(820,000)	(500,000)	(900,000)
							1,439,330	1,009,084	1,119,609	941,009	1,174,650	1,086,162

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	863,023						
100 Year	554,403						
Model pipe replacement value, excluding asbestos pipe removal:	32,304,253						
Total estimated asbestos pipe removal cost not yet included in annual contribution amounts (Policy 600-03-08 adopted October 2023):	10,189,950						
		2023	2024	2025	2026	2027	2028

Regional District of Central Kootenay

V-P2

Version P2 - Issued for Water Services Committee Meeting

S254 Water Utility-Area K (Fauquier)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

	Total
Active Accounts	
Service Charges % Increase	
FAU- INSTITUTIONAL- CHURCH	
FAU-COMMERCIAL- BUSINESS	
FAU-COMMERCIAL- CONSESSION STAND	
FAU-COMMERCIAL- FOOD & BEVERAGE	
FAU-COMMERCIAL- GOLF COURSE	
FAU-COMMERCIAL- HOTEL/MOTEL	
FAU-DWELLING- MULTI FAMILY- ADDITIONAL	
FAU-DWELLING- MULTI FAMILY- FIRST	
FAU-DWELLING- SINGLE FAMILY	
FAU-INSTITUTIONAL- COMMUNITY HALL	
FAU-INSTITUTIONAL- PUBLIC RESTROOMS	
FAU-INSTITUTIONAL- RECREATIONAL	
FAU-INSTITUTIONAL- UTILITY RESTROOMS	
Metered Rate	
Base Charge	
Metered Consumption	
Rate Holiday Credits	
FAU-RATE HOLIDAY- COMMERCIAL- BUSINESS	
FAU-RATE HOLIDAY- COMMERCIAL-HOTEL/MOTEL	
FAU-RATE HOLIDAY- INSTITUT- PUBLIC REST	
FAU-RATE HOLIDAY- INSTITUT- UTILITY REST	
FAU-RATE HOLIDAY- INSTITUTIONAL- CHURCH	
FAU-RATE HOLIDAY- INSTITUTIONAL- HALL	
FAU-RATE HOLIDAY- MULTI FAM- ADDITIONAL	
FAU-RATE HOLIDAY- MULTI FAMILY- FIRST	
FAU-RATE HOLIDAY-COMMERCIAL FOOD & BEV	
FAU-RATE HOLIDAY-COMMERCIAL-GOLF	
FAU-RATE HOLIDAY-RECREATIONAL	
FAU-RATE HOLIDAY-SINGLE FAMILY	
BC Hydro Report	
Rate Holiday Eligible - Paid by BC Hydro	
Rate Holiday Eligible - Not Assessed	
Rate Holiday Not Eligible - Ownership Changed	
In Water System but Not Assessed	
Parcel Tax % Increase	
Parcels Assessed Parcel Tax (Rate Holiday)	
Parcels Assessed Parcel Tax (No Rate Holiday)	
Total	

No.	2023	2024	2025	2026	2027	2028
91						
	15%	10%	10%	10%	10%	10%
1	1,298	1,428	1,570	1,727	1,900	2,090
1	2,771	3,048	3,353	3,688	4,057	4,463
0	1,477	1,624	1,787	1,965	2,162	2,378
1	3,334	3,667	4,034	4,437	4,881	5,369
1	5,728	6,301	6,931	7,624	8,386	9,225
1	2,036	2,240	2,464	2,710	2,981	3,279
10	740	813	895	984	1,083	1,191
6	1,476	1,624	1,786	1,965	2,161	2,377
75	1,476	1,624	1,786	1,965	2,161	2,377
3	1,298	1,428	1,570	1,727	1,900	2,090
1	1,047	1,152	1,267	1,394	1,534	1,687
1	1,696	1,865	2,052	2,257	2,483	2,731
1	1,047	1,152	1,267	1,394	1,534	1,687
	147	162	178	196	216	237
	1.12	1.23	1.35	1.48	1.63	1.80
1						
1						
1						
1						
1						
3						
6						
6						
2						
1						
1						
67						
Collection						
No.	Fee	10%	10%	10%	10%	10%
46	10.50	599	659	725	797	965
45	0	599	599	659	725	877

REVENUE						
Account			2020	2021	2022	Average
41010	Requisitions					
41015	Parcel Taxes		41,572	2,378	49,533	31,161
	- Rate Holiday					
	- No Rate Holiday					
42020	Sale of Services		1,000	2,378		1,689
42025	Sale of Services - Specified					
42030	User Fees		107,312	115,931	131,224	118,156
43020	Grants					
43100	Proceeds from Borrowing					
45000	Transfer from Reserves		6,975	569,513	101,355	225,948
49100	Prior Year Surplus		13,324	4,397	15,341	11,021
Revenue			170,183	694,597	297,453	387,974

			57,743	63,469	69,767	76,696	84,317
2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
28,035	0	28,035	30,790	33,821	37,154	40,821	44,855
26,953	26,955	26,953	26,953	29,648	32,613	35,874	39,462
147,216	144,758	144,758	164,795	181,274	199,402	219,342	241,276
55,931	55,931	55,931					
416,215		405,067	5,000	5,000	300,000	80,000	200,000
14,530	14,526	14,526	34,890	0	0	0	0
688,879	242,171	675,270	262,428	249,743	569,169	376,037	525,593

OPERATING EXPENSES						
Account			2020	2021	2022	Average
51010	Salaries		3,005	5,768	3,225	3,999
51010	- leak detection					
51010	- Capital Projects					
51020	Overtime		378	1,184	0	521
51030	Benefits		612	1,275	668	852
51030	- leak detection					
51030	- Capital Projects					
51500	Directors - Allowance & Stipend				323	323
52010	Travel		335	330	252	306
52030	Memberships, Dues & Subscriptions				300	300
53020	Admin, Office Supplies & Postage		437	21	0	153
53030	Communication		308	213	475	332
53050	Insurance		3,523	4,224	4,434	4,061
53080	Licence & Permits		150	960	269	460
54030	Contracted Services		47,496	37,334	37,034	40,622
54040	Consulting Fees		6,975			6,975
55010	Repairs & Maintenance		5,921	8,770	17,861	10,851
55020	Operating Supplies		203	517	506	409
55025	Chemicals		6,130	5,020	9,678	6,943
55030	Equipment		0	417	133	183
55040	Utilities		8,480	8,180	5,326	7,329
55060	Rentals		589	236	375	400
Operating Expenses			83,953	74,213	80,862	84,616

			6.2%		4%		2%		2%	
2023	2023 YTD	2023 Est Year	2024	2025	2026	2027	2028			
Budget	Actual	End	Budget	Budget	Budget	Budget	Budget			
6,357	1,144	1,525	6,751	7,021	7,162	7,305	7,451			
0		0	1,000							
2,000		0								
332	0	0	353	367	374	381	389			
1,653	271	362	1,755	1,825	1,862	1,899	1,937			
0		0	260							
520		0								
336	271	362	357	371	379	386	394			
641	120	160	681	708	722	737	751			
0	300	400	0	0	0	0	0			
165	0	0	175	182	186	190	193			
857	211	281	910	947	965	985	1,004			
4,570	2,643	3,524	4,853	5,047	5,148	5,251	5,356			
516	401	535	548	570	581	593	605			
44,587	22,768	30,358	47,351	49,245	50,230	51,235	52,260			
		0	0	0	0	0	0			
9,914	1,585	2,114	10,529	10,950	11,169	11,392	11,620			
517	465	620	549	571	582	594	606			
10,065	6,342	8,456	10,689	11,117	11,339	11,566	11,797			
520	29	39	552	574	586	598	609			
9,941	5,612	7,482	10,557	10,980	11,199	11,423	11,652			
390	234	312	414	431	439	448	457			
93,881	42,397	56,530	98,285	100,906	102,924	104,983	107,082			

CAPITAL EXPENSES			2020	2021	2022	Average
Account						
60000	CAP913-100	FAU-Treatment Pilots				
60000	CAP1001-100	Standby Power, Pump Upgrade & Abandon/Reline Upper Res				
60000	CAP1002-100	UV Disinfection				
60000	CAP1211-100	FAU W - 2021 Distribution - PN02				
60000	CAP1085-100	FAU W - 2023 Distribution - PN02				
60000	CAP1212-100	FAU W - 2021 Distribution - PN03-05-07				
60000	CAP1213-100	FAU W - 2021 Distribution - PN04				
Capital Expenses			0	0		0

2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
11,215	67	67	5,000	5,000		80,000	200,000
165,000	0	0					
165,000	80,833	165,000					
240,000	360	240,000					
					300,000		
581,215	81,260	405,067	5,000	5,000	300,000	80,000	200,000

NON-OPERATING EXPENSES			2020	2021	2022	Average
56110	Short-Term Financing Interest					
56120	Short-Term Financing Principal					
59000	Contribution to Reserve		32,459	37,060	25,477	31,665
59500	Transfer to Other Service	6,636	344,682	96,687	149,335	
59510	Transfer to Other Service - General Admin. Fee	7,743	7,975	8,374	8,031	
59520	Transfer to Other Service - IT Fee	4,690	4,750	4,810	4,750	
59550	Transfer to Other Service - Environmental Services Fee	28,717	20,786	55,587	35,030	
Non-Operating Expenses			80,245	415,253	190,935	228,811

2023	2023 YTD	2023 Est Year	6.2%	4%	2%	2%	2%
Budget	Actual	End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
107,145	107,145	107,145	83,063	64,714	85,539	108,735	134,545
11,950	0	11,950	12,691	13,199	13,463	13,732	14,006
7,128	7,328	7,328	7,782	8,094	8,256	8,421	8,589
5,516	5,516	5,516	5,858	6,092	6,214	6,338	6,465
46,844	46,844	46,844	49,748	51,738	52,773	53,828	54,905
178,783	166,833	178,783	159,143	143,837	166,245	191,055	218,510

Total Service	
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(165,000)	(48,319)	34,890	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE			2020	2021	2022	Average
Account	Work Order					
59500	OPR316-100	Fauquier Water Utility-Distribution - General				
59500	CAP1212-100	Transfer to Other Service A113		336,736	90,085	213,410
59500	OPR316-112	Fauquier Water Utility-Transfer to other Service - Fleet	5,733	6,663	4,465	5,620
59500	OPR316-117	Fauquier Water Utility-Transfer to other Service - Operator Admin	903	1,283	2,137	1,441
Total Transfer to Other Service			6,636	344,682	96,687	220,472

2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
8,148	0	8,148	8,653	8,999	9,179	9,363	9,550
3,802	0	3,802	4,038	4,199	4,283	4,369	4,456
11,950	0	11,950	12,691	13,199	13,463	13,732	14,006

RESERVES	
	Balance Previous Year
	Interest (Assumed 1%)
	Contribution
	Withdrawal

2023	2024	2025	2026	2027	2028
433,320	139,731	219,192	281,098	69,448	98,878
4,333	1,397	2,192	2,811	694	989
107,145	83,063	64,714	85,539	108,735	134,545
(405,067)	(5,000)	(5,000)	(300,000)	(80,000)	(200,000)
139,731	219,192	281,098	69,448	98,878	34,411

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	100 Year
Model pipe replacement value, excluding asbestos pipe removal:	
Total estimated asbestos pipe removal cost not yet included in annual contribution amounts (Policy 600-03-08 adopted October 2023)	

277,020						
183,931						
6,300,003						
3,152,679	2023	2024	2025	2026	2027	2028

Regional District of Central Kootenay
V-P2

Version P2 - Issued for CAC meeting.

S258 Water Utility-Area E (Grandview)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

			2022 Year end	No.		2023	2024	2025	2026	2027	2028
		Active Accounts	73	81							
		Undeveloped Parcels % Increase			15%	15%	10%	3%	3%	3%	
		GRA-UNDEVELOPED PARCEL	28	25	725	833	917	944	973	1,002	
		GRA-UNMETERED BUILDING CONSTRUCTION	3	3	1,310	1,506	1,657	1,707	1,758	1,811	
		GRA-UNMETERED OR FAILED METER		0							
		Metered Based Charge % Increase			15%	15%	10%	3%	3%	3%	
		M-GRA-RESIDENTIAL BASE CHARGE		41	725	833	917	944	973	1,002	
		Consumption Service Charges % Increase			15%	15%	10%	3%	3%	3%	
		M-GRA-RESIDENTIAL CONSUMPTION		41							
		First Block per m3 (Up to 50 m3)			1.26	1.45	1.60	1.64	1.69	1.74	
		Second Block per m3 (Over 50 m3)			3.16	3.63	3.99	4.11	4.23	4.36	
		Assumed Total New Accounts - Undeveloped				8	6	4	2	0	
		Assumed Total New Accounts - Metered (Developed)				0	2	4	6	8	
		Assumed Consumption per New Customer (m3)		200							
		Assumed User fees from new development - Undeveloped Parcels				6,667	5,501	3,777	1,945	0	
		Assumed User fees from new development - Consumption Based				0	2,472	5,093	7,868	10,806	
		Parcels Assessed Parcel Tax									
		Parcel Tax % Increase	78	86	19%	0%	0%	0%	0%	25%	
		Parcel Tax			220	220	220	220	220	275	
		Total									

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41010		Requisitions												
41015		Parcel Taxes	12,210	12,210	12,210	12,210	17,160	17,160	17,160	18,920	18,920	18,920	18,920	23,650
42010		Sale of Goods	663	9,564		5,114								
42020		Sale of Services			12,059	12,059		9,900	14,848	5,100				
42025		Sale of Services - Specified	1,899	24,000		12,950								
42030		User Fees	44,414	54,415	55,439	51,422	61,388	43,743	64,458	69,090	73,249	75,447	77,710	80,041
42030		- Assumed New User Fees from Development					8,697		1,449	6,667	7,973	8,870	9,814	10,806
43030		Community Works Grant		33,855		33,855								
45000		Transfer from Reserves			8,000		22,828		13,198	3,000	0	0	0	0
49100		Prior Year Surplus	8,092	(641)	985	2,812	(17,612)	(15,675)	(15,675)	(12,728)	0	0	0	0
Revenue			67,278	133,403	88,693	130,422	92,461	55,128	95,438	90,050	100,142	103,236	106,444	114,497

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	9,928	16,519	13,735	13,394	11,838	9,585	12,780	12,572	13,075	13,336	13,603	13,875
51020		Overtime	330	285	577	397	602	206	275	639	665	678	692	706
51030		Benefits	1,645	2,829	2,401	2,292	3,078	1,628	2,171	3,269	3,400	3,468	3,537	3,608
51050		Employee Health & Safety	0	222	25	82	45	0	0					
51500		Directors - Allowance & Stipend			483		502	404	539	533	554	566	577	588
52030		Memberships, Dues & Subscriptions		219	200		208	200	267	221	230	234	239	244
53020		Admin, Office Supplies & Postage	40	5	4	16	4	32	42					
53030		Communication	866	1,017	1,019	967	1,144	789	1,051	1,215	1,264	1,289	1,315	1,341
53050		Insurance	485	1,388	2,454	1,442	2,552	1,485	1,980	2,710	2,819	2,875	2,933	2,991
53080		Licence & Permits	200	240	67	169	203	202	269	216	224	229	233	238
54010		Legal			0				0	0	0	0	0	0
54030		Contracted Services	1,297	2,915	6,167	3,459	2,676	3,127	4,169	2,842	2,956	3,015	3,075	3,136
		- Invasive Plant Management					1,070		1,070					
55010		Repairs & Maintenance	7,740	7,105	17,682	10,843	8,000	10,814	14,418	8,496	8,836	9,013	9,193	9,377
		- new dosing pump								3,000				
55020		Operating Supplies	505	387	2,594	1,162	1,000	1,456	1,942	1,062	1,104	1,127	1,149	1,172
55025		Chemicals	264	734	143	380	596	968	1,291	1,371	1,426	1,454	1,483	1,513
55040		Utilities	4,507	4,314	5,754	4,858	5,984	3,986	5,314	6,355	6,609	6,741	6,876	7,014
Operating Expenses			27,807	38,179	53,304	39,463	39,502	34,882	47,579	44,501	43,161	44,024	44,904	45,802

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1309-100	PRV upgrade cost share					12,000	128	12,128					
Capital Expenses			0	0	0	0	12,000	128	12,128	0	0	0	0	0

NON-OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59000		Contribution to Reserve	7,118	26,864	10,404	14,795	941	941	8,441	3,051	12,782	14,130	15,554	21,790
59500		Transfer to Other Service	7,480	6,672	8,965	7,706	9,994	0	9,994	10,614	11,038	11,259	11,484	11,714
59510		Transfer to Other Service - General Admin. Fee	5,119	5,273	5,536	5,309	6,517	6,517	6,517	6,921	7,198	7,342	7,489	7,638
59520		Transfer to Other Service - IT Fee	4,690	4,750	4,810	4,750	5,516	5,516	5,516	5,858	6,092	6,214	6,338	6,465
59550		Transfer to Other Service - Environmental Services Fee	15,702	16,825	21,349	17,959	17,991	17,991	17,991	19,106	19,871	20,268	20,673	21,087
Non-Operating Expenses			40,109	60,384	51,064	50,519	40,959	30,965	48,459	45,550	56,981	59,213	61,539	68,695

Total Service							0	29,464	(12,728)	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR317-100	Grandview Water Utility-Distribution - General												
59500	OPR317-112	Grandview Water Utility-Transfer to other Service - Fleet	5,733	3,732	2,500	3,988	4,563	0	4,563	4,846	5,040	5,141	5,243	5,348
59500	OPR317-117	Grandview Water Utility-Transfer to other Service - Operator Admin	903	2,940	6,465	3,436	5,431	0	5,431	5,768	5,998	6,118	6,241	6,366
Total Transfer to Other Service			6,636	6,672	8,965	7,424	9,994	0	9,994	10,614	11,038	11,259	11,484	11,714

RESERVES

	2023	2024	2025	2026	2027	2028
Balance Previous Year	77,388	73,405	74,189	87,714	102,720	119,302
Interest (Assumed 1%)	774	734	742	877	1,027	1,193
Contribution	8,441	3,051	12,782	14,130	15,554	21,790
Withdrawal	(13,198)	(3,000)	0	0	0	0
	73,405	74,189	87,714	102,720	119,302	142,285

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	13,643						
100 Year	96,164						
		2023	2024	2025	2026	2027	2028

Regional District of Central Kootenay

V-P2

Version P2 - Issued for Water Services Committee Meeting

S243 Water Utility-Area B (Lister)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

	Active Accounts	
	Reserve Fund % Increase	
	LIS-CAPITAL RESERVE FUND CONTRIBUTION	
	M-LIS-CAPITAL RESERVE FUND	
	Metered Accounts	
	Metered Base Charge	
	M-LIS-COMMERCIAL METERED - Act 60988 - Q1	
	M-LIS-COMMERCIAL METERED - Act 60988 - Q2	
	M-LIS-COMMERCIAL METERED - Act 60988 - Q3	
	M-LIS-COMMERCIAL METERED - Act 60988 - Q4	
	Service Charges % Increase	
	LIS-COMMERCIAL- BUSINESS	
	LIS-COMMERCIAL- GOLF COURSE	
	LIS-COMMERCIAL-FOOD & BEVERAGE SERVICES	
	LIS-COMMERCIAL-FOOD PROCESSING	
	LIS-DWELLING- SINGLE FAMILY	
	LIS-DWELLING- SINGLE FAMILY- POOL	
	LIS-DWELLING-MULTI FAM-ADDITIONAL	
	LIS-DWELLING-MULTI-FAMILY-FIRST DWELLING	
	LIS-INSTITUTIONAL- FIRE HALL	

No.		2023	2024	2025	2026	2027	2028
196							
		15%	25%	30%	20%	20%	20%
195		458	573	745	893	1,072	1,287
1		458	573	745	893	1,072	1,287
	m3	10%	10%	30%	10%	10%	10%
	1	245	269	350	385	424	466
1	4,700	0.55	0.60	0.78	0.86	0.94	1.04
1	6,400	0.55	0.60	0.78	0.86	0.94	1.04
1	7,800	0.55	0.60	0.78	0.86	0.94	1.04
1	6,600	0.55	0.60	0.78	0.86	0.94	1.04
		10%	10%	30%	10%	10%	10%
		963	1,059	1,376	1,514	1,665	1,832
		4,212	4,634	6,024	6,626	7,289	8,017
1		963	1,059	1,377	1,514	1,666	1,832
1		963	1,059	1,377	1,514	1,666	1,832
140		609	670	871	958	1,054	1,160
1		416	458	595	655	720	792
20		609	670	871	958	1,054	1,160
20		609	670	871	958	1,054	1,160
1		609	670	871	958	1,054	1,160

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
42020		Sale of Services	3,518	3,931		3,725								
42025		Sale of Services - Specified		1,234	1,000	1,117		10,259	10,259					
42030		User Fees	146,299	171,450	198,715	172,155		213,639	217,241					
42030		- Reserve Fund Contribution Fee					89,350			111,687	145,193	174,232	209,078	250,894
42030		- Service Charges					130,452			138,774	180,406	198,447	218,291	240,121
43020		Grants					33,892	33,892	33,892					
43025		Grants - Specified												
43025		- Infrastructure Planning Grant	10,000			10,000								
43030		Community Works Grants (Internal)	3,466			3,466								
43100		Proceeds from Borrowing								200,000				
45000		Transfer from Reserves	10,489			10,489	251,000	64,235		390,000	70,000	0	25,000	500,000
45500		Transfer from Other Service	713	822	952	829								
45500		- Fire Hall Water Bill					1,067	0	1,067	670	871	958	1,054	1,160
49100		Prior Year Surplus	(15,566)	8,032	1,519	(2,005)	12,835	12,185	12,185	(1,274)	0	0	0	0
Revenue			158,919	185,470	202,186	199,775	518,595	269,975	338,879	839,858	396,470	373,637	453,424	992,174

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	14,685	15,516	13,513	14,571	20,489	9,618	12,823	21,759	22,629	23,082	23,543	24,014
		- leak detection					1,000		0					
51020		Overtime	743	415	99	419	226	54	72	240	250	255	260	265
51030		Benefits	2,608	2,874	2,620	2,701	5,327	2,111	2,815	5,657	5,884	6,001	6,121	6,244
		- leak detection					260		0	260	270	276	281	287
51050		Employee Health & Safety	0	214	0	71	312	0	0	331	345	351	359	366
51500		Directors - Allowance & Stipend	153	0	869	341	904	707	943	1,001	1,041	1,062	1,083	1,105
51560		Directors - Travel	6	0		3			0	0	0	0	0	0
53020		Admin, Office Supplies & Postage	0	0	0	0	67	0	0	0	0	0	0	0
53030		Communication	941	333	1,472	915	541	275	367	575	598	609	622	634
53040		Advertising	0	0		0	0	0	0	0	0	0	0	0
53050		Insurance	359	997	1,511	956	1,571	1,090	1,453	1,668	1,735	1,770	1,805	1,841
53080		Licence & Permits	150	3,039	573	1,254	1,251	624	832	1,329	1,382	1,409	1,438	1,466
54020		Professional Fees	0	0		0			0	0	0	0	0	0
54030		Contracted Services	10,714	12,185	5,600	9,500	5,824	18,110	24,147	6,185	6,432	6,561	6,692	6,826
54040		Consulting Fees	3,466	0		1,733			0	0	0	0	0	0
		- well assessment								3,000				
55010		Repairs & Maintenance	1,253	6,233	3,944	3,810	2,251	6,211	8,281	2,391	2,486	2,536	2,587	2,638
55020		Operating Supplies	684	288	73	348	563	868	1,157	598	622	634	647	660
55025		Chemicals	3,106	4,343	4,732	4,060	5,200	1,602	2,136	5,522	5,743	5,858	5,975	6,095
55030		Equipment	21	214	1,335	523	225	89	119	239	249	253	259	264
55040		Utilities	4,052	4,328	3,967	4,115	4,920	2,684	3,579	5,225	5,434	5,543	5,654	5,767
55050		Vehicles	0	59	953	338	991	390	521	1,052	1,095	1,116	1,139	1,162
55060		Rentals	0	850		425			0	0	0	0	0	0
Operating Expenses			42,941	51,888	41,259	46,083	51,922	44,433	59,244	58,032	56,194	57,318	58,464	59,633

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1389-100	LIS W - Generator					70,000	0	40,000	30,000				
60000	NO CAP YET	LIS W - New Pump/VFD								20,000				
60000	CAP1087-100	LIS W - 2022 Water Line Replacement - PN13					180,000		24,235	540,000				
60000	NO CAP YET	LIS W - Secondary Source								0	70,000			
60000	CAP1215-100	LIS W - 2025 Water Line Replacement - PN25											25,000	500,000
Capital Expenses			0	0	0	0	250,000	0	64,235	590,000	70,000	0	25,000	500,000

NON-OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56110		Debenture Interest - Short Term Loan									11,240	9,231	7,109	4,868
56120		Debenture Principal - Short Term Loan									35,750	37,759	39,881	42,122
59000		Contribution to Reserve	10,427	54,867	4,400	23,231	83,261	83,261	83,261	50,583	76,681	119,934	177,872	237,551
59500		Transfer to Other Service	9,349	12,732	12,558	11,546	22,770	0	22,770	23,739	24,403	24,748	17,958	18,317
59510		Transfer to Other Service - General Admin. Fee	13,114	13,508	14,183	13,602	10,076	10,076	10,076	10,701	11,129	11,351	11,578	11,810
59520		Transfer to Other Service - IT Fee	4,690	4,750	4,810	4,750	5,516	5,516	5,516	5,858	6,092	6,214	6,338	6,465
59550		Transfer to Other Service - Environmental Services Fee	59,876	46,206	112,791	72,958	95,051	95,051	95,051	100,944	104,982	107,082	109,223	111,408
Non-Operating Expenses			97,456	132,063	148,742	126,087	216,674	193,904	216,674	191,825	270,277	316,319	369,960	432,541

Total Service

(0)	31,638	(1,274)
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR318-100	Lister Water Utility-Distribution - General			4,642	4,642					7,142	7,142	7,142	0
59500	OPR318-100	- Lister Backhoe loan payment to ERK principal					5,987	0	5,987	6,257	6,539	6,834		
59500	OPR318-100	- Lister Backhoe loan payment to ERK intrest					1,155	0	1,155	885	603	308		
59500	OPR318-112	Lister Water Utility-Transfer to other Service - Fleet	8,372	9,731	6,520	8,208	11,898	0	11,898	12,636	13,141	13,404	13,672	13,945
59500	OPR318-114	Lister Water Utility-Transfer to other Service - Project Management												
59500	OPR318-117	Lister Water Utility-Transfer to other Service - Operator Admin	977	3,001	1,396	1,791	3,730	0	3,730	3,961	4,120	4,202	4,286	4,372
Total Transfer to Other Service			9,349	12,732	12,558	14,641	22,770	0	22,770	23,739	24,403	24,748	17,958	18,317

RESERVES

	2023	2024	2025	2026	2027	2028
Balance Previous Year	321,729	343,972	7,995	14,756	134,838	289,059
Interest (Assumed 1%)	3,217	3,440	80	148	1,348	2,891
Contribution	83,261	50,583	76,681	119,934	177,872	237,551
Withdrawal	(64,235)	(390,000)	(70,000)	0	(25,000)	(500,000)
	343,972	7,995	14,756	134,838	289,059	29,500

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	857,352
100 Year	462,090
	2023
	2024
	2025
	2026
	2027
	2028

SYSTEM INFORMATION AND RATES

			No.		2023	2024	2025	2026	2027	2028
		Active Accounts	6							
		Service Charges % Increase			5%	5%	5%	5%	5%	5%
		M-LUC-RESIDENTIAL BASE CHARGE	6		1,060	1,113	1,169	1,227	1,289	1,353
		M-LUC-RESIDENTIAL CONSUMPTION			Future Consumption	5%	5%	5%	5%	5%
					1,500	2.10	2.21	2.32	2.43	2.56
		Parcel Tax % Increase			0%	0%	0%	0%	0%	0%
		Parcel Tax	7		600	600	600	600	600	600
		Total								

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41010		Requisitions												
41015		Parcel Taxes	3,600	3,600	4,200	3,800	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200
42020		Sale of Services	250	22,099		11,174								
42025		Sale of Services - Specified	10,000			10,000								
42030		User Fees	8,687	9,899	9,619	9,402		4,455						
42030		- Metered Base Rate					6,362		6,362	6,680	7,014	7,365	7,733	8,119
42030		- Volume Charges					3,673		3,673	3,154	3,312	3,478	3,652	3,834
45000		Transfer from Reserves												
45500	OVR121-100	Transfer from other services - A103 - main line leak		2,715		2,715				2,000	0	0	0	0
49100		Prior Year Surplus	3,898	3,675	10,224	5,932	2,508	3,086	3,086	1,963	0	0	0	0
		Revenue	26,435	41,987	24,044	43,023	16,743	11,741	17,321	17,997	14,526	15,042	15,584	16,154

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	1,047	2,460	1,065	1,524	1,253	892	1,189	1,331	1,384	1,412	1,440	1,469
51020		Overtime		146					0	0	0	0	0	0
51030		Benefits	222	466	247	312	326	169	226	346	360	367	375	382
51500		Directors - Allowance & Stipend			386		401	303	404	426	443	452	461	470
53050		Insurance	35	66	110	71	0	56	75	0	0	0	0	0
53080		Licence & Permits	50			50	114	98	130	121	126	128	131	134
54030		Contracted Services	0	1,582	0	527	541	0	0	575	598	609	622	634
55010		Repairs & Maintenance	146	4,932	0	1,693	809	19	25	859	894	911	930	948
55010		- meter replacement								2,000				
55020		Operating Supplies					0	7	10	0	0	0	0	0
55040		Utilities	2,358	2,493	1,856	2,236	2,606	1,058	2,606	2,768	2,878	2,936	2,995	3,054
		Operating Expenses	1,500	9,653	3,664	4,176	6,050	2,602	4,665	8,425	6,682	6,816	6,952	7,091

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
		Capital Expenses	0	0	0	0	0	0	0	0	0	0	0	0

NON-OPERATING EXPENSES

Account			2019	2020	2021	Average	2022 Budget	2022 YTD Actual	2022 Est Year End	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget
59000		Contribution to Reserve	3,838	4,041	11,492	6,457	5,509	5,509	5,509	4,067	2,118	2,386	2,675	2,986
59500		Transfer to Other Service	1,620	9,545	1,465	4,210	2,182	0	2,182	2,317	2,410	2,458	2,507	2,557
59510		Transfer to Other Service - General Admin. Fee	1,614	1,662	1,745	1,674	817	817	817	868	902	920	939	958
59550		Transfer to Other Service - Environmental Services Fee	1,831	4,370	2,591	2,931	2,185	2,185	2,185	2,320	2,413	2,462	2,511	2,561
		Non-Operating Expenses	8,903	19,618	17,293	15,271	10,693	8,511	10,693	9,572	7,844	8,226	8,632	9,062

Total Service	0	627	1,963	0	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR319-100	Lucas Road Water Utility-Distribution - General		7,757		7,757								
59500	OPR319-112	Lucas Road Water Utility-Transfer to other Service - Fleet	1,147	1,333	893	1,124	1,630	0	1,630	1,731	1,800	1,836	1,873	1,910
59500	OPR319-117	Lucas Road Water Utility-Transfer to other Service - Operator Admin	473	455	572	500	552	0	552	586	610	622	634	647
		Total Transfer to Other Service	1,620	9,545	1,465	9,381	2,182	0	2,182	2,317	2,410	2,458	2,507	2,557

RESERVES

	2023	2024	2025	2026	2027	2028
Balance Previous Year	36,368	42,241	46,730	49,315	52,195	55,392
Interest (Assumed 1%)	364	422	467	493	522	554
Contribution	5,509	4,067	2,118	2,386	2,675	2,986
Withdrawal	0	0	0	0	0	0
	42,241	46,730	49,315	52,195	55,392	58,932

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	3,386					
100 Year	6,539					
		2023	2024	2025	2026	2027

Regional District of Central Kootenay

V-P2

Version P2 - Issued for Water Services Committee Meeting

S246 Water Utility-Area D (Macdonald Creek)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

		Increase in Property Tax
		Increase in Parcel Tax
		Total

No.		2023
		0%
		0%

2024	2025	2026	2027	2028
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%

REVENUE

Account		
41010	Requisitions	
41015	Parcel Taxes	
42020	Sale of Services	
42025	Sale of Services - Specified	
45000	Transfer from Reserves	
49100	Prior Year Surplus	
Revenue		

2020	2021	2022	Average
6,120	6,242	6,120	6,161
24,051	24,532	24,051	24,211
	17,000		17,000
	0		0
704	102	704	503
30,875	47,876	30,874	47,875

2023 Budget	2023 YTD Actual	2023 Est Year End
6,242	6,242	6,242
25,023	25,023	25,023
62,000	0	42,000
(481)	(481)	(481)
92,784	30,784	72,784

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
6,242	6,242	6,242	6,242	6,242
25,023	25,023	25,023	25,023	25,023
20,000	0	0	0	0
178	0	0	0	0
51,443	31,265	31,265	31,265	31,265

OPERATING EXPENSES

Account		
51010	Salaries	
51020	Overtime	
51030	Benefits	
51500	Directors - Allowance & Stipend	
51565	Directors - Mileage	
53050	Insurance	
54030	Contracted Services	
Operating Expenses		

2020	2021	2022	Average
0	19		9
0	4		2
80	96	80	85
80	119	80	97

2023 Budget	2023 YTD Actual	2023 Est Year End
500	34	46
24	39	52
401	505	673
133	71	95
103	88	117
42,000	0	42,000
43,161	737	42,983

6.2%	4%	2%	2%	2%
2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
531	552	563	575	586
0	0	0	0	0
25	26	27	27	28
715	744	759	774	789
101	105	107	109	111
109	114	116	118	121
1,482	1,541	1,572	1,603	1,635

CAPITAL EXPENSES

Account		
60000	CAP1090-100	MCD W - 2021 Weir Removal
Capital Expenses		

2020	2021	2022	Average
0	0	0	0

2023 Budget	2023 YTD Actual	2023 Est Year End
20,000	0	0
20,000	0	0

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
20,000				
20,000	0	0	0	0

NON-OPERATING EXPENSES

Account		
56010	Debenture Interest (MFA 92)	
56020	Debenture Principal (MFA 92)	
59000	Contribution to Reserve	
59500	Transfer to Other Service	
59510	Transfer to Other Service - General Admin. Fee	
59550	Transfer to Other Service - Environmental Services Fee	
Non-Operating Expenses		

2020	2021	2022	Average
2,957	2,493	2,957	2,802
6,579	8,457	6,579	7,205
5,098	25,660	5,098	11,952
910	1,062	910	961
1,553	1,599	1,553	1,568
13,595	9,069	13,595	12,086
30,692	48,341	30,692	36,575

2023 Budget	2023 YTD Actual	2023 Est Year End
2,493	659	2,493
8,457	8,457	8,457
14,337	14,338	14,337
1,476	0	1,476
125	125	125
2,734	2,734	2,734
29,623	26,313	29,623

6.2%	4%	2%	2%	2%
2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
2,493	2,493	2,493	2,493	2,493
8,457	8,457	8,457	8,457	8,457
14,407	13,985	13,859	13,729	13,598
1,568	1,631	1,663	1,696	1,730
133	138	141	144	147
2,904	3,020	3,080	3,142	3,204
29,961	29,724	29,693	29,662	29,630

Total Service		
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0	103	(583)	11,204
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(0)	3,733	178
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0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order	
59500	OPR320-100	Macdonald Creek Water Utility-Distribution - General
59500	OPR320-112	Macdonald Creek Water Utility-Transfer to other Service - Fleet
59500	OPR320-113	Macdonald Creek Water Utility-Transfer to other Service - WaterSmart Program
59500	OPR320-117	Macdonald Creek Water Utility-Transfer to other Service - Operator Admin
Total Transfer to Other Service		

2020	2021	2022	Average
910	1,058	910	959
0	4	0	1
910	1,062	910	961

2023 Budget	2023 YTD Actual	2023 Est Year End
1,293	0	1,293
183	0	183
1,476	0	1,476

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
1,373	1,428	1,457	1,486	1,516
195	203	207	211	215
1,568	1,631	1,663	1,696	1,730

RESERVES

	Balance Previous Year
	Interest (Assumed 1%)
	Contribution
	Withdrawal

2023
282,595
2,826
14,337
(42,000)
257,757

2024	2025	2026	2027	2028
257,757	254,742	271,274	287,846	304,454
2,578	2,547	2,713	2,878	3,045
14,407	13,985	13,859	13,729	13,598
(20,000)	0	0	0	0
254,742	271,274	287,846	304,454	321,096

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	
100 Year	

2,176
31,208

2023

2024	2025	2026	2027	2028
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V-P2

Version P2 - Issued for CAC meeting.

SYSTEM INFORMATION AND RATES

		No.	2023	2024	2025	2026	2027	2028
	Number of Active Parcels in Service Area	214						
	Average Tax per Active Parcel		72	117	176	193	213	251
	Requisition Tax % Increase		20%	62.21%	50%	10%	10%	18%

REVENUE

Account		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41010	Requisitions	11,689	12,273	12,887	11,981	15,464	15,464	15,464	25,084	37,626	41,389	45,528	53,723
43100	Proceeds from Borrowing								106,000				
45000	Transfer from Reserves					51,000		16,434	46,000	0	0	0	27,000
49100	Prior Year Surplus	2,606	4,877	1,096	3,742	2,787	2,788	2,788	8,262	0	0	0	0
Revenue		14,295	17,150	13,983	15,723	69,251	18,252	34,686	185,346	37,626	41,389	45,528	80,723

OPERATING EXPENSES

Account		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010	Salaries	522	1,292	1,397	907	2,172	435	580	1,000	1,040	1,061	1,082	1,104
	- CAP support								1,000				
51020	Overtime - Subtotal		35			104	0	0	111	115	118	120	122
51030	Benefits	77	238	172	158	565	63	84	260	270	276	281	287
	- CAP support								260				
53050	Insurance	21	25	96	23	100	57	76	106	110	112	115	117
54020	Professional Fees					0		0	0	0	0	0	0
54020	- Asset Management Plan and 10 Year Update Plan					0	0	0					
54030	Contracted Services	60			60	5,000	0	0	500	520	530	541	552
54030	- repairs					0			0	0	0	0	0
54030	- Camera Work & Field Assessment					0			0	0	0	0	0
54040	Consulting Fees					15,000	15,459	16,434					
54040	- Asset Management Plan and 10 Year Update Plan					0	0	0	0	0	0	0	0
55010	Repairs and Maintenance		163			2,000	0	0	2,124	2,209	2,253	2,298	2,344
55040	Utilities					0			0	0	0	0	0
55050	Vehicles					0			0	0	0	0	0
55060	Rentals - Subtotal					0			0	0	0	0	0
Operating Expenses		680	1,753	1,664	1,148	24,940	16,014	17,174	5,361	4,265	4,350	4,437	4,526

CAPITAL EXPENSES

Account		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	NO CAP YET RIO W - Ainsworth South Drain Line Replacement					36,000		0	152,000				
60000	NO CAP YET RIO W - Future Upgrades												27,000
Capital Expenses		0	0		0	36,000		0	152,000	0	0	0	27,000

NON-OPERATING EXPENSES

Account		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56120	Short-Term Financing Interest 2023									5,968	4,901	3,775	2,585
56120	Short-Term Financing Principal 2023									18,943	20,010	21,137	22,327
59000	Contribution to Reserve	2,203	7,209	2,162	4,706	760	760	760	9,967	111	3,622	7,504	15,436
59500	Transfer to Other Service	1,337	1,337	1,396	1,337	1,577	940	2,517	11,675	1,742	1,777	1,812	1,848
59510	Transfer to Other Service - General Admin. Fee	300	300	300	300	300	300	300	319	331	338	345	352
59550	Transfer to Other Service - Environmental Services Fee	4,508	5,455	5,673	4,982	5,673	5,673	5,673	6,025	6,266	6,391	6,519	6,649
Non-Operating Expenses		8,348	14,301	9,531	11,324	8,310	7,673	9,250	27,985	33,361	37,039	41,090	49,197

Principal Plus Contribution to Reserves

Total Service	1	(5,435)	8,262	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order	2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR321-112 Riondel Drainage-Transfer to Other Service - Tax Bylaw Public Assent Process								10,000				
59500	OPR321-112 Riondel Drainage-Transfer to Other Service - Fleet	910	1,058	709	984	1,293	0	1,293	1,373	1,428	1,457	1,486	1,516
59500	OPR321-114 RIO F Riondel Drainage-Transfer to Other Service - Project Management					0	940	940					
59500	OPR321-117 Riondel Drainage-Transfer to Other Service - Operator Admin	427	279	687	353	284	0	284	302	314	320	326	333
Total Transfer to Other Service		1,337	1,337	1,396	1,337	1,577	940	2,517	11,675	1,742	1,777	1,812	1,848

RESERVES

	2023	2024	2025	2026	2027	2028
Balance Previous Year	51,216	36,055	382	497	4,124	11,669
Interest (Assumed 1%)	512	361	4	5	41	117
Contribution	760	9,967	111	3,622	7,504	15,436
Withdrawal	(16,434)	(46,000)	0	0	0	(27,000)
	36,055	382	497	4,124	11,669	221

2022 Asset Management Plan Identified Contribution to Reserves
Excludes 2023 planned replacements

32,433

Regional District of Central Kootenay
V-P2

Version P - Issued for CAC meeting.

S241 Water Utility-Area A (Riondel)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

					No.	2023	2024	2025	2026	2027	2028
		Active Accounts			199						
						5%	6%	3%	3%	3%	3%
		M-RIONDEL-DWELLING-METERED			1	333	353	364	374	386	397
		- Metered Base Rate			30	1.27	1.35	1.39	1.43	1.47	1.52
		- Consumption (m3)									
		Service Charges % Increase				5%	6%	3%	3%	3%	3%
		RIO-COMMERCIAL- BUSINESS			1	838	888	915	942	971	1,000
		RIO-COMMERCIAL- CAMPGROUND			1	4,162	4,412	4,544	4,680	4,821	4,965
		RIO-COMMERCIAL- GOLF COURSE			1	15,575	16,510	17,005	17,515	18,040	18,582
		RIO-COMMERCIAL-FOOD & BEV SERVICES			1	1,456	1,543	1,590	1,637	1,686	1,737
		RIO-COMMERCIAL-REC-SEASONAL-PER UNIT			2	520	551	568	585	602	620
		RIO-DWELLING-MULTI FAMILY-ADDITIONAL			6	838	888	915	942	971	1,000
		RIO-DWELLING-MULTI FAMILY-FIRST DWELLING			3	838	888	915	942	971	1,000
		RIO-DWELLING-SINGLE FAMILY			191	838	888	915	942	971	1,000
		RIO-INSTITUTIONAL- AMBULANCE STATION			1	1,243	1,318	1,357	1,398	1,440	1,483
		RIO-INSTITUTIONAL- CHURCH			1	838	888	915	942	971	1,000
		RIO-INSTITUTIONAL- CHURCH SEASONAL			1	520	551	568	585	602	620
		RIO-INSTITUTIONAL-RDCK-FIRE HALL			1	0	0	0	0	0	0
		Number of Parcels Assessed Frontage Tax			214						
		Parcel Tax % Increase				4%	0%	2%	2%	2%	2%
						257	257	262	267	273	278

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41010		Requisitions												
41015		Parcel Taxes	52,876	52,876	52,876	52,876	54,991	54,991	54,991	54,991	56,091	57,213	58,357	59,524
42020		Sale of Services		1,460		1,460								
42025		Sale of Services - Specified	1,000	(1,000)		0		200	200					
42030		User Fees	165,494	173,590	181,234	173,439	190,609	189,357	189,357	205,262	211,420	217,762	224,295	231,024
43100		Proceeds from Borrowing												320,000
43020		Grants					17,191	17,191	17,191					
43030		Community Works Grants (Internal)												
45000		Transfer from Reserves	35,574	2,196		18,885	160,000	0	2,280	168,000	75,000	0	0	580,000
49100		Prior Year Surplus	621	13,009	22,351	11,994	(5,300)	(5,243)	(5,243)	4,015	0	0	0	0
Revenue			255,565	242,131	256,461	258,654	417,491	256,495	258,775	432,268	342,510	274,975	282,652	1,190,548

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	27,224	25,590	28,006	26,940	35,671	21,188	28,251	35,671	37,098	37,840	38,597	39,368
51010		- Leak detection					1,000			1,000				
51020		Overtime	2,227	785	418	1,143	2,118	1,214	1,619	2,249	2,339	2,386	2,434	2,482
51030		Benefits	4,312	4,865	4,116	4,431	9,274	3,648	4,864	9,849	10,243	10,448	10,657	10,870
51030		- Leak detection					190			260				
51050		Employee Health & Safety	0	0	0	0	0	854	854	0	0	0	0	0
51500		Directors - Allowance & Stipend			386		401	505	673	715	744	759	774	789
51565		Directors - Mileage			76		79	187	250	265	276	281	287	293
52010		Travel	271	0	0	90	289	0	0	307	319	326	332	339
52020		Education and Training	0	0	0	0	212	10	1,500	225	234	239	244	248
52030		Memberships, Dues & Subscriptions	60	0	300	120	312	300	300	331	345	351	359	366
53020		Admin, Office Supplies & Postage	0	5	0	2				0	0	0	0	0
53030		Communication	1,170	1,215	1,072	1,152	1,115	777	1,036	1,184	1,231	1,256	1,281	1,307
53050		Insurance	4,093	3,941	5,247	4,427	4,782	4,024	5,366	5,078	5,282	5,387	5,495	5,605
53080		Licence & Permits	150	761	310	407	1,147	414	553	587	610	623	635	648
54030		Contracted Services	6,936	9,952	4,775	7,221	8,243	2,866	3,821	8,754	9,104	9,286	9,472	9,662
		- Invasive Plant Management					1,110		1,110		0	0	0	0
55010		Repairs & Maintenance	4,926	7,249	13,972	8,716	5,610	11,793	11,793	5,958	6,196	6,320	6,446	6,575
55020		Operating Supplies	712	693	4,575	1,993	4,758	4,146	5,528	5,053	5,255	5,360	5,467	5,577
55025		Chemicals	6,437	7,584	8,870	7,630	9,225	9,547	12,730	9,797	10,189	10,393	10,600	10,812
55030		Equipment	399	296	0	232	0	433	577	613	638	650	663	677
55030		- Chlorine analyser								8,000				
55040		Utilities	6,156	6,268	6,489	6,304	6,749	4,932	6,576	7,167	7,454	7,603	7,755	7,910
55050		Vehicles	902	1,112	1,493	1,169	1,553	1,069	1,426	1,649	1,715	1,750	1,785	1,820
Operating Expenses			65,975	70,316	80,105	71,978	93,838	67,910	88,827	104,715	99,273	101,258	103,283	105,349

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1005-100	Reservoir Valve Chamber & Meter					70,000	0	0	70,000				
60000	CAP1092-100	RIO W - 2024 WTP Membrane Replacement & Capacity Upgrade									75,000			
60000	CAP1217-100	RIO W - 2021 Intake Repairs					10,000	0	0	10,000				
60000	CAP1216-100	RIO W - 2022 portable generator purchase and install					80,000	0	0	80,000				
60000	NO CAP YET	Rio W - ? Twinning reservoir?												900,000
Capital Expenses							160,000	0	0	160,000	75,000	0	0	900,000

NON-OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56010		Debenture Interest (MFA 117)	8,125	7,150	3,675	6,317	3,675	1,032	3,675	3,675	3,675	3,675	3,675	3,675
56020		Debenture Principal (MFA 117)	6,003	6,003	6,699	6,235	6,699	0	6,699	6,699	6,699	6,699	6,699	6,699
59000		Contribution to Reserve	26,616	50,941	89,549	55,702	87,895	87,895	87,895	91,459	89,514	93,626	97,884	102,292
59500		Transfer to Other Service	17,359	12,162	19,548	16,356	12,236	1,710	14,516	9,278	9,649	9,842	10,039	10,239
59510		Transfer to Other Service - General Admin. Fee	15,200	15,656	16,439	15,765	13,183	13,183	13,183	14,000	14,560	14,852	15,149	15,452
59520		Transfer to Other Service - IT Fee	4,690	4,750	4,810	4,750	5,516	5,516	5,516	5,858	6,092	6,214	6,338	6,465
59550		Transfer to Other Service - Environmental Services Fee	62,014	50,847	40,879	51,247	34,449	34,449	34,449	36,585	38,048	38,809	39,585	40,377
Non-Operating Expenses			140,007	147,509	181,598	156,371	163,653	143,785	165,933	167,553	168,238	173,717	179,369	185,199

Total Service			49,583	24,307	(5,243)	30,305	160,000	44,800	4,015	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	CAP1005-100	RIO W - Reservoir Valve Chamber & Meter (2021)					0	720	960					
59500	CAP1216-100	RIO W - 2021 Portable generator					0	990	1,320					
59500	OPR322-100	Riondel Water Utility-Distribution - General	3,730	3,730	3,730	3,730								
59500	OPR322-100	- Truck Loan Interest					200	0	200	0				
59500	OPR322-100	- Truck Loan Principal					3,300	0	3,300	0				
59500	OPR322-112	Riondel Water Utility-Transfer to other Service - Fleet	2,752	3,198	2,143	2,698	3,911	0	3,911	4,153	4,320	4,406	4,494	4,584
59500	OPR322-114	Riondel Water Utility-Transfer to other Service - Project Management												
59500	OPR322-117	Riondel Water Utility-Transfer to other Service - Operator Admin	10,877	5,234	13,675	9,929	4,825	0	4,825	5,124	5,329	5,436	5,544	5,655
Total Transfer to Other Service			17,359	12,162	19,548	16,356	12,236	1,710	14,516	9,278	9,649	9,842	10,039	10,239

RESERVES

		2023	2024	2025	2026	2027	2028
	Balance Previous Year						
	RES 162 Riondel Water Reserve	248,247	334,904	261,711	278,843	375,257	476,893
	RES 163 Riondel Water Capital Utility	0	0	0	0	0	0
	Total	246,821	334,904	261,711	278,843	375,257	476,893
	Interest (Assumed 1%)	2,468	3,349	2,617	2,788	3,753	4,769
	Contribution	87,895	91,459	89,514	93,626	97,884	102,292
	Withdrawal	(2,280)	(168,000)	(75,000)	0	0	(580,000)
		334,904	261,711	278,843	375,257	476,893	3,954

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	91,715					
100 Year	114,744	2023	2024	2025	2026	2027
						2028

Regional District of Central Kootenay

V-P2

Version P2 - Issued for Water Services Committee Meeting

S260 Water Utility-Area H (Rosebery)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

	Active Accounts	
	Service Charges % Increase	
	ROH-UNDEVELOPED PARCEL	
	Service Charges % Increase	
	ROH-DWELLING- SINGLE FAMILY	
		Total
	Metered Rate	
	Base Charge	
	Metered Consumption	
	Parcel Tax % Increase	
	Parcel Tax	
	Total	

REVENUE

Account		
41010	Requisitions	
41015	Parcel Taxes	
42020	Sale of Services	
42025	Sale of Services - Specified	
42030	User Fees	
45000	Transfer from Reserves	
49100	Prior Year Surplus	
Revenue		

OPERATING EXPENSES

Account		
51010	Salaries	
51020	Overtime	
51030	Benefits	
51500	Directors - Allowance & Stipend	
51565	Directors - Mileage	
53020	Admin, Office Supplies & Postage	
53030	Communication	
53050	Insurance	
53080	Licence & Permits	
54030	Contracted Services	
55010	Repairs & Maintenance	
55020	Operating Supplies	
55025	Chemicals	
55040	Utilities	
Operating Expenses		

CAPITAL EXPENSES

Account		
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Capital Expenses

NON-OPERATING EXPENSES

Account		
59000	Contribution to Reserve	
59500	Transfer to Other Service	
59510	Transfer to Other Service - General Admin. Fee	
59550	Transfer to Other Service - Environmental Services Fee	
Non-Operating Expenses		

Total Service

59500 TRANSFER TO OTHER SERVICE

Account	Work Order	
59500	OPR323-100	Rosebery Water Utility-Distribution - General
59500	OPR323-103	Rosebery Water Utility-Distribution - Operations
59500	CAP947-100	DO NOT USE ROS
59500	OPR323-112	Rosebery Water Utility-Transfer to other Service - Fleet
59500	OPR323-117	Rosebery Water Utility-Transfer to other Service - Operator Admin
Total Transfer to Other Service		

RESERVES

Balance Previous Year
Interest (Assumed 1%)
Contribution
Withdrawal

2022 Asset Management Plan Identified Contribution to Reserves

25 Year
100 Year

No.		2023
20		
		15%
12		955
		15%
9		1,365
21		
		239
		2.66
		0%
20		314

2023 Budget	2023 YTD Actual	2023 Est Year End
6,280	6,280	6,280
	4,037	4,037
23,741	24,160	24,160
0		
(803)	(801)	(801)
29,218	33,676	33,676

2023 Budget	2023 YTD Actual	2023 Est Year End
4,695	6,351	8,467
111	376	501
1,221	1,134	1,512
504	505	673
	20	27
0	0	0
416	193	257
748	420	560
165	19	25
976	1,610	2,146
1,166	2,318	3,091
90	147	196
199	264	352
1,776	867	1,156
12,067	14,223	18,963

2023 Budget	2023 YTD Actual	2023 Est Year End
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2023 Budget	2023 YTD Actual	2023 Est Year End
2,082	2,082	2,082
8,110	0	8,110
2,006	2,006	2,006
4,953	4,953	4,953
17,151	9,041	17,151

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2023 Budget	2023 YTD Actual	2023 Est Year End
6,001	0	6,001
2,109	0	2,109
8,110	0	8,110

2024	2025	2026	2027	2028
2%	2%	2%	2%	2%
974	993	1,013	1,033	1,054
15%	10%	5%	5%	5%
1,570	1,726	1,813	1,903	1,999
275	303	318	334	350
3.05	3.36	3.53	3.70	3.89
10%	5%	5%	5%	5%
345	363	381	400	420

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
6,908	7,253	7,616	7,997	8,397
25,812	27,459	28,474	29,533	30,638
0	0	0	0	0
(2,438)	0	0	0	0
30,282	34,712	36,090	37,530	39,034

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
4,986	5,186	5,289	5,395	5,503
118	123	125	128	130
1,297	1,349	1,376	1,403	1,431
715	744	759	774	789
28	29	30	31	31
0	0	0	0	0
442	459	469	478	488
794	826	843	860	877
27	28	28	29	29
1,037	1,078	1,100	1,122	1,144
1,238	1,288	1,314	1,340	1,367
208	217	221	225	230
374	389	397	405	413
1,886	1,962	2,001	2,041	2,082
13,150	13,676	13,950	14,229	14,513

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
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2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
1,129	4,392	5,164	5,985	6,859
8,613	8,957	9,136	9,319	9,506
2,130	2,216	2,260	2,305	2,351
5,260	5,470	5,580	5,691	5,805
17,132	21,036	22,140	23,301	24,521

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2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
6,373	6,628	6,761	6,896	7,034
2,240	2,329	2,376	2,423	2,472
8,613	8,957	9,136	9,319	9,506

2024	2025	2026	2027	2028
91,613	93,657	98,986	105,140	112,177
886	916	990	1,051	1,122
1,129	4,392	5,164	5,985	6,859
0	0	0	0	0
91,613	93,657	98,986	105,140	112,177

2024	2025	2026	2027	2028

Regional District of Central Kootenay
V-P2

Version P2 - Issued for CAC meeting

S242 Water Utility-Area A (Sanca Park)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

		Active Accounts
		Service Charges % Increase
		SAN-DWELLING-SINGLE FAMILY
		Parcel Tax % Increase
		Parcel Tax
		Total

No.		2023	2024	2025	2026	2027	2028
28							
		2%	6%	2%	2%	2%	2%
28		737	781	797	813	829	846
		0%	0%	0%	0%	0%	0%
32		495	495	495	495	495	495

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41015		Parcel Taxes	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840
42030		User Fees	23,612	24,141	20,533	22,762	20,635	20,783	20,783	21,873	22,310	22,757	23,212	23,676
45000		Transfer from Reserves		4,853		4,853	40,000	0	0	45,000	0	0	0	0
49100		Prior Year Surplus	1,127	2,283	717	1,376	1,450	1,451	1,451	(144)	0	0	0	0
Revenue			40,579	47,117	37,090	44,831	77,925	38,074	38,074	82,569	38,150	38,597	39,052	39,516

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	2,064	1,815	1,943	1,941	2,063	1,475	1,967	2,191	2,278	2,324	2,371	2,418
51020		Overtime	0	0	0	0	226	0	0	239	249	254	259	264
51030		Benefits	204	144	206	185	536	157	210	570	592	604	616	629
51500		Directors - Allowance & Stipend			386		403	303	404	428	445	454	463	472
51565		Directors - Mileage			76			187	250	265	276	281	287	293
52010		Travel	17			17	79	45	60	84	87	89	91	93
53020		Admin, Office Supplies & Postage	400	400	500	433	500	500	500	0	0	0	0	0
53050		Insurance	103	123	158	128	256	125	167	272	283	288	294	300
53080		Licence & Permits	150	312	235	232	337	215	287	358	372	380	387	395
54010		Legal	0	0	0	0				0	0	0	0	0
54010		- SROW for intake					2,000	0	0	2,000				
54030		Contracted Services	1,222	71	78	457	454	1,314	1,752	483	502	512	522	533
54030		- signage for BWN to satisfy policy								5,000				
55010		Repairs & Maintenance	0	488	0	163	563	57	75	598	621	634	647	659
55020		Operating Supplies	0	0	0	0	34	0	0	36	38	39	39	40
55050		Vehicles		577		577	0	45	60	0	0	0	0	0
Operating Expenses			4,160	3,353	3,581	3,556	7,451	4,424	5,732	12,523	5,744	5,859	5,976	6,096

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1006-100	North Water Line Relocation					38,000	0	0	38,000				
Capital Expenses			0	0	0	0	38,000	0	0	38,000	0	0	0	0

NON-OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56110		Short-Term Financing Interest	597	151		374								
56120		Short-Term Financing Principal	15,695	20,548		18,122								
59000		Contribution to Reserve	3,053	3,231	20,440	8,908	21,891	21,891	21,891	20,794	20,704	20,802	20,901	21,002
59500		Transfer to Other Service	2,657	3,327	2,171	2,718	3,916	0	3,916	4,159	4,325	4,412	4,500	4,590
59510		Transfer to Other Service - General Admin. Fee	3,581	3,689	3,873	3,714	1,982	1,982	1,982	2,105	2,189	2,233	2,278	2,323
59550		Transfer to Other Service - Environmental Services Fee	8,553	11,524	5,574	8,550	4,697	4,697	4,697	4,988	5,188	5,291	5,397	5,505
Non-Operating Expenses			34,136	42,470	32,058	42,387	32,486	4,697	32,486	32,046	32,406	32,737	33,075	33,420

Total Service							(12)	28,953	(144)	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR324-100	Sanca Park Water Utility-Distribution - General												
59500	OPR324-112	Sanca Park Water Utility-Transfer to other Service - Fleet	2,548	2,962	1,984	2,498	3,621	0	3,621	3,846	3,999	4,079	4,161	4,244
59500	OPR324-117	Sanca Park Water Utility-Transfer to other Service - Operator Adm	109	365	187	220	295	0	295	313	326	332	339	346
Total Transfer to Other Service			2,657	3,327	2,171	2,718	3,916	0	3,916	4,159	4,325	4,412	4,500	4,590

RESERVES

		2023	2024	2025	2026	2027	2028
	Balance Previous Year	63,393	85,918	62,571	83,901	105,541	127,497
	Interest (Assumed 1%)	634	859	626	839	1,055	1,275
	Contribution	21,891	20,794	20,704	20,802	20,901	21,002
	Withdrawal	0	(45,000)	0	0	0	0
		85,918	62,571	83,901	105,541	127,497	149,774

2022 Asset Management Plan Identified Contribution to Reserves (Revised Pipe Replacement Costs)

25 Year	12,911
100 Year	24,366

Version P2 - Issued for CAC meeting.

2024 to 2028 Financial Plan

No.	2023	2024	2025	2026	2027	2028
50						
	10%	7%	7%	5%	5%	5%
1	0	0	0	0	0	0
1	1,977	2,115	2,263	2,376	2,495	2,620
1	5,079	5,435	5,815	6,106	6,411	6,732
1	1,977	2,115	2,263	2,376	2,495	2,620
1	1,977	2,115	2,263	2,376	2,495	2,620
48	1,977	2,115	2,263	2,376	2,495	2,620
0	1,382	1,479	1,583	1,662	1,745	1,832
0	1,977	2,115	2,263	2,376	2,495	2,620
	198	212	227	238	250	263
	2.00	2.43	2.60	2.73	2.87	3.01
		25%	0%	0%	100%	0%
12	134.99	169	169	169	338	338
12	0	0	0	0	0	0
42	134.99	169	169	169	338	338
42	157.01	157	157	157	157	157
42	292	326	326	326	495	495

OPERATING EXPENSES									6.2%	4%	2%	2%	2%	
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010	Salaries		10,543	12,429	13,788	12,253	14,395	10,117	13,490	15,287	15,899	16,217	16,541	16,872
51010	- leak detection						2,000		0	2,000				
51020	Overtime		980	1,061	370	804	997	674	899	1,059	1,101	1,123	1,146	1,169
51030	Benefits		2,094	2,458	2,713	2,422	3,743	1,811	2,415	3,975	4,134	4,216	4,301	4,387
	- leak detection						520		0	552				
51050	Employee Health & Safety		0	249	0	83	89	0	0	95	98	100	102	104
51500	Directors - Allowance & Stipend				483		504	303	404	535	557	568	579	591
51565	Directors - Mileage						0	20	27	28	30	30	31	31
52030	Memberships, Dues & Subscriptions		0	0	100	0	100	50	67	106	110	113	115	117
53020	Admin, Office Supplies & Postage		12	5	0	6	31	16	21	33	34	35	36	36
53030	Communication		868	1,016	1,026	970	1,075	787	1,049	1,142	1,187	1,211	1,235	1,260
53050	Insurance		1,942	2,239	2,232	2,138	2,422	1,349	1,798	2,572	2,675	2,729	2,783	2,839
53080	Licence & Permits		270	505	124	300	546	206	274	580	603	615	627	640
54030	Contracted Services		1,612	2,792	2,024	2,143	4,501	1,358	1,810	4,780	4,971	5,071	5,172	5,276
55010	Repairs & Maintenance		3,851	3,892	1,395	3,046	7,526	5,122	6,829	7,993	8,312	8,479	8,648	8,821
55020	Operating Supplies		20,480	9,738	8,405	12,874	8,741	2,780	3,707	6,000	6,240	6,365	6,492	6,622
55025	Chemicals		1,120	896	941	986	979	1,074	1,432	1,521	1,582	1,613	1,646	1,679
55030	Equipment		0		1,435	718	0	10	13	0	0	0	0	0
55040	Utilities		1,447	1,559		1,503	1,966	1,264	1,685	2,088	2,171	2,215	2,259	2,304
Operating Expenses			45,219	38,839	35,036	40,244	50,134	26,940	35,920	50,345	49,705	50,699	51,713	52,740

NON-OPERATING EXPENSES										6.2%	4%	2%	2%	2%
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56010	Debtenture Interest		4,500	13,801	2,999	7,100		788						
56010	- MFA 139						1,974	1,974	1,974	1,974	1,974	1,974	1,974	1,974
56010	- MFA 112						1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025
56020	Debtenture Principal		4,502	4,725	4,725	4,650		0	0					
56020	- MFA 139						3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565
56020	- MFA 112						2,147	2,147	2,147	2,147	2,147	2,147	2,147	2,147
59000	Contribution to Reserve		28,871	14,630	13,133	18,878	25,154	25,154	25,154	36,197	26,780	30,805	44,235	48,820
59500	Transfer to Other Service		6,777	5,207	8,459	6,814	10,838	0	10,838	11,510	11,970	12,210	12,454	12,703
59510	Transfer to Other Service - General Admin. Fee		4,405	4,537	4,764	4,569	5,214	5,214	5,214	5,537	5,759	5,874	5,991	6,111
59520	Transfer to Other Service - IT Fee		4,690	4,750	4,810	4,750	5,516	5,516	5,516	5,858	6,092	6,214	6,338	6,465
59550	Transfer to Other Service - Environmental Services Fee		15,579	19,297	30,008	21,628	25,289	25,289	25,289	26,857	27,931	28,490	29,600	29,641
Non-Operating Expenses			69,324	66,946	68,898	68,389	80,722	61,961	80,722	94,670	87,244	92,304	106,790	112,451

S9500 TRANSFER TO OTHER SERVICE														
Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR325-100	South Slocan Water Utility-Distribution - General												
59500	OPR325-112	South Slocan Water Utility-Transfer to other Service - Fleet	2,293	2,665	1,786	2,248	3,259	0	3,259	3,461	3,600	3,671	3,745	3,820
59500	OPR325-113	South Slocan Water Utility-Transfer to other Service - WaterSmart Program												
59500	OPR325-117	South Slocan Water Utility-Transfer to other Service - Operator Admin	4,484	2,542	6,673	4,566	7,579	0	7,579	8,049	8,371	8,538	8,709	8,883
Total Transfer to Other Service			6,777	5,207	8,459	6,814	10,838	0	10,838	11,510	11,970	12,210	12,454	12,703

	2023	2024	2025	2026	2027	2028
Balance Previous Year	49,817	69,763	82,318	111,072	140,673	186,315
Interest (Assumed 1%)	498	698	823	1,111	1,407	1,863
Contribution	25,289	26,857	27,931	28,490	44,235	48,820
Withdrawal	(5,841)	(15,000)	0	0	0	(250,000)
	69,763	82,318	111,072	140,673	186,315	(13,002)

25 Year
100 Year

100,957
118,043

S257 Water Utility-Area F (Woodland Heights)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

			No.		2023	2024	2025	2026	2027	2028
		Active Accounts	22							
		Service Charges % Increase			-10%	4%	2%	2%	2%	2%
		WDH-DWELLING- SINGLE FAMILY	22		1,521	1,582	1,614	1,646	1,679	1,713
		Mulifamily - First Dwelling	0		1,521	1,582	1,614	1,646	1,679	1,713
		Mulifamily - Additional Dwelling	0		1,521	1,582	1,614	1,646	1,679	1,713
		Mulifamily - Secondary Suite	0		913	949	968	988	1,007	1,028
		Metered Rate	0							
		Base Charge			151	157	160	164	167	170
		Metered Consumption			2.09	2.17	2.21	2.26	2.30	2.35
		Parcel Tax % Increase			25%	0%	0%	0%	0%	25%
		Parcel Tax	27		259	259	259	259	259	323
		Total								

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41015		Parcel Taxes	5,589	5,589	5,589	5,589	6,986	6,993	6,993	6,986	6,986	6,986	6,986	8,733
42030		User Fees	18,420	20,775	37,518	25,571	31,946	33,462	33,462	34,806	35,502	36,212	36,937	37,675
43030		Community Works Grant	34,653	0	0	11,551	10,000		89,128	0				
45000		Transfer from Reserves	6,300		38,632	22,466	0	0	0	0	0	0	0	0
49100		Prior Year Surplus	1,916	1,730	(37,835)	(11,396)	146	(77,098)	(77,098)	13,118	0	0	0	0
Revenue			66,878	28,095	43,904	53,781	49,078	(36,643)	52,486	54,910	42,489	43,199	43,923	46,408

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	9,075	10,148	7,160	8,794	7,308	3,452	4,602	7,761	8,072	8,233	8,398	8,566
51020		Overtime	636	2,715	531	1,294	554	136	181	588	612	624	637	649
51030		Benefits	1,693	2,056	1,330	1,693	1,900	607	809	2,018	2,099	2,140	2,183	2,227
51050		Employee Health & Safety		23		23			0	0	0	0	0	0
51500		Directors - Allowance & Stipend			483		504	303	404	535	557	568	579	591
51565		Directors - Mileage					0	18	24	26	27	27	28	28
53030		Communication	508	533	1,827	956	650	300	399	690	718	732	747	762
53050		Insurance	387	572	721	560	618	461	614	656	683	696	710	724
53080		Licence & Permits	200	515	20	245	557	199	266	592	615	627	640	653
54030		Contracted Services	227	24,422	1,678	8,776	1,745	529	706	1,853	1,927	1,966	2,005	2,045
55010		Repairs & Maintenance	397	1,358	26	594	649	41	55	689	717	731	746	761
55020		Operating Supplies	328	43	107	159	111	147	196	208	217	221	225	230
55025		Chemicals	587	165	260	337	495	193	257	526	547	558	569	580
55030		Equipment	86	62		74			0					
55040		Utilities	1,439	1,531	1,460	1,477	2,207	1,187	1,583	2,344	2,438	2,486	2,536	2,587
Operating Expenses			15,563	44,143	15,603	24,982	17,298	7,573	10,098	18,487	19,226	19,611	20,003	20,403

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1310-100	WDH - Well development					10,000	7,490	7,490					
Capital Expenses			0	0		0	10,000	7,490	7,490	0	0	0	0	0

NON-OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59000		Contribution to Reserve	171	2276.35	13,915	5,454	7,674	7,674	7,674	21,443	7,683	7,697	7,711	9,472
59500		Transfer to Other Service	5,806	4,861	4,829	5,165	5,829	0	5,829	6,190	6,438	6,567	6,698	6,832
59510		Transfer to Other Service - General Admin. Fee	2,543	2,620	2,751	2,638	2,665	2,665	2,665	2,830	2,943	3,002	3,062	3,124
59550		Transfer to Other Service - Environmental Services Fee	6,411	7,082	6,659	6,717	5,612	5,612	5,612	5,960	6,198	6,322	6,449	6,578
Non-Operating Expenses			14,931	16,839	28,154	19,975	21,780	15,951	21,780	36,424	23,263	23,588	23,920	26,005

Total Service	0	(67,657)	13,118	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR328-112	Woodland Heights Water Utility-Transfer to other Service - Fleet	2,075	2,412	1,616	2,034	2,412	0	2,412	2,562	2,664	2,717	2,772	2,827
59500	OPR328-113	Woodland Heights Water Utility-Transfer to other Service - WaterSmart Program												
59500	OPR328-117	Woodland Heights Water Utility-Transfer to other Service - Operator Admin	3,731	2,449	3,213	3,131	3,417	0	3,417	3,629	3,774	3,849	3,926	4,005
Total Transfer to Other Service			5,806	4,861	4,829	5,165	5,829	0	5,829	6,190	6,438	6,567	6,698	6,832

RESERVES

	2023	2024	2025	2026	2027	2028
Balance Previous Year	26,854	34,797	56,588	64,837	73,182	81,624
Interest (Assumed 1%)	269	348	566	648	732	816
Contribution	7,674	21,443	7,683	7,697	7,711	9,472
Withdrawal	0	0	0	0	0	0
	34,797	56,588	64,837	73,182	81,624	91,913

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	11,636						
100 Year	19,879						
		2023	2024	2025	2026	2027	2028

Regional District of Central Kootenay

S259 Water Utility-Area D (Woodbury)

2024 to 2028 Financial Plan

V-P2

Version P2 - Issued for CAC meeting.

SYSTEM INFORMATION AND RATES

			No.		2023	2024	2025	2026	2027	2028
		Active Accounts	41							
		Accounts Using Water	34							
		Accounts Not Using Water	7							
		Service Charges % Increase			9%	4%	4%	4%	4%	4%
		WDV-DWELLING-MULTI FAMILY FIRST DWELLING	5		951	989	1,029	1,070	1,113	1,158
		WDV-DWELLING- MULTI FAMILY- ADDITIONAL	5		500	520	540	562	585	608
		WDV-DWELLING-SINGLE FAMILY	29		951	989	1,029	1,070	1,113	1,158
					0%	0%	0%	0%	0%	0%
		WDV-UNDEVELOPED PARCEL	7		377	377	377	377	377	377
		Metered Rate								
		Base Charge			135	141	146	152	158	164
		Metered Consumption			3.88	4.04	4.20	4.36	4.54	4.72
		Parcel Tax % Increase			0%	25%	0%	0%	0%	25%
		Parcel Tax	41		426	533	533	533	533	666
		Total								

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41010		Requisitions												
41015		Parcel Taxes	17,466	17,466	17,466	17,466	17,466	17,466	17,466	21,833	21,833	21,833	21,833	27,291
42025		Sale of Services - Specified												
42030		User Fees	28,291	29,707	35,195	31,064	37,486	38,181	38,181	38,880	40,329	41,837	43,405	45,035
43015		Donations - Specified	3,120			3,120								
43020		Grants					49,976	49,976	49,976					
43025		Grants - Specified	0	153,869	42,649	65,506	284,322	0	284,322	41,416				
43030		Community Works Grants	0		85,440	42,720		1,750	1,750					
45000		Transfer from Reserves	13,732	12,105	6,709	10,849	27,000	0	27,000	4,000	0	0	0	0
49100		Prior Year Surplus	(8,240)	(5,240)	5,035	(2,815)	49,372	50,590	50,590	57,471	(11,894)	(11,894)	(11,894)	(11,894)
Revenue			54,369	207,907	192,495	167,910	465,622	157,963	469,285	163,599	50,268	51,775	53,343	60,432

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	3,036	3,874	9,281	5,397	8,352	2,244	2,992	8,870	9,225	9,409	9,597	9,789
51020		Overtime	72	49	996	372	217	0	0	230	240	244	249	254
51030		Benefits	536	667	1,528	910	2,172	403	537	2,307	2,399	2,447	2,496	2,546
51500		Directors - Allowance & Stipend			386	386	403	303	404	428	445	454	463	472
51565		Directors - Mileage			128	128	133	71	95	141	147	150	153	156
53020		Admin, Office Supplies & Postage	6			6	0	16	21	0	0	0	0	0
53030		Communication		0	0	0	541	0	0	1,000	1,040	1,061	1,082	1,104
53040		Advertising			905	905			0	0	0	0	0	0
53050		Insurance	402	654	63	373	1,983	595	793	2,106	2,190	2,234	2,279	2,324
53080		Licence & Permits	450	513	5,951	2,305	676	190	254	718	747	762	777	792
54010		Legal					14,500	0	14,500	2,000				
54030		Contracted Services	920	416	4,276	1,871	1,190	346	462	1,264	1,314	1,341	1,367	1,395
55010		Repairs & Maintenance	329	298	1,497	708	1,082	550	734	1,149	1,195	1,219	1,243	1,268
55020		Operating Supplies	481	423	859	588	1,072	167	223	1,138	1,184	1,208	1,232	1,256
55025		Chemicals	71	51	(96)	9	595	43	57	632	657	670	684	697
55040		Utilities	1,423	1,805	2,023	1,750	2,380	1,228	1,637	2,528	2,629	2,681	2,735	2,790
Operating Expenses			7,726	8,751	27,796	15,708	35,296	6,157	22,709	24,511	23,411	23,879	24,357	24,844

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1221-100	WDV W - 2021 SROW Water Line Protection					1,021	1,216	1,216					
60000	CAP1422-100	WDV W - 2023 Water Quality Upgrades					341,416	127,992	300,000	41,416				
Capital Expenses			0	0	0	0	342,437	129,208	301,216	41,416	0	0	0	0

NON-OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59000		Contribution to Reserve	18,991	12,739	3,194	11,641	53,938	53,938	53,938	77,475	9,536	9,991	10,485	16,479
59500		Transfer to Other Service	17,386	15,818	11,526	14,910	14,901	1,870	14,901	11,860	8,175	8,338	8,505	8,675
59510		Transfer to Other Service - General Admin. Fee	3,837	3,952	4,150	3,980	4,256	4,256	4,256	4,520	4,701	4,795	4,891	4,988
59550		Transfer to Other Service - Environmental Services Fee	11,669	15,648	17,555	14,957	14,794	14,794	14,794	15,711	16,340	16,666	17,000	17,340
Non-Operating Expenses			51,883	48,157	36,425	45,488	87,889	74,858	87,889	109,566	38,751	39,790	40,880	47,482

Total Service	(0)	(52,260)	57,471	(11,894)	(11,894)	(11,894)	(11,894)	(11,894)
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	CAP1222-100	WDV W - 2021 Water Quality Upgrades												
59500	CAP1222-100	WDV W - 2021 Water Quality Upgrades - Project Management			3,968		7,500							
59500	OPR327-100	Woodbury Water Utility-Distribution - General												
59500	OPR327-112	Woodbury Water Utility-Transfer to other Service - Fleet	2,563	2,978	1,996	2,771	3,642		3,642	3,868	4,023	4,103	4,185	4,269
59500	OPR327-114	WDV W Woodbury Water Utility-Transfer to other Service - Project Ma	13,563	12,105	3,970	12,834		1,870	7,500	4,000				
59500	OPR327-117	Woodbury Water Utility-Transfer to other Service - Operator Admin	1,260	735	1,592	998	3,759		3,759	3,992	4,152	4,235	4,320	4,406
Total Transfer to Other Service			17,386	15,818	11,526	16,602	14,901	1,870	14,901	11,860	8,175	8,338	8,505	8,675

RESERVES

			2023	2024	2025	2026	2027	2028
		Balance Previous Year	152,089	180,547	255,828	267,922	280,592	293,883
		Interest (Assumed 1%)	1,521	1,805	2,558	2,679	2,806	2,939
		Contribution	53,938	77,475	9,536	9,991	10,485	16,479
		Withdrawal	(27,000)	(4,000)	0	0	0	0
			180,547	255,828	267,922	280,592	293,883	313,301

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	31,579
100 Year	37,279

Regional District of Central Kootenay

S256 Water Utility-Area J (West Robson)

V-P2

Version P2 - Issued for Water Services Committee Meeting

SYSTEM INFORMATION AND RATES

Active Accounts	
Service Charges % Increase	
WRO-COMMERCIAL-MHP CAPITAL RESERVE FUND	
WRO-COMMERCIAL-MHP-PER DWELLING	
WRO-DWELLING- MULTI FAMILY- ADDITIONAL	
WRO-DWELLING-MULTI FAMILY FIRST DWELLING	
WRO-DWELLING-SINGLE FAMILY	
Metered Rate	
Base Charge	
Metered Consumption	
Rate Holiday Credits	
WRO-RATE HOLIDAY- COMM- MHP- CAPITAL RES	
WRO-RATE HOLIDAY- COMM- MHP- DWELLING	
WRO-RATE HOLIDAY- DWELLING- SFD- FIRST	
WRO-RATE HOLIDAY- DWELLING- MULTI- FIRST	
WRO-RATE HOLIDAY- DWELL-MULTI-ADDITIONAL	
Total Tax Roll Folios	
Tax Roll Number of Folios - Taxable	
Tax Roll Number of Folios - Grant in Lieu	
Tax Roll Number of Folios - Zero Dollar (Inactive)	
BC Hydro Report	
Rate Holiday Eligible - Paid by BC Hydro	
Rate Holiday Eligible - Paid by BC Hydro Trailer Pad	
Rate Holiday Eligible - Not Assessed	
Rate Holiday Not Eligible - Ownership Changed	
In Water System but Not Assessed	
Total	
Numbers Derived from Tempest	
Parcels Assessed Parcel Tax (Rate Holiday)	
Trailer Pad Tax (Rate Holiday)	
Parcels Assessed Parcel Tax (No Rate Holiday)	

2024 to 2028 Financial Plan

No.		2023
114		
		10%
54		
54	584	
4	389	
4	780	
55	780	
		78
		1.342
54		
54		
38		
4		
1		

2024	2025	2026	2027	2028
10%	10%	10%	10%	10%
See Trailer Pad Tax Below, comes in as Parcel Taxes Revenue				
643	707	777	855	941
428	471	518	570	627
858	944	1,038	1,142	1,257
858	944	1,038	1,142	1,257
86	95	104	114	126
1.48	1.62	1.79	1.96	2.16

Parcel Tax % Increase

Numbers Derived from 2022 BC Hydro Rate Holiday Report	
Rate Holiday Eligible - Trailer Park	Needs to be updated still
Rate Holiday Eligible - Single Family	
Rate Holiday Eligible - Multi Family	
Rate holiday Eligible - No Category Identified	
Rate Holiday Eligible - Trailer Park Pad	
Total Rate Holiday Eligible	
Not Rate Holiday Eligible - Change of Ownership	
Total Parcel Taxes or BC Hydro Paid Equivalent	
Not Rate Holiday Eligible - In Service Area But Never Assessed	

No.	Collection Fee	15%
2	10.50	141
48	10.50	141
1	10.50	141
12	10.50	141
51	0.00	110
114		
17		141
131		
22		

10%	10%	10%	10%	10%
155	170	188	206	227
155	170	188	206	227
155	170	188	206	227
155	170	188	206	227
121	133	146	160	176
155	170	188	206	227

REVENUE

Account		
41010	Requisitions	
41015	Parcel Taxes	8,507 9,773 10,625 9,635
41015	- Rate Holiday Parcel Tax	
41015	- No Rate Holiday Parcel Taxes	
42020	Sale of Services	6,249
42025	Sale of Services - Specified	1,000 1,000
42030	User Fees	57,893 71,998 76,692 68,861
42030	- Tempest Billing	
42030	- Capital Reserve Fund Contribion for Mobile Home Park Dwellings	
43020	Grants	
45000	Transfer from Reserves	0 0
49100	Prior Year Surplus	8,062 4,694 14,963 9,240
Revenue		74,462 93,714 102,279 88,735

Total Parcel Taxes	11,933
Total User Fees	84,720
Total Parcel Tax & User Fees	96,652

13,060	14,300	15,663	17,164	18,814
93,192	102,511	112,762	124,038	136,442
106,252	116,811	128,426	141,202	155,256
2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget

OPERATING EXPENSES

Account		
51010	Salaries	8,862 9,329 13,078 10,423
	- leak detection	
51020	Overtime	172 315 148 212
51030	Benefits	1,532 1,591 2,519 1,881
	- leak detection	
51500	Directors - Allowance & Stipend	386
51565	Directors - Mileage	
53030	Communication	1,389 1,401 1,516 1,435
53050	Insurance	743 1,251 1,463 1,152
53080	Licence & Permits	150 150 0 100
54030	Contracted Services	200 963 1,202 789
	- Invasive species	
54040	Consulting Services	0 5,426
55010	Repairs & Maintenance	1,103 3,819 5,426 3,449
	- well pump replacement	
55020	Operating Supplies	590 18 47 218
55025	Chemicals	0 0 0
55030	Equipment	
55040	Utilities	5,398 4,954 5,463 5,272
Operating Expenses		20,140 23,792 36,829 24,931

2023 Budget	2023 YTD Actual	2023 Est Year End
13,653	9,263	12,351
1,000		0
454	426	568
3,810	1,656	2,208
260		0
403	303	404
0	56	75
1,655	1,273	1,697
1,456	908	908
171	150	200
2,427	40	3,500
2,330		2,330
		0
40,043	35,075	2,875
		32,200
220	90	120
49	0	0
0	159	212
6,375	4,330	5,773
74,307	53,729	65,421

6.2%	4%	2%	2%	2%
2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
14,500	15,080	15,382	15,689	16,003
1,000				
482	501	511	522	532
4,046	4,208	4,292	4,378	4,466
260				
429	446	455	464	474
79	82	84	86	88
1,803	1,875	1,912	1,950	1,989
964	1,003	1,023	1,043	1,064
182	189	193	196	200
2,578	2,681	2,735	2,789	2,845
5,762	5,993	6,113	6,235	6,360
0	0	0	0	0
127	133	135	138	141
0	0	0	0	0
0	0	0	0	0
6,770	7,041	7,182	7,326	7,472
38,983	39,232	40,017	40,817	41,633

CAPITAL EXPENSES

Account		
60000	CAP1094-100	WRO W - Distribution Upgrades PN01
60000	CAP1095-100	WRO W - Future Distribution Upgrades
60000	CAP1311-100	WRO W - Future Distribution Upgrades
Capital Expenses		0 0 0 0

2023 Budget	2023 YTD Actual	2023 Est Year End
500,000	3,940	3,940

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
496,060				
	25,000	500,000		
			15,000	300,000
496,060	25,000	500,000	15,000	300,000

NON-OPERATING EXPENSES

Account		
59000	Contribution to Reserve	7,195 16,448 33,175 18,939
59500	Transfer to Other Service	7,696 8,708 10,070 8,825
59510	Transfer to Other Service - General Admin. Fee	5,843 6,570 6,898 6,437
59520	Transfer to Other Service - IT Fee	1,548 1,568 1,587 1,568
59550	Transfer to Other Service - Environmental Services Fee	28,327 21,665 26,292 25,428
Non-Operating Expenses		50,609 54,959 78,022 61,197

2023 Budget	2023 YTD Actual	2023 Est Year End
87,673	87,673	87,673
15,194	2,970	18,164
6,654	6,654	6,654
1,820	1,820	1,820
22,157	22,157	22,157
133,498	121,274	136,468

6.2%	4%	2%	2%	2%
2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
24,889	26,966	36,784	47,727	59,912
16,136	16,781	17,117	17,459	17,809
7,067	7,349	7,496	7,646	7,799
1,933	2,010	2,050	2,091	2,133
23,531	24,472	24,961	25,461	25,970
73,555	77,579	88,409	100,385	113,623

Total Service

(261)	(15,475)	6,287
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0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order	
59500	CAP1094-100	WRO W-2023-Water Line Replacements
59500	OPR326-100	West Robson Water Utility-Distribution - General
59500	OPR326-112	West Robson Water Utility-Transfer to other Service - Fleet
59500	OPR326-117	West Robson Water Utility-Transfer to other Service - Operator Admin
Total Transfer to Other Service		6,930 8,708 10,070 8,569

2023 Budget	2023 YTD Actual	2023 Est Year End
	2,970	2,970
8,573	0	8,573
6,621	0	6,621
15,194	2,970	18,164

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
9,105	9,469	9,658	9,851	10,048
7,032	7,313	7,459	7,608	7,760
16,136	16,781	17,117	17,459	17,809

RESERVES

Balance Previous Year	
Interest (Assumed 1%)	
Contribution	
Withdrawal	

2023
1,354,836
13,548
87,673
(39,110)
1,416,947

2024	2025	2026	2027	2028
1,416,947	959,946	971,511	518,010	555,918
14,169	9,599	9,715	5,180	5,559
24,889	26,966	36,784	47,727	59,912
(496,060)	(25,000)	(500,000)	(15,000)	(300,000)
959,946	971,511	518,010	555,918	321,389

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	145,582
100 Year	84,898
Model pipe replacement value, excluding asbestos pipe removal:	3,230,324
Total estimated asbestos pipe removal cost not yet included in annual contribution amounts (Policy 600-03-08 adopted October 2023):	1,490,550

2023

2024	2025	2026	2027	2028
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Regional District of Central Kootenay
V-P2

Version P2 - Issued for Commission meeting.

S244 Water Utility-Area G (Ymir)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

		No.		2023		2024	2025	2026	2027	2028
	Active Accounts	109								
	Service Charges % Increase			3%		6%	3%	3%	3%	3%
	YMR-COMMERCIAL- BUSINESS	2	622	659	679	700	721	742		
	YMR-COMMERCIAL- HOTEL/MOTEL- BASE RATE	1	2,981	3,160	3,255	3,352	3,453	3,557		
	YMR-COMMERCIAL- HOTEL/MOTEL- COFFEE SHOP		675	715	737	759	781	805		
	YMR-COMMERCIAL- HOTEL/MOTEL- LOUNGE	1	485	514	529	545	561	578		
	YMR-COMMERCIAL- HOTEL/MOTEL- LAUNDRY		2,981	3,160	3,254	3,352	3,453	3,556		
	YMR-COMMERCIAL- HOTEL/MOTEL- PER ROOM	14	95	100	103	107	110	113		
	YMR-COMMERCIAL- HOTEL/MOTEL- RESTAURANT		674	715	736	758	781	804		
	YMR-COMMERCIAL-FOOD & BEVERAGE SERVICES	1	935	991	1,020	1,051	1,082	1,115		
	YMR-COM-SHORT TERM ACCOMODATION BASE	1	622	659	679	700	721	742		
	YMR-COM-SHORT TERM ACCOMODATION/ ROOM	9	95	100	103	107	110	113		
	YMR-DWELLING- MULTI FAMILY- ADDITIONAL	1	622	659	679	700	721	742		
	YMR-DWELLING-MULTI FAMILY FIRST DWELLING	1	622	659	679	700	721	742		
	YMR-DWELLING-SINGLE FAMILY	102	622	659	679	700	721	742		
	YMR-INSTITUTIONAL- RDCK FIRE HALL	1	0	0	0	0	0	0		
	YMR-INSTITUTIONAL-COMMUNITY HALL	1	0	0	0	0	0	0		
	Metered Rate									
	Base Charge		62	66	67	69	72	74		
	Metered Consumption		2.53	2.69	2.77	2.85	2.93	3.02		
	Parcel Frontage Tax % Increase	No	10.0%	5%	5%	5%	5%	5%		
	Parcels assesed frontage tax (In 2023 amounts range \$119.26 to \$596.31. One is \$59.63)	142								
	Frontage tax parcel with zero dollar rate	7								
	Parcels in water system but not assessed parcel tax	7								
	Total									

REVENUE														
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41010	Requisitions - Subtotal													
41015	Parcel Taxes		33,924	40,000	40,000	37,975	44,000	44,000	44,000	46,200	48,510	50,936	53,482	56,156
42020	Sale of Services - Subtotal			454		454								
42030	User Fees		67,495	69,382	72,774	69,884	73,148	74,557	74,557	77,537	79,863	82,259	84,727	87,268
43030	Community Works Grant			0		0	60,000	2,600	60,000					
43505	External Contributions & Contracts - Specified		6,120	6,120	6,120	6,120	6,120	6,120	6,120	6,935	6,935	6,935	6,935	6,935
45000	Transfer from Reserves		11,476		11,297	11,387	32,000		18,964	12,497	0	0	60,000	0
49100	Prior Year Surplus		(5,828)	10,268	(3,776)	221	(5,253)	(5,153)	(5,153)	25,140	0	0	0	0
Revenue			113,187	126,223	126,415	126,040	210,015	122,124	198,488	168,309	135,308	140,129	205,144	150,360

OPERATING EXPENSES														
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	6.2% 2024 Budget	4% 2025 Budget	2% 2026 Budget	2% 2027 Budget	2% 2028 Budget
51010	Salaries		8,065	13,479	14,731	12,092	15,379	11,784	15,712	16,353	17,007	17,348	17,695	18,048
51010	- leak detection						1,000		0	2,000				
51020	Overtime		415	996	0	470	762	65	87	767	798	814	830	847
51030	Benefits		1,587	2,559	2,851	2,332	3,999	2,085	2,780	4,171	4,338	4,425	4,513	4,603
51030	- Benefits - leak detection						260		0	520				
51050	Employee Health & Safety		0	60	0	20	567	0	0					
51500	Directors - Allowance & Stipend				965		1,004	808	1,077	1,144	1,190	1,214	1,238	1,263
51565	Directors - Mileage						0	42	56	60	62	63	65	66
52010	Travel		0	0	0	0	142	0	0	142	148	151	154	157
52030	Memberships, Dues & Subscriptions			443	400	421	416	250	333	437	454	463	472	482
53020	Admin, Office Supplies & Postage		23	8	26	19	69	0	0	20	21	21	22	22
53030	Communication		961	854	890	902	1,061	755	1,007	1,123	1,168	1,192	1,216	1,240
53050	Insurance		1,167	1,427	1,642	1,412	1,543	994	1,325	1,625	1,690	1,724	1,758	1,794
53080	Licence & Permits		220	430	209	286	644	302	402	669	696	710	724	738
54030	Contracted Services		8,241	11,526	6,822	8,863	7,095	4,434	5,912	7,462	7,760	7,915	8,074	8,235
54040	Consulting Fees		11,476			11,476			0	0	0	0	0	0
55010	Repairs & Maintenance - Subtotal		785	646	6,266	2,565	6,517	1,222	1,629	6,618	6,882	7,020	7,160	7,304
	- UVT Analyser						3,400		0					
	- data logger									2,000				
55020	Operating Supplies		19,903	10,024	9,813	13,247	10,832	2,566	3,422	11,044	11,486	11,716	11,950	12,189
55025	Chemicals		916	1,835	2,372	1,708	2,467	1,835	2,446	2,619	2,723	2,778	2,833	2,890
55030	Equipment		0	56	0	19	134	0	0	0	0	0	0	0
55040	Utilities		4,645	5,913	4,565	5,041	7,178	3,542	4,722	7,471	7,770	7,925	8,083	8,245
55060	Rentals		64	64	64	64	73	0	0	73	76	77	79	81
Operating Expenses			58,468	50,318	51,615	60,937	64,541	30,683	40,911	66,317	64,269	65,555	66,866	68,203

CAPITAL EXPENSES														
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1312-100	Reservoir Effluent Meter					20,000	7,503	7,503	12,497				
60000	CAP1415-100	Dosing Pump Replacement					12,000	8,461	8,461					
60000	NO CAP YET	UV Unit Replacement											60,000	
60000	CAP1096-100	Control and SCADA Upgrade					60,000	39,552	63,000					
Capital Expenses			0	0	0	0	92,000	55,516	78,964	12,497	0	0	60,000	0

NON-OPERATING EXPENSES									6.2%	4%	2%	2%	2%	
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59000	Contribution to Reserve		225	32,108	17,621	16,651	6,049	6,049	6,049	39,131	18,660	21,148	23,783	26,572
59500	Transfer to Other Service - Subtotal		6,399	5,438	10,847	7,561	11,605	0	11,605	12,325	12,817	13,074	13,335	13,602
59510	Transfer to Other Service - General Admin. Fee		7,354	7,575	7,953	7,627	7,192	7,192	7,192	7,638	7,943	8,102	8,264	8,430
59520	Transfer to Other Service - IT Fee		4,690	4,750	4,810	4,750	5,516	5,516	5,516	5,858	6,092	6,214	6,338	6,465
59550	Transfer to Other Service - Environmental Services Fee		33,299	29,811	27,424	30,178	23,111	23,111	23,111	24,544	25,526	26,036	26,557	27,088
Non-Operating Expenses			51,967	79,682	68,655	66,768	53,473	41,868	53,473	89,495	71,039	74,575	78,278	82,157

Total Service	0	(5,943)	25,140	0	0	0	0	0
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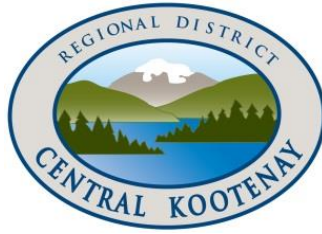
59500 TRANSFER TO OTHER SERVICE														
Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR329-100	Ymir Water Utility-Distribution - General												
59500	OPR329-112	Ymir Water Utility-Transfer to other Service - Fleet	2,896	3,366	2,255	2,839	4,116	0	4,116	4,371	4,546	4,637	4,730	4,824
59500	OPR329-114	Ymir Water Utility-Transfer to other Service - Project Management												
59500	OPR329-117	Ymir Water Utility-Transfer to other Service - Operator Admin	3,503	2,072	8,592	4,722	7,489	0	7,489	7,953	8,271	8,437	8,606	8,778
Total Transfer to Other Service			6,399	5,438	10,847	7,561	11,605	0	11,605	12,325	12,817	13,074	13,335	13,602

RESERVES						2023	2024	2025	2026	2027	2028
	Balance Previous Year					109,495	97,675	125,285	145,198	167,799	133,260
	Interest (Assumed 1%)					1,095	977	1,253	1,452	1,678	1,333
	Contribution					6,049	39,131	18,660	21,148	23,783	26,572
	Withdrawal					(18,964)	(12,497)	0	0	(60,000)	0
						97,675	125,285	145,198	167,799	133,260	161,164

2022 Asset Management Plan Identified Contribution to Reserves

25 Year
100 Year

65,520
98,204



REGIONAL DISTRICT OF CENTRAL KOOTENAY

**SANCA PARK WATER SERVICES COMMUNITY ADVISORY
COMMITTEE
DISCUSSION NOTES**

A meeting of the Sanca Park Water Services Community Advisory Committee was held at 9:00 am PST / 10:00 am MST on Monday, November 20, 2023 through a hybrid model.

Join by Meeting Link:

<https://nelsonho.webex.com/nelsonho/j.php?MTID=m1e42e213052cd15f85533059e968cfe1>

Join by Meeting Number:

Meeting Number (access code): 2772 563 1977

Meeting Password: i3wVM6iVfi5 (43986648 from phones)

Join by Phone:

+1-604-449-3026 Canada Toll (Vancouver)

In-Person Meeting Location:

Location Name: RDCK Kokanee Meeting Room

Location Address: 202 Lakeside Drive, Nelson, BC

COMMITTEE MEMBERS PRESENT

Committee Member John Vander Heide

Committee Member Peter Cartwright

Committee Member Melissa Izon

Director Garry Jackman, Electoral Area A (ex-officio)

COMMITTEE MEMBERS ABSENT

Committee Member Mike Thompson

Committee Member Marilyn Perrin

STAFF

Uli Wolf, GM – Environmental Services

Jason McDiarmid, Utility Services Manager

Alex Divlakovski, Water Operations Manager

1. WELCOME AND INTRODUCTIONS

2. STAFF REPORTS: OPERATIONS & MAINTENANCE UPDATE

- Replaced a broken curb stop valve at a residence on Sanca Park Road
- Annual flushing and valve exercising

3. 2024-2028 FINANCIAL PLAN

A copy of the 2024-2028 Financial Plan for Service S242 Water Utility-Area A (Sanca Park) is provided.

4. ADDITIONAL TOPIC FOR DISCUSSION:

NORTH PROPERTIES REMOVAL FROM THE SERVICE AREA

- Removal of properties is a three step process: The Board provides two reading of the proposed bylaw amendment; the Province approves service area amendment and typically would require proof of alternative water supply; and the Board adopts the service area amendment bylaw by third reading.
- Sanca Park Water Supply and Distribution System Specified Area Amendment Bylaw No. 2665, 2019 received two readings by the Board.
- Staff is attempting to follow up with Water Stewardship Division to see if north properties owner has made a water license application.
- Follow Up Action Item: Staff to seek direction from the Board to seek Provincial approval for the Sanca Park Water Supply and Distribution System Specified Area Amendment Bylaw No. 2665, 2019.

5. ADDITIONAL TOPIC FOR DISCUSSION:

DRINKING WATER SYSTEMS PATHOGEN RISK WATER QUALITY MANAGEMENT POLICY NO. 600-03-07

- The Policy was adopted by the Board October 2023.
- Staff reviewed policy content.
- Follow-up Action Item: Staff is to provide a copies of reports for Sanca that addressed point of entry treatment systems including the Sanca Park Water System Source Assessment, Urban Systems, 2013.

6. NEXT ASSEMBLY

The next assembly of Sanca Park Water Services Community Advisory Committee will be schedule in accordance with Section of 9 (1) of the RDCK Drainage, Water and Wastewater System Community Advisory Committee Bylaw No. 2858.

The next meeting has been scheduled for July 29, 2024.

ATTACHMENTS TO DISCUSSION NOTES:

Attachment A: July 31, 2008 report - Point of Entry / Point of Use Water Treatment Systems prepared by AquaVic Water Solutions Inc.

Attachment B: July 23, 2009 report – Sanca Park Water System Upgrade Options prepared by the RDCK

Attachment C: March 2013 report (without Appendices) – Sanca Park Water Sytem Source Assessment prepared by Urban System (full report available upon request)

Attachment D: April 2015 report – Sanca Water Quality Upgrades Project Plan prepared by the RDCK

Attachment E: November 2013 DRAFT report – Utility Services Denver Siding Water Quality Upgrades Preliminary Review of Options prepared by the RDCK.

Regional District of Central Kootenay
V-P2

Version P2 - Issued for CAC meeting

S242 Water Utility-Area A (Sanca Park)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

		Active Accounts
		Service Charges % Increase
		SAN-DWELLING-SINGLE FAMILY
		Parcel Tax % Increase
		Parcel Tax
		Total

No.		2023	2024	2025	2026	2027	2028
28							
		2%	6%	2%	2%	2%	2%
28		737	781	797	813	829	846
		0%	0%	0%	0%	0%	0%
32		495	495	495	495	495	495

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41015		Parcel Taxes	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840	15,840
42030		User Fees	23,612	24,141	20,533	22,762	20,635	20,783	20,783	21,873	22,310	22,757	23,212	23,676
45000		Transfer from Reserves		4,853		4,853	40,000	0	0	45,000	0	0	0	0
49100		Prior Year Surplus	1,127	2,283	717	1,376	1,450	1,451	1,451	(144)	0	0	0	0
Revenue			40,579	47,117	37,090	44,831	77,925	38,074	38,074	82,569	38,150	38,597	39,052	39,516

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	2,064	1,815	1,943	1,941	2,063	1,475	1,967	2,191	2,278	2,324	2,371	2,418
51020		Overtime	0	0	0	0	226	0	0	239	249	254	259	264
51030		Benefits	204	144	206	185	536	157	210	570	592	604	616	629
51500		Directors - Allowance & Stipend			386		403	303	404	428	445	454	463	472
51565		Directors - Mileage			76			187	250	265	276	281	287	293
52010		Travel	17			17	79	45	60	84	87	89	91	93
53020		Admin, Office Supplies & Postage	400	400	500	433	500	500	500	0	0	0	0	0
53050		Insurance	103	123	158	128	256	125	167	272	283	288	294	300
53080		Licence & Permits	150	312	235	232	337	215	287	358	372	380	387	395
54010		Legal	0	0	0	0				0	0	0	0	0
54010		- SROW for intake					2,000	0	0	2,000				
54030		Contracted Services	1,222	71	78	457	454	1,314	1,752	483	502	512	522	533
54030		- signage for BWN to satisfy policy								5,000				
55010		Repairs & Maintenance	0	488	0	163	563	57	75	598	621	634	647	659
55020		Operating Supplies	0	0	0	0	34	0	0	36	38	39	39	40
55050		Vehicles		577		577	0	45	60	0	0	0	0	0
Operating Expenses			4,160	3,353	3,581	3,556	7,451	4,424	5,732	12,523	5,744	5,859	5,976	6,096

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1006-100	North Water Line Relocation					38,000	0	0	38,000				
Capital Expenses			0	0	0	0	38,000	0	0	38,000	0	0	0	0

NON-OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56110		Short-Term Financing Interest	597	151		374								
56120		Short-Term Financing Principal	15,695	20,548		18,122								
59000		Contribution to Reserve	3,053	3,231	20,440	8,908	21,891	21,891	21,891	20,794	20,704	20,802	20,901	21,002
59500		Transfer to Other Service	2,657	3,327	2,171	2,718	3,916	0	3,916	4,159	4,325	4,412	4,500	4,590
59510		Transfer to Other Service - General Admin. Fee	3,581	3,689	3,873	3,714	1,982	1,982	1,982	2,105	2,189	2,233	2,278	2,323
59550		Transfer to Other Service - Environmental Services Fee	8,553	11,524	5,574	8,550	4,697	4,697	4,697	4,988	5,188	5,291	5,397	5,505
Non-Operating Expenses			34,136	42,470	32,058	42,387	32,486	4,697	32,486	32,046	32,406	32,737	33,075	33,420

Total Service							(12)	28,953	(144)	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR324-100	Sanca Park Water Utility-Distribution - General												
59500	OPR324-112	Sanca Park Water Utility-Transfer to other Service - Fleet	2,548	2,962	1,984	2,498	3,621	0	3,621	3,846	3,999	4,079	4,161	4,244
59500	OPR324-117	Sanca Park Water Utility-Transfer to other Service - Operator Adm	109	365	187	220	295	0	295	313	326	332	339	346
Total Transfer to Other Service			2,657	3,327	2,171	2,718	3,916	0	3,916	4,159	4,325	4,412	4,500	4,590

RESERVES

		2023	2024	2025	2026	2027	2028
	Balance Previous Year	63,393	85,918	62,571	83,901	105,541	127,497
	Interest (Assumed 1%)	634	859	626	839	1,055	1,275
	Contribution	21,891	20,794	20,704	20,802	20,901	21,002
	Withdrawal	0	(45,000)	0	0	0	0
		85,918	62,571	83,901	105,541	127,497	149,774

2022 Asset Management Plan Identified Contribution to Reserves (Revised Pipe Replacement Costs)

25 Year	12,911
100 Year	24,366



REGIONAL DISTRICT OF CENTRAL KOOTENAY

**SOUTH SLOCAN WATER SERVICES COMMUNITY
ADVISORY COMMITTEE
DISCUSSION OUTLINE**

A meeting of the South Slocan Water Services Community Advisory Committee was held at 1:15 pm PST / 2:15 pm MST on Monday, November 20, 2023 through a hybrid model.

Join by Meeting Link:

<https://nelsonho.webex.com/nelsonho/j.php?MTID=mb9580076543abd4ef59de5c893627ca1>

Join by Meeting Number:

Meeting Number (access code): 2770 693 8199

Meeting Password: 9PUxkJF2DB3 (97895532 from phones)

Join by Phone:

+1-604-449-3026 Canada Toll (Vancouver)

COMMITTEE MEMBERS PRESENT

Committee Member Peter Wood

Committee Member Gary Niminiken

Director Walter Popoff, Electoral Area H (ex-officio)

COMMITTEE MEMBERS ABSENT

Committee Member Kathy Loxam

Committee Member Ian McGovern

Committee Member Cindy Lawrence

STAFF

Uli Wolf, GM – Environmental Services

Alex Divlakovski, Water Operations Manager

1. WELCOME AND INTRODUCTIONS

2. STAFF REPORTS: OPERATIONS & MAINTENANCE UPDATE

2.1 Operations and Maintenance Update

- Annual flushing and valve exercising
- Entry stairs and landing replaced at water treatment plant

- Filter consumption for 2023 is continuing to trend downward
- Annual dam inspection completed, as well as Provincial dam inspection

Action Item: Staff to forward copy of the most recent Provincial dam inspection report for Smoky Creek Dam to the Community Advisory Committee members once it has been reviewed by the Province.

2.2 Logging on Property Adjacent to Springs

- Brent Petrick is planning logging operations in Springs Creek
- To start in the next week or so
- Harvesting infested Fir Bark Beetle
- Areas are far enough away from South Slocan intake to not be a concern (Attachment A)

3. 2024-2028 FINANCIAL PLAN

A copy of the 2024-2028 Financial Plan for Service S245 Water Utility-Area H (South Slocan) is provided (Attachment B).

Action Item: RDCK to verify loan interest calculation is applied correctly for final budget.

Action Item: Correct 2024 contributions to reserves for final budget.

4. ADDED AGENDA ITEM: 3112 South Slocan Station Road

Community Advisory Committee members have agreed to have South Slocan Water System provide funds for the installation of a 20" POE filter housing with 3 additional filters to mitigate water colour concerns for the customer (estimated cost \$500 - \$1,000).

5. NEXT ASSEMBLY

The next assembly of South Slocan Water Services Community Advisory Committee will be schedule in accordance with Section of 9 (1) of the RDCK Drainage, Water and Wastewater System Community Advisory Committee Bylaw No. 2858.

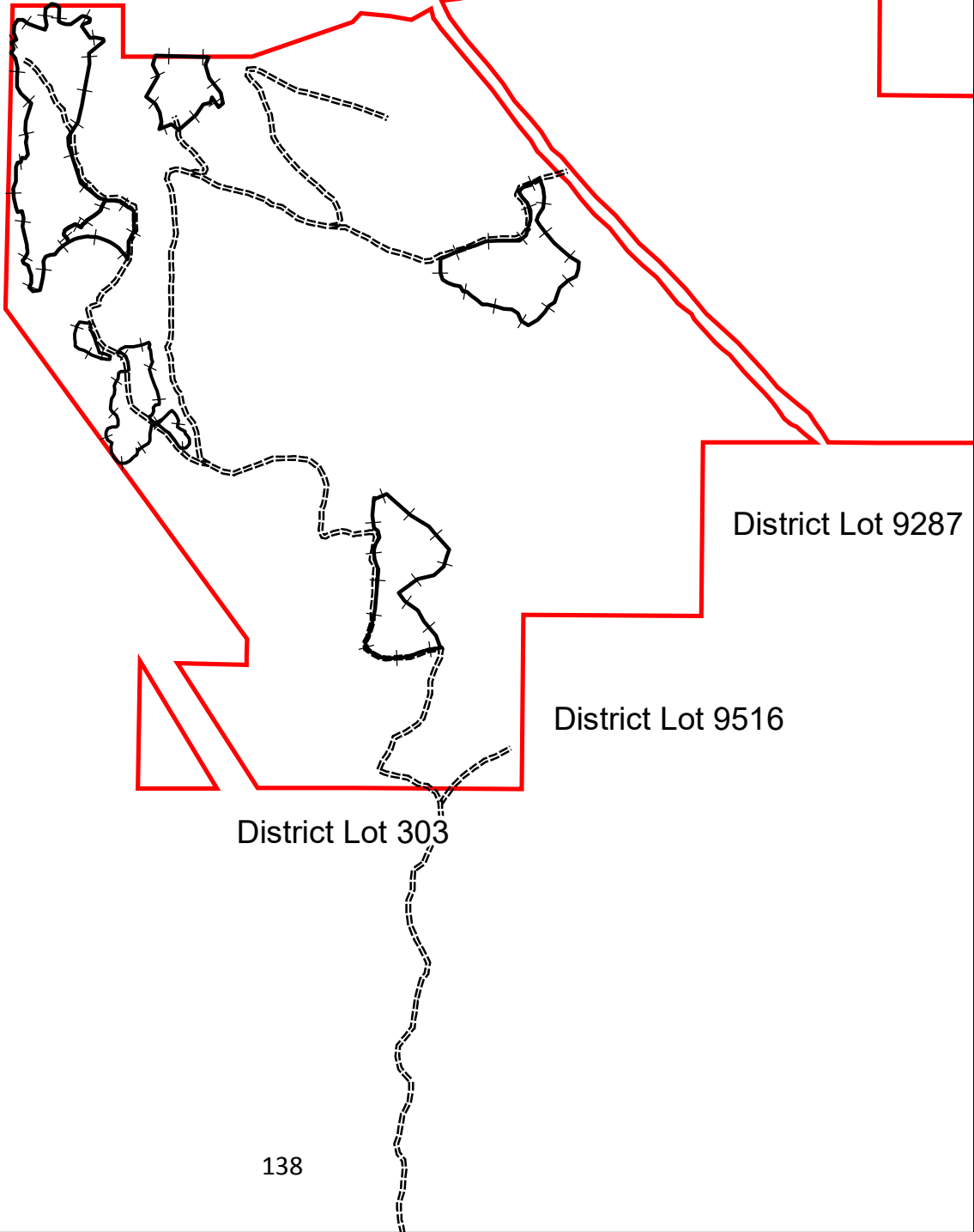
The next meeting will be scheduled in November 2024 to review budgets. Date to be determined.

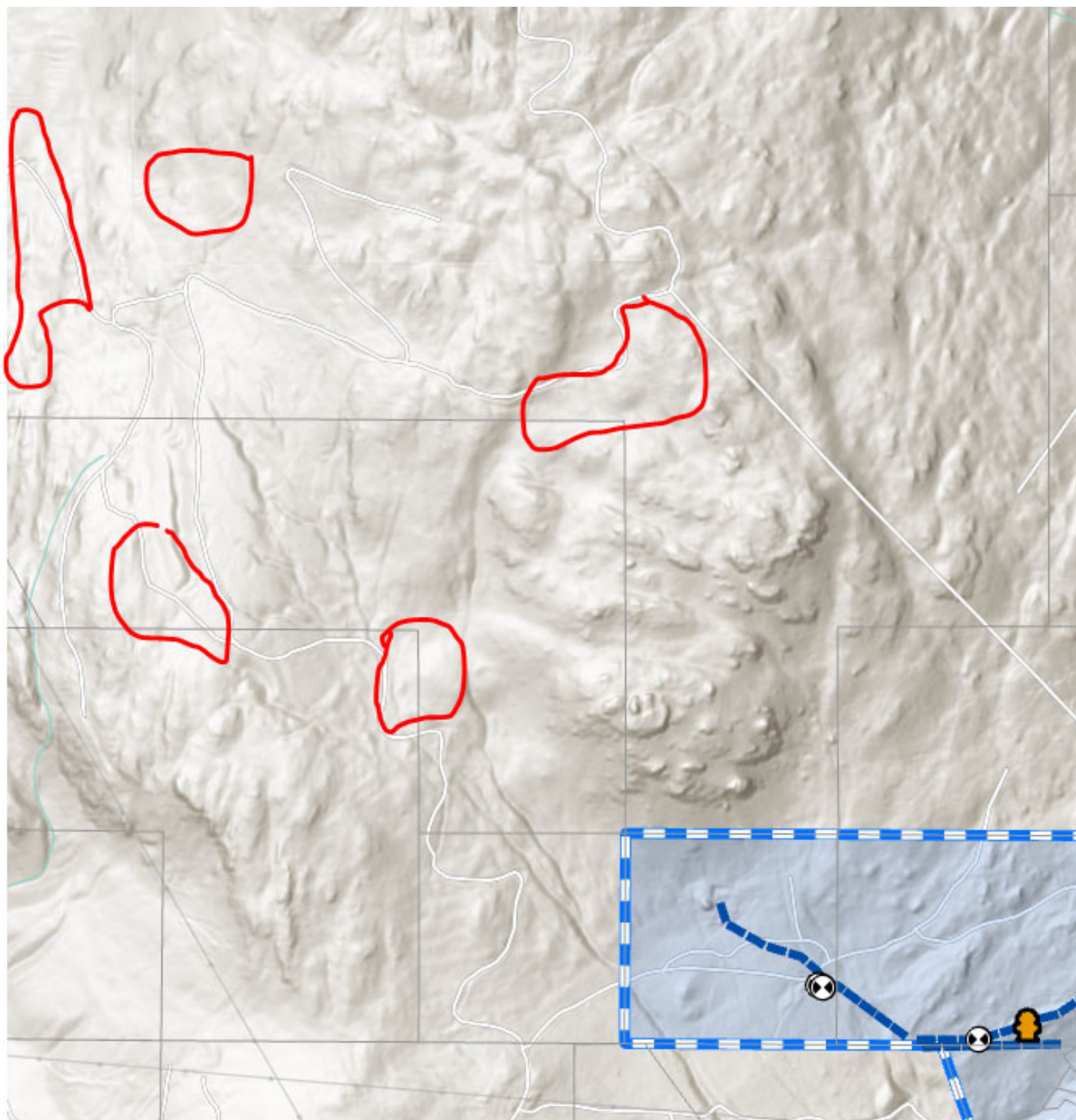
SUMMARY OF ACTION ITEMS:

1. Staff to forward copy of the most recent Provincial dam inspection report for Smoky Creek Dam to the Community Advisory Committee members once it has been reviewed by the Province.
2. RDCK to verify loan interest calculation is applied correctly for final budget.
3. Correct 2024 contributions to reserves for final budget.
4. Schedule Community Advisory Committee meeting in November 2024.

W1458 2023 Harvest Plans

Attachment A





Regional District of Central Kootenay
V-P2

Version P2 - Issued for CAC meeting.

S245 Water Utility-Area H (South Slocan)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

		No.		2023	2024	2025	2026	2027	2028
Active Accounts		50							
Service Charges % Increase				10%	7%	7%	5%	5%	5%
SSL-COMMERCIAL - POST OFFICE		1		0	0	0	0	0	0
SSL-COMMERCIAL- BUSINESS		1		1,977	2,115	2,263	2,376	2,495	2,620
SSL-COMMERCIAL-FOOD & BEVERAGE SERVICES		1		5,079	5,435	5,815	6,106	6,411	6,732
SSL-DWELLING-MULTI FAMILY-ADDITIONAL		1		1,977	2,115	2,263	2,376	2,495	2,620
SSL-DWELLING-MULTI FAMILY-FIRST DWELLING		1		1,977	2,115	2,263	2,376	2,495	2,620
SSL-DWELLING-SINGLE FAMILY		48		1,977	2,115	2,263	2,376	2,495	2,620
SSL-DWELLING - SECONDARY SUITE		0		1,382	1,479	1,583	1,662	1,745	1,832
SSL-INSTITUTIONAL-RDCK COMMUNITY BLDG		0		1,977	2,115	2,263	2,376	2,495	2,620
Metered Rate									
Base Charge				198	212	227	238	250	263
Metered Consumption				2.00	2.43	2.60	2.73	2.87	3.01
Parcel Tax % Increase					25%	0%	0%	100%	0%
Parcel Tax - Customers who paid their share of treament loan - Base Amount		12		134.99	169	169	169	338	338
Parcel Tax - Customers who paid their share of treament loan - Loan Amount		12		0	0	0	0	0	0
Parcel Tax - Customers who did not pay loan up front - Base Amount		42		134.99	169	169	169	338	338
Parcel Tax - Customers who did not pay loan up front - Loan Amount		42		157.01	157	157	157	157	157
Parcel Tax - Customers who did not pay loan up front - Total		42		292	326	326	326	495	495
Total									

REVENUE							12,264			13,692	13,692	13,692	20,790	20,790
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41015	Parcel Taxes		13,884	13,884	13,884	13,884	13,884	13,884	13,884	15,720	15,720	15,720	24,846	24,846
42020	Sale of Services													
42025	Sale of Services - Specified			2,000										
42030	User Fees		80,838	88,718	97,233	88,930	105,906	106,697	106,697	113,300	121,228	127,282	133,656	140,352
45000	Transfer from Reserves		5,015	8,001	4,000	5,672	5,841	0	5,841	15,000	0	0	0	250,000
45500	Transfer from Other Service		1,485		10,801	6,143								
49100	Prior Year Surplus		13,908	(4,743)	(5,927)	1,080	5,226	6,215	6,215	15,995	0	0	0	0
Revenue			115,130	107,860	119,991	115,708	130,857	126,796	132,637	160,015	136,948	143,002	158,502	415,198

OPERATING EXPENSES														
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010	Salaries		10,543	12,429	13,788	12,253	14,395	10,117	13,490	15,287	15,899	16,217	16,541	16,872
51010	- leak detection						2,000		0	2,000				
51020	Overtime		980	1,061	370	804	997	674	899	1,059	1,101	1,123	1,146	1,169
51030	Benefits		2,094	2,458	2,713	2,422	3,743	1,811	2,415	3,975	4,134	4,216	4,301	4,387
	- leak detection						520		0	552				
51050	Employee Health & Safety		0	249	0	83	89	0	0	95	98	100	102	104
51500	Directors - Allowance & Stipend				483		504	303	404	535	557	568	579	591
51565	Directors - Mileage						0	20	27	28	30	30	31	31
52030	Memberships, Dues & Subscriptions		0	0	100	0	100	50	67	106	110	113	115	117
53020	Admin, Office Supplies & Postage		12	5	0	6	31	16	21	33	34	35	36	36
53030	Communication		868	1,016	1,026	970	1,075	787	1,049	1,142	1,187	1,211	1,235	1,260
53050	Insurance		1,942	2,239	2,232	2,138	2,422	1,349	1,798	2,572	2,675	2,729	2,783	2,839
53080	Licence & Permits		270	505	124	300	546	206	274	580	603	615	627	640
54030	Contracted Services		1,612	2,792	2,024	2,143	4,501	1,358	1,810	4,780	4,971	5,071	5,172	5,276
55010	Repairs & Maintenance		3,851	3,892	1,395	3,046	7,526	5,122	6,829	7,993	8,312	8,479	8,648	8,821
55020	Operating Supplies		20,480	9,738	8,405	12,874	8,741	2,780	3,707	6,000	6,240	6,365	6,492	6,622
55025	Chemicals		1,120	896	941	986	979	1,074	1,432	1,521	1,582	1,613	1,646	1,679
55030	Equipment			0	1,435	718	0	10	13	0	0	0	0	0
55040	Utilities		1,447	1,559		1,503	1,966	1,264	1,685	2,088	2,171	2,215	2,259	2,304
Operating Expenses			45,219	38,839	35,036	40,244	50,134	26,940	35,920	50,345	49,705	50,699	51,713	52,747

CAPITAL EXPENSES														
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1093-100	SSL W - 2020 Valve Replacements & PRV Box Improvements								15,000				
60000	CAP1007-100	Distribution System Upgrades												250,000
Capital Expenses			0	0	0	0	0	0	0	15,000	0	0	0	250,000

NON-OPERATING EXPENSES														
Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56010	Debenture Interest		4,500	13,801	2,999	7,100		788						
56010	- MFA 139						1,974		1,974	1,974	1,974	1,974	1,974	1,974
56010	- MFA 112						1,025		1,025	1,025	1,025	1,025	1,025	1,025
56020	Debenture Principal		4,502	4,725	4,725	4,650		0	0					
56020	- MFA 139						3,565		3,565	3,565	3,565	3,565	3,565	3,565
56020	- MFA 112						2,147		2,147	2,147	2,147	2,147	2,147	2,147
59000	Contribution to Reserve		28,871	14,630	13,133	18,878	25,154	25,154	25,154	36,197	26,780	30,805	44,235	48,820
59500	Transfer to Other Service		6,777	5,207	8,459	6,814	10,838	0	10,838	11,510	11,970	12,210	12,454	12,703
59510	Transfer to Other Service - General Admin. Fee		4,405	4,537	4,764	4,569	5,214	5,214	5,214	5,537	5,759	5,874	5,991	6,111
59520	Transfer to Other Service - IT Fee		4,690	4,750	4,810	4,750	5,516	5,516	5,516	5,858	6,092	6,214	6,338	6,465
59550	Transfer to Other Service - Environmental Services Fee		15,579	19,297	30,008	21,628	25,289	25,289	25,289	26,857	27,931	28,490	29,060	29,641
Non-Operating Expenses			69,324	66,946	68,898	68,389	80,722	61,961	80,722	94,670	87,244	92,304	106,790	112,451

Total Service			588	2,074	16,057	7,074	0	37,896	15,995	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE														
Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR325-100	South Slocan Water Utility-Distribution - General												
59500	OPR325-112	South Slocan Water Utility-Transfer to other Service - Fleet	2,293	2,665	1,786	2,248	3,259	0	3,259	3,461	3,600	3,671	3,745	3,820
59500	OPR325-113	South Slocan Water Utility-Transfer to other Service - WaterSmart Program												
59500	OPR325-117	South Slocan Water Utility-Transfer to other Service - Operator Admin	4,484	2,542	6,673	4,566	7,579	0	7,579	8,049	8,371	8,538	8,709	8,883
Total Transfer to Other Service			6,777	5,207	8,459	6,814	10,838	0	10,838	11,510	11,970	12,210	12,454	12,703

RESERVES														
							2023			2024	2025	2026	2027	2028
Balance Previous Year							49,817			69,763	82,318	111,072	140,673	186,315
Interest (Assumed 1%)							498			698	823	1,111	1,407	1,863
Contribution							25,289			26,857	27,931	28,490	44,235	48,820
Withdrawal							(5,841)			(15,000)	0	0	0	(250,000)
							69,763			82,318	111,072	140,673	186,315	(13,002)

2022 Asset Management Plan Identified Contribution to Reserves

25 Year
100 Year

100,957
118,043



REGIONAL DISTRICT OF CENTRAL KOOTENAY

WOOBURY VILLAGE WATER SERVICES COMMUNITY ADVISORY COMMITTEE DISCUSSION OUTLINE

A meeting of the Woodbury Village Water Services Community Advisory Committee was held at 1:00 pm PST / 2:00 pm MST on Tuesday, November 21, 2023 through a hybrid model

Join by Video:

<https://nelsonho.webex.com/nelsonho/j.php?MTID=m858048912cb2ae3d72f5f23f8b23c0b1>

Join by Meeting Number:

Meeting Number (access code): 2771 909 0819

Meeting Password: PPqYq2MP3U2 (77797267 from phones)

Join by Phone:

+1-604-449-3026 Canada Toll (Vancouver)

COMMITTEE MEMBERS PRESENT

Committee Member Richard Nellis

Committee Member Barney Gilmore

Committee Member Allan Hobden

Committee Member Ken Chambers

Director Aimee Watson, Electoral Area D (ex-officio)

STAFF PRESENT

Uli Wolf, GM – Environmental Services- present

Alex Divlakovski, Water Operations Manager- present

1. WELCOME AND INTRODUCTIONS

2. STAFF REPORTS: OPERATIONS & MAINTENANCE AND CAPITAL UPDATE

- Annual flushing and valve exercising.
- One distribution system leak repaired.
- Interior Health Construction Permit issued and upgrades on the water treatment plant/new intake have begun.
- New intake pump to be installed this November.
- Commissioning of the water treatment upgrades to begin December/January.
Follow up action: staff to inform CAC when commissioning begins and new intake source is initiated.

3. 2024-2028 FINANCIAL PLAN

A copy of the 2024-2028 Financial Plan for Service S259 Water Utility-Area D (Woodbury) is provided.

Action Item: Staff to provide a revised Financial Plan to Community Advisory Committee members with corrected Contribution to Reserves and revised Parcel Tax increases at 13% increase for 2024 and less than 12% increase for 2025.

Action Item: Director Watson to inform Community Advisory Committee if Environmental Services Fees and/or Fleet Contributions change significantly in Final Budget.

4. DISCUSSION ITEM: COMMITTEE MEMBERSHIP EXPIRING

All Committee memberships are set to expire on December 31, 2023.

Action Item: Director Watson to re-appoint existing members to the Community Advisory Committee: Richard Nellis; Barney Gilmore; Allan Hobden; Ken Chambers.

5. NEXT ASSEMBLY

The next assembly of Woodbury Village Water Services Community Advisory Committee will be schedule in accordance with Section of 9 (1) of the RDCK Drainage, Water and Wastewater System Community Advisory Committee Bylaw No. 2858.

Next Community Advisory Committee meeting to be scheduled for preliminary 2025 budget review in November, 2024.

SUMMARY OF ACTION ITEMS:

1. Staff to provide a revised Financial Plan to Community Advisory Committee members with corrected Contribution to Reserves and revised Parcel Tax increases at 13% increase for 2024 and less than 12% increase for 2025.
2. Director Watson to inform Community Advisory Committee if Environmental Services Fees and/or Fleet Contributions change significantly in Final Budget.
3. Director Watson to re-appoint existing members to the Community Advisory Committee: Richard Nellis; Barney Gilmore; Allan Hobden; Ken Chambers.
4. Schedule Community Advisory Committee meeting in November 2024.

Regional District of Central Kootenay

S259 Water Utility-Area D (Woodbury)

2024 to 2028 Financial Plan

V-P2

Version P2 - Issued for CAC meeting.

SYSTEM INFORMATION AND RATES

			No.		2023	2024	2025	2026	2027	2028
		Active Accounts	41							
		Accounts Using Water	34							
		Accounts Not Using Water	7							
		Service Charges % Increase			9%	4%	4%	4%	4%	4%
		WDV-DWELLING-MULTI FAMILY FIRST DWELLING	5		951	989	1,029	1,070	1,113	1,158
		WDV-DWELLING- MULTI FAMILY- ADDITIONAL	5		500	520	540	562	585	608
		WDV-DWELLING-SINGLE FAMILY	29		951	989	1,029	1,070	1,113	1,158
					0%	0%	0%	0%	0%	0%
		WDV-UNDEVELOPED PARCEL	7		377	377	377	377	377	377
		Metered Rate								
		Base Charge			135	141	146	152	158	164
		Metered Consumption			3.88	4.04	4.20	4.36	4.54	4.72
		Parcel Tax % Increase			0%	25%	0%	0%	0%	25%
		Parcel Tax	41		426	533	533	533	533	666
		Total								

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41010		Requisitions												
41015		Parcel Taxes	17,466	17,466	17,466	17,466	17,466	17,466	17,466	21,833	21,833	21,833	21,833	27,291
42025		Sale of Services - Specified												
42030		User Fees	28,291	29,707	35,195	31,064	37,486	38,181	38,181	38,880	40,329	41,837	43,405	45,035
43015		Donations - Specified	3,120			3,120								
43020		Grants					49,976	49,976	49,976					
43025		Grants - Specified	0	153,869	42,649	65,506	284,322	0	284,322	41,416				
43030		Community Works Grants	0		85,440	42,720		1,750	1,750					
45000		Transfer from Reserves	13,732	12,105	6,709	10,849	27,000	0	27,000	4,000	0	0	0	0
49100		Prior Year Surplus	(8,240)	(5,240)	5,035	(2,815)	49,372	50,590	50,590	57,471	(11,894)	(11,894)	(11,894)	(11,894)
Revenue			54,369	207,907	192,495	167,910	465,622	157,963	469,285	163,599	50,268	51,775	53,343	60,432

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	3,036	3,874	9,281	5,397	8,352	2,244	2,992	8,870	9,225	9,409	9,597	9,789
51020		Overtime	72	49	996	372	217	0	0	230	240	244	249	254
51030		Benefits	536	667	1,528	910	2,172	403	537	2,307	2,399	2,447	2,496	2,546
51500		Directors - Allowance & Stipend			386	386	403	303	404	428	445	454	463	472
51565		Directors - Mileage			128	128	133	71	95	141	147	150	153	156
53020		Admin, Office Supplies & Postage	6			6	0	16	21	0	0	0	0	0
53030		Communication		0	0	0	541	0	0	1,000	1,040	1,061	1,082	1,104
53040		Advertising			905	905			0	0	0	0	0	0
53050		Insurance	402	654	63	373	1,983	595	793	2,106	2,190	2,234	2,279	2,324
53080		Licence & Permits	450	513	5,951	2,305	676	190	254	718	747	762	777	792
54010		Legal					14,500	0	14,500	2,000				
54030		Contracted Services	920	416	4,276	1,871	1,190	346	462	1,264	1,314	1,341	1,367	1,395
55010		Repairs & Maintenance	329	298	1,497	708	1,082	550	734	1,149	1,195	1,219	1,243	1,268
55020		Operating Supplies	481	423	859	588	1,072	167	223	1,138	1,184	1,208	1,232	1,256
55025		Chemicals	71	51	(96)	9	595	43	57	632	657	670	684	697
55040		Utilities	1,423	1,805	2,023	1,750	2,380	1,228	1,637	2,528	2,629	2,681	2,735	2,790
Operating Expenses			7,726	8,751	27,796	15,708	35,296	6,157	22,709	24,511	23,411	23,879	24,357	24,844

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1221-100	WDV W - 2021 SROW Water Line Protection					1,021	1,216	1,216					
60000	CAP1422-100	WDV W - 2023 Water Quality Upgrades					341,416	127,992	300,000	41,416				
Capital Expenses			0	0	0	0	342,437	129,208	301,216	41,416	0	0	0	0

NON-OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59000		Contribution to Reserve	18,991	12,739	3,194	11,641	53,938	53,938	53,938	77,475	9,536	9,991	10,485	16,479
59500		Transfer to Other Service	17,386	15,818	11,526	14,910	14,901	1,870	14,901	11,860	8,175	8,338	8,505	8,675
59510		Transfer to Other Service - General Admin. Fee	3,837	3,952	4,150	3,980	4,256	4,256	4,256	4,520	4,701	4,795	4,891	4,988
59550		Transfer to Other Service - Environmental Services Fee	11,669	15,648	17,555	14,957	14,794	14,794	14,794	15,711	16,340	16,666	17,000	17,340
Non-Operating Expenses			51,883	48,157	36,425	45,488	87,889	74,858	87,889	109,566	38,751	39,790	40,880	47,482

Total Service	(0)	(52,260)	57,471	(11,894)	(11,894)	(11,894)	(11,894)	(11,894)
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	CAP1222-100	WDV W - 2021 Water Quality Upgrades												
59500	CAP1222-100	WDV W - 2021 Water Quality Upgrades - Project Management			3,968		7,500							
59500	OPR327-100	Woodbury Water Utility-Distribution - General												
59500	OPR327-112	Woodbury Water Utility-Transfer to other Service - Fleet	2,563	2,978	1,996	2,771	3,642		3,642	3,868	4,023	4,103	4,185	4,269
59500	OPR327-114	WDV W Woodbury Water Utility-Transfer to other Service - Project Ma	13,563	12,105	3,970	12,834		1,870	7,500	4,000				
59500	OPR327-117	Woodbury Water Utility-Transfer to other Service - Operator Admin	1,260	735	1,592	998	3,759		3,759	3,992	4,152	4,235	4,320	4,406
Total Transfer to Other Service			17,386	15,818	11,526	16,602	14,901	1,870	14,901	11,860	8,175	8,338	8,505	8,675

RESERVES

			2023	2024	2025	2026	2027	2028
		Balance Previous Year	152,089	180,547	255,828	267,922	280,592	293,883
		Interest (Assumed 1%)	1,521	1,805	2,558	2,679	2,806	2,939
		Contribution	53,938	77,475	9,536	9,991	10,485	16,479
		Withdrawal	(27,000)	(4,000)	0	0	0	0
			180,547	255,828	267,922	280,592	293,883	313,301

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	31,579
100 Year	37,279



REGIONAL DISTRICT OF CENTRAL KOOTENAY

EDGEWOOD WATER SERVICES COMMUNITY ADVISORY COMMITTEE DISCUSSION NOTES

A meeting of the Edgewood Water Services Community Advisory Committee was held at 9:15 am PST / 10:15 am MST on Thursday, November 23, 2023 through a hybrid model

Join by Meeting Link:

<https://nelsonho.webex.com/nelsonho/j.php?MTID=mb9580076543abd4ef59de5c893627ca1>

Join by Meeting Number:

Meeting Number (access code): 2770 693 8199

Meeting Password: 9PUxkJF2DB3 (97895532 from phones)

Join by Phone:

+1-604-449-3026 Canada Toll (Vancouver)

COMMITTEE MEMBERS PRESENT

Committee Member Floyd Webber

Committee Member Bill Dummett

Committee Member Kurtis Hopp

Committee Member Jennifer Irmen

Director T. Weatherhead, Electoral Area K (ex-officio)

COMMITTEE MEMBERS ABSENT

Committee Member Bill Penner

STAFF

Uli Wolf, GM – Environmental Services - Present

Jason McDiarmid, Utility Services Manager - Present

1. WELCOME AND INTRODUCTIONS

2. STAFF REPORTS: OPERATIONS & MAINTENANCE UPDATE

2.1 Operations and Maintenance Update

- Leak detection work completed, and identified/repaired one major leak.
- Annual flushing and valve exercising completed.

- Disconnected the original wells from the distribution system per Interior Health requirements.
- Standby auxiliary power (generator) will be procured shortly and installed in the spring of 2024.
- Well site fencing completed to satisfy Interior Health source protection requirements.
- Operations and Maintenance contract RFP has closed and is in the process of being awarded.

Action Item: Staff to provide a copy of the Annual Consumption report when finalized. Report to include the new wells capacity.

Action Item: Staff to provide WSCAC with reporting info on old and new wells aquafer levels as it relates to lake levels.

Action Item: Staff to provide WSCAC with a copy of the new Abandonment of Asbestos Pipe Policy.

2.2 Old Wells

- Agreement in place for fire group use of old wells.
- Original wells piped to the exterior of building for access by the volunteer fire group.
- Training and Safe Work Procedures to be completed this winter.

3. 2024-2028 FINANCIAL PLAN

A copy of the 2024-2028 Financial Plan for Service S253 Water Utility-Area K (Edgewood) is provided.

Action Item: Remove 2026 short term loan as it is not required.

4. NEXT ASSEMBLY

The next assembly of Edgewood Water Services Community Advisory Committee will be schedule in accordance with Section of 9 (1) of the RDCK Drainage, Water and Wastewater System Community Advisory Committee Bylaw No. 2858.

SUMMARY OF ACTION ITEMS:

1. Staff to provide a copy of the Annual Consumption report when finalized. Report to include the new wells capacity.
2. Staff to provide WSCAC with reporting info on old and new wells aquafer levels as it relates to lake levels.
3. Staff to provide WSCAC with a copy of the new Abandonment of Asbestos Pipe Policy.
4. Remove 2026 short term loan as it is not required.

Regional District of Central Kootenay

V-P1

Version P0 - Budget set up - JMcD, O&M and Capital added - AD. P1 - Issued for internal review.

S253 Water Utility-Area K (Edgewood)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

	Active Accounts	
	Service Charges % Increase EDG-COMMERCIAL- BUSINESS EDG-DWELLING- MULTI FAMILY- ADDITIONAL EDG-DWELLING- MULTI FAMILY- FIRST EDG-DWELLING- MULTI FAMILY- MOBILE UNIT EDG-DWELLING- SINGLE FAMILY EDG-INDUSTRIAL- ROAD MTNCE YARD EDG-INSTITUTIONAL- CHURCH EDG-INSTITUTIONAL- COMMUNITY HALL EDG-INSTITUTIONAL- FIRE HALL EDG-INSTITUTIONAL- HEALTH FACILITY EDG-INSTITUTIONAL- RECREATIONAL EDG-INSTITUTIONAL- SCHOOL	
	Metered Rate Base Charge Metered Consumption	
	Rate Holiday Credits EDG-RATE HOLIDAY- COMMERCIAL- BUSINESS EDG-RATE HOLIDAY- DWELLING- MULTI- FIRST EDG-RATE HOLIDAY- DWELLING- SINGLE-FIRST EDG-RATE HOLIDAY- DWELL-MULTI-ADDITIONAL EDG-RATE HOLIDAY- INDUSTRIAL- ROAD MTNCE EDG-RATE HOLIDAY- INSTITUT- RECREATIONAL EDG-RATE HOLIDAY- INSTITUTIONAL- CHURCH EDG-RATE HOLIDAY- INSTITUTIONAL- HALL EDG-RATE HOLIDAY- INSTITUTIONAL- HEALTH EDG-RATE HOLIDAY- INSTITUTIONAL- SCHOOL	
	BC Hydro Report Rate Holiday Eligible - Paid by BC Hydro Rate Holiday Eligible - Not Assessed Rate Holiday Not Eligible - Ownership Changed In Water System but Not Assessed	

No.	2023
93	
	4%
2	896
8	771
6	1,539
3	771
72	1,539
1	2,685
1	1,345
2	1,345
1	1,539
2	673
3	2,235
1	2,235
	154
	1.94
2	
6	
54	
6	
1	
3	
1	
2	
2	
1	

2024	2025	2026	2027	2028
6%	4%	4%	4%	4%
950	988	1,028	1,069	1,111
818	850	884	920	957
1,632	1,697	1,765	1,836	1,909
818	850	884	920	957
1,632	1,697	1,765	1,836	1,909
2,846	2,960	3,079	3,202	3,330
1,426	1,483	1,542	1,604	1,668
1,426	1,483	1,542	1,604	1,668
1,632	1,697	1,765	1,836	1,909
713	741	771	802	834
2,369	2,463	2,562	2,664	2,771
2,369	2,463	2,562	2,664	2,771
163	170	176	184	191
2.06	2.14	2.23	2.32	2.41

Parcel Tax % Increase	Collection		
	No.	Fee	15%
Parcels Assessed Parcel Tax (Rate Holiday)	65	10.50	569
Parcels Assessed Parcel Tax (No Rate Holiday)	19	0	569
Total			

10.0%	5.0%	5%	5%	5%
626	657	690	725	761
626	657	690	725	761

REVENUE

Account		
41015	Parcel Taxes	
	- Rate Holiday	
	- No Rate Holiday	
42020	Sale of Services	
42030	User Fees	
43020	Grants	
43030	Community Works Grants (Internal)	
43100	Proceeds from Borrowing	
45000	Transfer from Reserves	
49100	Prior Year Surplus	
Revenue		

2020	2021	2022	Average
32,256	42,284	42,263	38,934
105,319	138,021	2,323 144,591	2,323 129,310
100,000			100,000
225,000			225,000
35,596			35,596
(267,092)	23,467	14,866	(76,253)
231,079	203,772	204,042	454,911

2023 Budget	2023 YTD Actual	2023 Est Year End
49,069		
	0	32,858
	10,811	10,811
148,895	150,511	150,511
10,754	10,754	10,754
	0	10,450
97,000	0	14,935
9,647	12,071	12,071
315,365	184,146	242,389

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41,384	43,419	45,556	47,799	50,155
11,897	12,492	13,117	13,773	14,461
157,828	164,141	170,707	177,535	184,637
		131,000		
60,000	50,000	(81,000)	300,000	0
8,173	0	0	0	0
279,283	270,053	279,380	539,107	249,253

OPERATING EXPENSES

Account	
51010	Salaries
51010	- leak detection
51020	Overtime
51030	Benefits
51030	- leak detection
51500	Directors - Allowance & Stipend
52010	Travel
53020	Admin, Office Supplies & Postage
53030	Communication
53050	Insurance
53080	Licence & Permits
54030	Contracted Services
55010	Repairs & Maintenance
55020	Operating Supplies
55030	Equipment
55040	Utilities
Operating Expenses	

2020	2021	2022	Average
2,569	426	975	1,323
248	432	0	227
537	88	201	276
		256	
76	0	0	25
		2	2
1,042	955	1,061	1,019
999	1,483	1,887	1,456
200	150	150	167
41,383	25,993	24,581	30,653
645	344	356	448
0	0	0	0
0	0	0	0
6,691	7,662	7,097	7,150
54,390	37,532	36,566	42,745

2023 Budget	2023 YTD Actual	2023 Est Year End
1,993	2,836	2,836
1,000		0
354	597	796
518	645	645
260		0
266	267	356
128	71	95
0		0
1,242	855	1,140
1,604	1,274	1,698
1,202	399	532
32,122	17,314	23,086
1,655	1,382	1,843
55	0	0
55	0	0
7,381	4,705	6,273
49,835	30,346	39,300

	6.2%	4%	2%	2%	2%
	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
	2,117	2,201	2,245	2,290	2,336
	376	391	399	407	415
	550	572	584	595	607
	283	294	300	306	312
	136	141	144	147	150
	0	0	0	0	0
	1,319	1,371	1,399	1,427	1,455
	1,703	1,772	1,807	1,843	1,880
	1,277	1,328	1,354	1,381	1,409
	34,114	35,478	36,188	36,911	37,650
	1,757	1,828	1,864	1,902	1,940
	59	61	62	63	65
	59	61	62	63	65
	7,838	8,152	8,315	8,481	8,651
	51,587	53,650	54,723	55,818	56,934

CAPITAL EXPENSES

Account		
60000	CAP1078-100	EDG W-Well site fencing
60000	CAP1135-100	EDG W - 2020 -Reservoir Upgrades- (Decommissioning of wells)
60000	CAP1388-100	EDG W - Standby Generator
60000	CAP1440-100	EDG W - Old Resrvoir Removal
60000	CAP1205-100	EDG W - 2021 Distribution Upgrades - PN11-12-13
Capital Expenses		

2020	2021	2022	Average
0	0	0	0

2023 Budget	2023 YTD Actual	2023 Est Year End
17,000	14,935	14,935
20,000	10,450	10,450
60,000	0	0
97,000	25,385	25,385

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
0				
0				
60,000				
	50,000			
		50,000	300,000	
60,000	50,000	50,000	300,000	0

NON-OPERATING EXPENSES

Account		
56110	Shot-Term Financing Interest	
56110	- 2021 Loan	
56110	- 2026 Loan	
56120	Short-Term Financing Principal	
56120	- 2021 Loan	
56120	- 2026 Loan	
59000	Contribution to Reserve	
59500	Transfer to Other Service	
59510	Transfer to Other Service - General Admin. Fee	
59520	Transfer to Other Service - IT Fee	
59550	Transfer to Other Service - Environmental Services Fee	
Non-Operating Expenses		

2020	2021	2022	Average
	1,945	3,748	2,846
	43,220	44,104	43,662
74,254	56,500	60,641	63,798
10,842	5,524	4,038	6,801
8,107	8,351	8,768	8,409
1,548	1,568	1,587	1,568
27,799	30,847	32,520	30,389
122,550	147,954	155,406	157,472

2023 Budget	2023 YTD Actual	2023 Est Year End
6,209	5,252	6,209
43,883	43,883	43,883
75,319	75,319	75,319
8,019	1,000	9,019
5,875	5,875	5,875
1,820	1,820	1,820
27,405	27,405	27,405
168,530	160,554	169,530

	6.2%	4%	2%	2%	2%
	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
	4,230	2,162			
				5,240	4,273
	45,862	47,931			
				24,186	25,154
	71,811	68,686	126,080	104,315	112,354
	8,516	8,857	9,034	9,215	9,399
	6,239	6,489	6,619	6,751	6,886
	1,933	2,010	2,050	2,091	2,133
	29,104	30,268	30,874	31,491	32,121
	167,696	166,402	174,656	183,289	192,319

Total Service	
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(1)	(32,139)	8,173
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0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order	
59500	CAP1388-100	EDG W - Standby Generator
59500	OPR314-100	Edgewood Water Utility-Distribution - General
59500	OPR314-112	Edgewood Water Utility-Transfer to other Service - Fleet
59500	OPR314-114	Edgewood Water Utility-Transfer to other Service - Project Management
59500	OPR314-117	Edgewood Water Utility-Transfer to other Service - Operator Admin
Total Transfer to Other Service		

2020	2021	2022	Average
4,626	5,377	3,603	4,535
4,925			4,925
1,292	147	435	625
10,842	5,524	4,038	10,085

2023 Budget	2023 YTD Actual	2023 Est Year End
	1,000	1,000
6,575	0	6,575
1,444	0	1,444
8,019	1,000	9,019

2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
6,983	7,262	7,407	7,555	7,706
1,534	1,595	1,627	1,659	1,692
8,516	8,857	9,034	9,215	9,399

RESERVES

Balance Previous Year	
Interest (Assumed 1%)	
Contribution	
Withdrawal	

2023
163,635
1,636
75,319
(14,935)
225,655

2024	2025	2026	2027	2028
225,655	239,723	260,806	470,493	279,513
2,257	2,397	2,608	4,705	2,795
71,811	68,686	126,080	104,315	112,354
(60,000)	(50,000)	81,000	(300,000)	0
239,723	260,806	470,493	279,513	394,662

2022 Asset Management Plan Identified Contribution to Reserves

25 Year
100 Year

135,439
108,229
3,534,214
1,175,200

Model pipe replacement value, excluding asbestos pipe removal:

Total estimated asbestos pipe removal cost not yet included in annual contribution amounts (Policy 600-03-08 adopted October 2023):



REGIONAL DISTRICT OF CENTRAL KOOTENAY

RIONDEL WATER AND DRAINAGE SERVICES COMMUNITY ADVISORY COMMITTEE DISCUSSION NOTES

A meeting of the Riondel Water and Drainage Services Community Advisory Committee was held at 9:05 am PST / 10:05 am MST on Tuesday, November 28, 2023 through a hybrid model.

Join by Video:

<https://nelsonho.webex.com/nelsonho/j.php?MTID=m5daf4c2c1046205692359379684b8844>

Join by Meeting Number:

Meeting Number (access code): 2771 605 5395

Meeting Password: 2771 605 5395)

Join by Phone:

+1-604-449-3026 Canada Toll (Vancouver)

COMMITTEE MEMBERS PRESENT

Commissioner/Committee Member Gerald Panio
Commissioner/Committee Member Sylvia Horwood
Commissioner/Committee Member Lawrence Elgert
Director Garry Jackman, Electoral Area A (ex-officio)

STAFF

Uli Wolf, GM – Environmental Services - Present
Jason McDiarmid, Utility Services Manager
Alex Divlakovski, Water Operations Manager
Allan Richardson, Water Operations Supervisor

1. WELCOME AND INTRODUCTIONS

2. STAFF REPORTS

2.1 Riondel Drainage Presentation and Highland Consulting Reports

- Asset Challenge - Riondel Drainage Presentation (Attachment A)
- Condition Assessment for Existing Drainage Infrastructure at Riondel Report, Highland Consulting Ltd, 2023 – Provided for Information. (Attachment B)
- Culvert Analysis for Existing Drainage Infrastructure at Riondel, Highland Consulting Ltd, 2023 – Provided for Information. (Attachment C)

Action Item: Staff to review Campbell drainage options that might including planning for a new drainage line or ditching by the Province.

2.2 Drainage System Operations and Maintenance Update

2.3 Water System Operations and Maintenance Update

- Annual flushing and valve exercising
- Intake cleaned
- Replaced actuating valve for backwash and maintenance clean of membranes

Action Item: *Committee Member Lawrence Elgert reported that his pressure has been decreasing. Operators to confirm if it might be a system issue or private side issue.*

3. 2024-2028 FINANCIAL PLANS

A copy of the following Financial Plans is provided:

- 2024-2028 Financial Plan for Service S241 Water Utility-Area A (Riondel)
- 2024-2028 Financial Plan for Service S165 Drainage Area A

Action Item: *Uli Wolf to confirm with our Corporate Officer if it is possible to raise taxes beyond the limit set in the tax bylaw, if work resulting in the tax increase is considered an emergency.*

Action Item: *The proposed 2025 tax increase may need to be postponed until 2026 to allow time for Public Assent, if required.*

4. NEXT ASSEMBLY

The next assembly of Riondel Water and Drainage Services Community Advisory Committee will be schedule in accordance with Section of 9 (1) of the RDCK Drainage, Water and Wastewater System Community Advisory Committee Bylaw No. 2858.

A drainage meeting will likely be required. Time and date to be determined.

SUMMARY OF ACTION ITEMS:

1. Committee Member Lawrence Elgert reported that his pressure has been decreasing. Operators to confirm if it might be a system issue or private side issue.
2. Uli Wolf to confirm with our Corporate Officer if it is possible to raise taxes beyond the limit set in the tax bylaw, if work resulting in the tax increase is considered an emergency.
3. The proposed 2025 tax increase may need to be postponed until 2026 to allow time for Public Assent, if required.

Regional District of Central Kootenay

S165 Drainage-Area A

V-P2

Version P2 - Issued for CAC meeting.

SYSTEM INFORMATION AND RATES

		No.	2023	2024	2025	2026	2027	2028
	Number of Active Parcels in Service Area	214						
	Average Tax per Active Parcel		72	117	176	193	213	251
	Requisition Tax % Increase		20%	62.21%	50%	10%	10%	18%

REVENUE

Account		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41010	Requisitions	11,689	12,273	12,887	11,981	15,464	15,464	15,464	25,084	37,626	41,389	45,528	53,723
43100	Proceeds from Borrowing								106,000				
45000	Transfer from Reserves					51,000		16,434	46,000	0	0	0	27,000
49100	Prior Year Surplus	2,606	4,877	1,096	3,742	2,787	2,788	2,788	8,262	0	0	0	0
Revenue		14,295	17,150	13,983	15,723	69,251	18,252	34,686	185,346	37,626	41,389	45,528	80,723

OPERATING EXPENSES

Account		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010	Salaries	522	1,292	1,397	907	2,172	435	580	1,000	1,040	1,061	1,082	1,104
	- CAP support								1,000				
51020	Overtime - Subtotal		35			104	0	0	111	115	118	120	122
51030	Benefits	77	238	172	158	565	63	84	260	270	276	281	287
	- CAP support								260				
53050	Insurance	21	25	96	23	100	57	76	106	110	112	115	117
54020	Professional Fees					0		0	0	0	0	0	0
54020	- Asset Management Plan and 10 Year Update Plan					0	0	0					
54030	Contracted Services	60			60	5,000	0	0	500	520	530	541	552
54030	- repairs					0			0	0	0	0	0
54030	- Camera Work & Field Assessment					0			0	0	0	0	0
54040	Consulting Fees					15,000	15,459	16,434					
54040	- Asset Management Plan and 10 Year Update Plan					0	0	0	0	0	0	0	0
55010	Repairs and Maintenance		163			2,000	0	0	2,124	2,209	2,253	2,298	2,344
55040	Utilities					0			0	0	0	0	0
55050	Vehicles					0			0	0	0	0	0
55060	Rentals - Subtotal					0			0	0	0	0	0
Operating Expenses		680	1,753	1,664	1,148	24,940	16,014	17,174	5,361	4,265	4,350	4,437	4,526

CAPITAL EXPENSES

Account		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	NO CAP YET					36,000		0	152,000				
60000	NO CAP YET												27,000
Capital Expenses		0	0		0	36,000		0	152,000	0	0	0	27,000

NON-OPERATING EXPENSES

Account		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56120	Short-Term Financing Interest 2023									5,968	4,901	3,775	2,585
56120	Short-Term Financing Principal 2023									18,943	20,010	21,137	22,327
59000	Contribution to Reserve	2,203	7,209	2,162	4,706	760	760	760	9,967	111	3,622	7,504	15,436
59500	Transfer to Other Service	1,337	1,337	1,396	1,337	1,577	940	2,517	11,675	1,742	1,777	1,812	1,848
59510	Transfer to Other Service - General Admin. Fee	300	300	300	300	300	300	300	319	331	338	345	352
59550	Transfer to Other Service - Environmental Services Fee	4,508	5,455	5,673	4,982	5,673	5,673	5,673	6,025	6,266	6,391	6,519	6,649
Non-Operating Expenses		8,348	14,301	9,531	11,324	8,310	7,673	9,250	27,985	33,361	37,039	41,090	49,197

Principal Plus Contribution to Reserves

Total Service	1	(5,435)	8,262	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order	2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	OPR321-112								10,000				
59500	OPR321-112	910	1,058	709	984	1,293	0	1,293	1,373	1,428	1,457	1,486	1,516
59500	OPR321-114					0	940	940					
59500	OPR321-117	427	279	687	353	284	0	284	302	314	320	326	333
Total Transfer to Other Service		1,337	1,337	1,396	1,337	1,577	940	2,517	11,675	1,742	1,777	1,812	1,848

RESERVES

	2023	2024	2025	2026	2027	2028
Balance Previous Year	51,216	36,055	382	497	4,124	11,669
Interest (Assumed 1%)	512	361	4	5	41	117
Contribution	760	9,967	111	3,622	7,504	15,436
Withdrawal	(16,434)	(46,000)	0	0	0	(27,000)
	36,055	382	497	4,124	11,669	221

2022 Asset Management Plan Identified Contribution to Reserves

32,433

Excludes 2023 planned replacements

Regional District of Central Kootenay
V-P2

Version P - Issued for CAC meeting.

S241 Water Utility-Area A (Riondel)

2024 to 2028 Financial Plan

SYSTEM INFORMATION AND RATES

					No.	2023	2024	2025	2026	2027	2028
		Active Accounts			199						
						5%	6%	3%	3%	3%	3%
		M-RIONDEL-DWELLING-METERED			1	333	353	364	374	386	397
		- Metered Base Rate			30	1.27	1.35	1.39	1.43	1.47	1.52
		- Consumption (m3)									
		Service Charges % Increase				5%	6%	3%	3%	3%	3%
		RIO-COMMERCIAL- BUSINESS			1	838	888	915	942	971	1,000
		RIO-COMMERCIAL- CAMPGROUND			1	4,162	4,412	4,544	4,680	4,821	4,965
		RIO-COMMERCIAL- GOLF COURSE			1	15,575	16,510	17,005	17,515	18,040	18,582
		RIO-COMMERCIAL-FOOD & BEV SERVICES			1	1,456	1,543	1,590	1,637	1,686	1,737
		RIO-COMMERCIAL-REC-SEASONAL-PER UNIT			2	520	551	568	585	602	620
		RIO-DWELLING-MULTI FAMILY-ADDITIONAL			6	838	888	915	942	971	1,000
		RIO-DWELLING-MULTI FAMILY-FIRST DWELLING			3	838	888	915	942	971	1,000
		RIO-DWELLING-SINGLE FAMILY			191	838	888	915	942	971	1,000
		RIO-INSTITUTIONAL- AMBULANCE STATION			1	1,243	1,318	1,357	1,398	1,440	1,483
		RIO-INSTITUTIONAL- CHURCH			1	838	888	915	942	971	1,000
		RIO-INSTITUTIONAL- CHURCH SEASONAL			1	520	551	568	585	602	620
		RIO-INSTITUTIONAL-RDCK-FIRE HALL			1	0	0	0	0	0	0
		Number of Parcels Assessed Frontage Tax			214						
		Parcel Tax % Increase				4%	0%	2%	2%	2%	2%
						257	257	262	267	273	278

REVENUE

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
41010		Requisitions												
41015		Parcel Taxes	52,876	52,876	52,876	52,876	54,991	54,991	54,991	54,991	56,091	57,213	58,357	59,524
42020		Sale of Services		1,460		1,460								
42025		Sale of Services - Specified	1,000	(1,000)		0		200	200					
42030		User Fees	165,494	173,590	181,234	173,439	190,609	189,357	189,357	205,262	211,420	217,762	224,295	231,024
43100		Proceeds from Borrowing												320,000
43020		Grants					17,191	17,191	17,191					
43030		Community Works Grants (Internal)												
45000		Transfer from Reserves	35,574	2,196		18,885	160,000	0	2,280	168,000	75,000	0	0	580,000
49100		Prior Year Surplus	621	13,009	22,351	11,994	(5,300)	(5,243)	(5,243)	4,015	0	0	0	0
Revenue			255,565	242,131	256,461	258,654	417,491	256,495	258,775	432,268	342,510	274,975	282,652	1,190,548

OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
51010		Salaries	27,224	25,590	28,006	26,940	35,671	21,188	28,251	35,671	37,098	37,840	38,597	39,368
51010		- Leak detection					1,000			1,000				
51020		Overtime	2,227	785	418	1,143	2,118	1,214	1,619	2,249	2,339	2,386	2,434	2,482
51030		Benefits	4,312	4,865	4,116	4,431	9,274	3,648	4,864	9,849	10,243	10,448	10,657	10,870
51030		- Leak detection					190			260				
51050		Employee Health & Safety	0	0	0	0	0	854	854	0	0	0	0	0
51500		Directors - Allowance & Stipend			386		401	505	673	715	744	759	774	789
51565		Directors - Mileage			76		79	187	250	265	276	281	287	293
52010		Travel	271	0	0	90	289	0	0	307	319	326	332	339
52020		Education and Training	0	0	0	0	212	10	1,500	225	234	239	244	248
52030		Memberships, Dues & Subscriptions	60	0	300	120	312	300	300	331	345	351	359	366
53020		Admin, Office Supplies & Postage	0	5	0	2				0	0	0	0	0
53030		Communication	1,170	1,215	1,072	1,152	1,115	777	1,036	1,184	1,231	1,256	1,281	1,307
53050		Insurance	4,093	3,941	5,247	4,427	4,782	4,024	5,366	5,078	5,282	5,387	5,495	5,605
53080		Licence & Permits	150	761	310	407	1,147	414	553	587	610	623	635	648
54030		Contracted Services	6,936	9,952	4,775	7,221	8,243	2,866	3,821	8,754	9,104	9,286	9,472	9,662
		- Invasive Plant Management					1,110		1,110		0	0	0	0
55010		Repairs & Maintenance	4,926	7,249	13,972	8,716	5,610	11,793	11,793	5,958	6,196	6,320	6,446	6,575
55020		Operating Supplies	712	693	4,575	1,993	4,758	4,146	5,528	5,053	5,255	5,360	5,467	5,577
55025		Chemicals	6,437	7,584	8,870	7,630	9,225	9,547	12,730	9,797	10,189	10,393	10,600	10,812
55030		Equipment	399	296	0	232	0	433	577	613	638	650	663	677
55030		- Chlorine analyser								8,000				
55040		Utilities	6,156	6,268	6,489	6,304	6,749	4,932	6,576	7,167	7,454	7,603	7,755	7,910
55050		Vehicles	902	1,112	1,493	1,169	1,553	1,069	1,426	1,649	1,715	1,750	1,785	1,820
Operating Expenses			65,975	70,316	80,105	71,978	93,838	67,910	88,827	104,715	99,273	101,258	103,283	105,349

CAPITAL EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
60000	CAP1005-100	Reservoir Valve Chamber & Meter					70,000	0	0	70,000				
60000	CAP1092-100	RIO W - 2024 WTP Membrane Replacement & Capacity Upgrade									75,000			
60000	CAP1217-100	RIO W - 2021 Intake Repairs					10,000	0	0	10,000				
60000	CAP1216-100	RIO W - 2022 portable generator purchase and install					80,000	0	0	80,000				
60000	NO CAP YET	Rio W - ? Twinning reservoir?												900,000
Capital Expenses							160,000	0	0	160,000	75,000	0	0	900,000

NON-OPERATING EXPENSES

Account			2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
56010		Debenture Interest (MFA 117)	8,125	7,150	3,675	6,317	3,675	1,032	3,675	3,675	3,675	3,675	3,675	3,675
56020		Debenture Principal (MFA 117)	6,003	6,003	6,699	6,235	6,699	0	6,699	6,699	6,699	6,699	6,699	6,699
59000		Contribution to Reserve	26,616	50,941	89,549	55,702	87,895	87,895	87,895	91,459	89,514	93,626	97,884	102,292
59500		Transfer to Other Service	17,359	12,162	19,548	16,356	12,236	1,710	14,516	9,278	9,649	9,842	10,039	10,239
59510		Transfer to Other Service - General Admin. Fee	15,200	15,656	16,439	15,765	13,183	13,183	13,183	14,000	14,560	14,852	15,149	15,452
59520		Transfer to Other Service - IT Fee	4,690	4,750	4,810	4,750	5,516	5,516	5,516	5,858	6,092	6,214	6,338	6,465
59550		Transfer to Other Service - Environmental Services Fee	62,014	50,847	40,879	51,247	34,449	34,449	34,449	36,585	38,048	38,809	39,585	40,377
Non-Operating Expenses			140,007	147,509	181,598	156,371	163,653	143,785	165,933	167,553	168,238	173,717	179,369	185,199

Total Service			49,583	24,307	(5,243)	30,305	160,000	44,800	4,015	0	0	0	0	0
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59500 TRANSFER TO OTHER SERVICE

Account	Work Order		2020	2021	2022	Average	2023 Budget	2023 YTD Actual	2023 Est Year End	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget
59500	CAP1005-100	RIO W - Reservoir Valve Chamber & Meter (2021)					0	720	960					
59500	CAP1216-100	RIO W - 2021 Portable generator					0	990	1,320					
59500	OPR322-100	Riondel Water Utility-Distribution - General	3,730	3,730	3,730	3,730								
59500	OPR322-100	- Truck Loan Interest					200	0	200	0				
59500	OPR322-100	- Truck Loan Principal					3,300	0	3,300	0				
59500	OPR322-112	Riondel Water Utility-Transfer to other Service - Fleet	2,752	3,198	2,143	2,698	3,911	0	3,911	4,153	4,320	4,406	4,494	4,584
59500	OPR322-114	Riondel Water Utility-Transfer to other Service - Project Management												
59500	OPR322-117	Riondel Water Utility-Transfer to other Service - Operator Admin	10,877	5,234	13,675	9,929	4,825	0	4,825	5,124	5,329	5,436	5,544	5,655
Total Transfer to Other Service			17,359	12,162	19,548	16,356	12,236	1,710	14,516	9,278	9,649	9,842	10,039	10,239

RESERVES

		2023	2024	2025	2026	2027	2028
	Balance Previous Year						
	RES 162 Riondel Water Reserve	248,247	334,904	261,711	278,843	375,257	476,893
	RES 163 Riondel Water Capital Utility	0	0	0	0	0	0
	Total	246,821	334,904	261,711	278,843	375,257	476,893
	Interest (Assumed 1%)	2,468	3,349	2,617	2,788	3,753	4,769
	Contribution	87,895	91,459	89,514	93,626	97,884	102,292
	Withdrawal	(2,280)	(168,000)	(75,000)	0	0	(580,000)
		334,904	261,711	278,843	375,257	476,893	3,954

2022 Asset Management Plan Identified Contribution to Reserves

25 Year	91,715						
100 Year	114,744	2023	2024	2025	2026	2027	2028



REGIONAL DISTRICT OF CENTRAL KOOTENAY

BALFOUR WATER SERVICES COMMUNITY ADVISORY COMMITTEE DISCUSSION NOTES

A meeting of the Balfour Water Services Community Advisory Committee was held at 9:00 am PST / 10:00 am MST on Thursday, November 30, 2023 through a hybrid model.

Join by Meeting Link:

<https://nelsonho.webex.com/nelsonho/j.php?MTID=m464c9a5a687f9990d84b43e8833fa1cc>

Join by Meeting Number:

Meeting Number (access code): 2773 555 1166

Meeting Password: M3EbJmwSs22

COMMITTEE MEMBERS

Committee Member Brant Gray

Committee Member Roy Van Housen

COMMITTEE MEMBERS ABSENT

Committee Member Bob Kinnear

STAFF

Uli Wolf, GM – Environmental Services

Alex Divlakovski, Water Operations Manager

1. WELCOME AND INTRODUCTIONS

2. STAFF REPORTS

2.1 Operations and Maintenance Update

- Annual flushing and valve exercising completed
- Spring hydrant testing
- Leak detection work completed on Upper Balfour Road
- Watershed Protection Plan completed by staff
- Balfour Wharf Road water main replacement project completed

2.2 Queens Bay Resort and Other Developments

- Reviewed development stage, number of units, potential Capital Infrastructure Charge (CIC and potential Annual Revenue of three developments in the water system.

- Reviewed Queens Bay Resort request for CIC fee reduction being presented to Water Services Committee Dec. 6, 2023 for recommendation to the Board of Directors.

3. 2024-2028 FINANCIAL PLAN

A copy of the 2024-2028 Financial Plan for Service S255 Water Utility-Area E (Balfour) is provided.

4. NEXT ASSEMBLY

The next assembly of Balfour Water Services Community Advisory Committee will be schedule in accordance with Section of 9 (1) of the RDCK Drainage, Water and Wastewater System Community Advisory Committee Bylaw No. 2858.

The next meeting will be scheduled in November 2024 to review budgets (date TBD).

