



Regional District of Central Kootenay
WATER SERVICES COMMITTEE
Open Meeting Addenda

Date: Wednesday, October 23, 2024
Time: 1:00 pm
Location: Hybrid Model - In-person and Remote

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

Pages

1. ZOOM REMOTE MEETING INFO

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

Meeting Time:

1:00 p.m.

Join by Video:

<https://rdck-bc-ca.zoom.us/j/93253102569?pwd=Z2RH0H0aaKsanVJ0C3dEWws0OscJzu.1&from=addon>

Join by Phone:

- +1 778 907 2071 Canada
- 833 955 1088 Canada Toll-free

Meeting ID: 932 5310 2569

Passcode: 986419

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

2. CALL TO ORDER & WELCOME

General Manager Wolf to assume the chair and call the meeting to order at 1:00 p.m.

3. ELECTION OF INTERIM CHAIR

Committee to elect an Interim Chair for the October 23, 2024 Water Services Committee Meeting.

3.1 CALL FOR NOMINATIONS

3.2 OPPORTUNITY FOR CANDIDATES TO ADDRESS THE COMMITTEE

3.3 VOTE BY SECRET BALLOT

As per RDCK Procedure Bylaw No. 2576, 2019.

3.4 DECLARATION OF THE ELECTED OR ACCLAIMED INTERIM CHAIR

3.5 DESTROY BALLOTS

RECOMMENDATION:

That the ballots used in the election of the Water Services Committee Interim Chair be destroyed.

4. COMMENCEMENT OF REGULAR COMMITTEE MEETING

The Water Services Committee Interim Chair assumes the Chair.

4.1 TRADITIONAL LANDS ACKNOWLEDGEMENT STATEMENT

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

4.2 ADOPTION OF THE AGENDA

RECOMMENDATION:

The agenda for the October 23, 2024 Water Services Committee meeting be adopted as circulated.

4.3 RECEIPT OF MINUTES

The August 7, 2024 Water Services Committee minutes, have been received.

6 - 9

5. *SANCA NORTH PROPERTIES SERVICE ESTABLISHMENT BYLAW UPDATE*

10 - 15

The October 10, 2024 Committee Report from Eileen Senyk, Water Services Liaison providing an update on the North Sanca Service Area Amendment, has been received.

NOTE: Staff report will be added to the addenda

6. PARCEL TAX AND SERVICE ESTABLISHMENT BYLAW AMENDMENTS

16 - 19

The October 10, 2024 Committee Report from Eileen Senyk, Water Services Liaison proposing amendments to Parcel/Frontage Tax Bylaws and Services Establishment Bylaws, has been received.

RECOMMENDATION:

That the Board direct staff to prepare amendments to the Parcel/Frontage Tax Bylaws for Balfour, Duhamel, Riondel, Sanca and Woodbury Village, and the Service Establishment Bylaws for Duhamel, Burton, Woodbury Village, Sanca and South Slokan to build system-specific capital reserve funds for system renewal and replacement.

7. WATER SYSTEM ADVISORIES

20 - 24

The September 25, 2024 Committee Report from Nathalie Nick, Environmental Coordinator for Utility Services summarizing the water advisories issued from May 1, 2024 to August 31, 2024 for water systems operated by the RDCK, has been received.

8. WATER OPERATIONS AND CAPITAL PROJECT UPDATE

25 - 31

The October 17, 2024 Committee Report from Alexandra Divlakovski, Water Operations Manager providing an update on the larger maintenance and capital projects completed to date in 2024, has been received.

9. STAFF REPORTS

Chris Gainham, Utility Services Manager will provide verbal reports on the following items:

- Water and Wastewater Acquisition Policy
- Creston Valley Alternate Water Supply Feasibility Study and Upcoming Stakeholder Information Session

10. WATER SYSTEM COMMUNITY ADVISORY COMMITTEES

10.1 Riondel Water & Drainage Services Community Advisory Committee

32 - 33

The September 13, 2024 Riondel Water & Drainage Services Community Advisory Committee meeting notes, have been received.

11. PUBLIC TIME

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

12. IN CAMERA

12.1 MEETING CLOSED TO THE PUBLIC

The Open meeting will be adjourned after In-Camera without reconvening back into the open session unless there is business that needs to be addressed.

RECOMMENDATION:

In the opinion of the Board and, in accordance with Section 90 of the *Community Charter* the public interest so requires that persons other than DIRECTORS, ALTERNATE DIRECTORS, DELEGATIONS AND STAFF be excluded from the meeting; AND FURTHER, in accordance with Section

90 of the *Community Charter*, the meeting is to be closed on the basis identified in the following Subsections:

90 (1) A part of a council meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:

- (a) personal information about an identifiable individual who holds or is being considered for a position as an officer, employee or agent of the municipality or another position appointed by the municipality;
- (b) personal information about an identifiable individual who is being considered for a municipal award or honour, or who has offered to provide a gift to the municipality on condition of anonymity;
- (c) labour relations or other employee relations;
- (d) the security of the property of the municipality;
- (e) the acquisition, disposition or expropriation of land or improvements, if the council considers that disclosure could reasonably be expected to harm the interests of the municipality;
- (f) law enforcement, if the council considers that disclosure could reasonably be expected to harm the conduct of an investigation under or enforcement of an enactment;
- (g) litigation or potential litigation affecting the municipality;
- (h) an administrative tribunal hearing or potential administrative tribunal hearing affecting the municipality, other than a hearing to be conducted by the council or a delegate of council;
- (i) the receipt of advice that is subject to solicitor-client privilege, including communications necessary for that purpose;
- (j) information that is prohibited, or information that if it were presented in a document would be prohibited, from disclosure under section 21 of the Freedom of Information and Protection of Privacy Act;
- (k) negotiations and related discussions respecting the proposed provision of a municipal service that are at their preliminary stages and that, in the view of the council, could reasonably be expected to harm the interests of the municipality if they were held in public;
- (l) discussions with municipal officers and employees respecting municipal objectives, measures and progress reports for the purposes of preparing an annual report under section 98 [annual municipal report];

(m) a matter that, under another enactment, is such that the public may be excluded from the meeting;

(n) the consideration of whether a council meeting should be closed under a provision of this subsection or subsection (2);

(o) the consideration of whether the authority under section 91 [other persons attending closed meetings] should be exercised in relation to a council meeting.

12.2 RECESS OF OPEN MEETING

RECOMMENDATION:

The Open meeting be recessed at _____ p.m. in order to conduct the *In Camera* meeting.

13. ADJOURNMENT

RECOMMENDATION:

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



WATER SERVICES COMMITTEE Open Meeting **MINUTES**

A Water Services Committee meeting was held on Wednesday, August 7, 2024 at 9:00 am PST through a hybrid meeting model.

Quorum was maintained throughout the meeting.

ELECTED OFFICIALS	Director T. Newell	Area F (2024 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	
	Director W. Popoff	Area H	
	Director H. Hanegraaf	Area J	
	Director T. Weatherhead	Area K	
	Councillor D. Dumas	Town of Creston	
STAFF PRESENT:	U. Wolf	GM – Environmental Services	In-Person
	C. Gainham	Utility Services Manager	
	A. Divlakovski	Water Operations Manager	In-Person
	E. Senyk	Water Services Liaison	In-Person
	E. Clark	Meeting Coordinator	In-Person

1. ZOOM REMOTE MEETING INFO

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

Meeting Time:

9:00 a.m. PST

Join by Video:

<https://rdck-bc-ca.zoom.us/j/95493679077?pwd=x0hFRE0sb4o2OJ3zuq9INmQUcrguN.1&from=addon>

Join by Phone:

- +1 778 907 2071 Canada
- 833 958 1164 Canada Toll-free

Meeting ID: 954 9367 9077

Meeting Password: 444070

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

2. CALL TO ORDER & WELCOME

Chair Newell called the Water Services Committee 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

Moved and seconded,
And resolved that:

The Agenda for the August 7, 2024 Water Services Committee meeting be adopted as circulated.

Carried

2.3 Receipt of Minutes

The June 5, 2024 Water Services Committee minutes, have been received.

3. 2024 WATER AND WASTEWATER SYSTEM ACQUISITION POLICY

The July 29, 2024 Committee Report from Chris Gainham, Utility Services Manager, regarding the adoption of the 2024 Water & Wastewater System Acquisition Policy, has been received.

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

That the Board adopt the 2024 Water and Wastewater System Acquisition Policy, and rescind Water and Wastewater System Acquisition Policy No. 600-03-04 (2012), effective immediately.

Carried

4. CRESTON VALLEY ALTERNATIVE WATER SOURCE FEASIBILITY STUDY

Chris Gainham, Utility Services Manager provided a verbal report on the Creston Valley Alternative Water Source Feasibility Study.

5. WATER OPERATIONS AND CAPITAL PROJECT UPDATE

The July 26, 2024 Committee Report from Alexandra Divlakovski, Water Operations Manager, providing an update on operations, maintenance and capital projects, has been received.

6. SANCA NORTHERN PROPERTIES SERVICE ESTABLISHMENT BYLAW

Uli Wolf, General Manager of Environmental Services provided a verbal report on the Sanca Northern Properties third reading at Board to remove properties from the Service establishment Bylaw.

7. JUNE 2024 UTILITIES SERVICES STATEMENTS

The June 2024 Summary of Utility Services Financial Statements, Budget and Expenditures to date, have been received.

8. PUBLIC TIME

The Chair called for questions from the public and members of the media at 9:45 am.

9. ADJOURNMENT

Moved and Seconded,
And Resolved:

The August 7, 2024 Water Services Committee meeting adjourned at 9:49 am.

CERTIFIED CORRECT



Director T. Newell

2024 Water Services Committee Chair

BOARD RECOMMENDATIONS AS ADOPTED AT THE AUGUST 7, 2024 WATER SERVICES COMMITTEE MEETING

RECOMMENDATION #1

That the Board adopt the 2024 Water and Wastewater System Acquisition Policy, and rescind Water and Wastewater System Acquisition Policy No. 600-03-04 (2012), effective immediately.



Committee Report

Date of Report: October 10, 2024
Date & Type of Meeting: October 23, 2024 Water Services Committee
Author: Eileen Senyk, Water Services Liaison
Subject: Service Area Bylaw Amendment, North Sanca
File: 5700/11/SAN/20
Electoral Area: A

SECTION 1: EXECUTIVE SUMMARY

The purpose of this report is to provide an update to the Water Services Committee regarding proposed changes to the service area and removal of two parcels from the water system service area. This is no longer a viable option and this report summarizes the issue and provides information on go-forward options.

In the 2019, *Sanca Park Water Supply and Distribution System Specified Area Amendment Bylaw No. 2665, 2019* was given FIRST and SECOND reading. If adopted, this bylaw would remove the two northernmost properties from the Sanca Water Service area. Third reading and adoption of this bylaw have been on hold for several years in order to give the owner time to explore an alternate water source.

SECTION 2: BACKGROUND/ANALYSIS

The Sanca Park water service, situated halfway between the Town of Creston and Crawford Bay on the east shore of Kootenay Lake is home to 32 parcels of land and 28 connections. Source water comes from Sanca Creek - an untreated surface water source, and is therefore at risk of containing disease causing pathogens, and, as a result, operates under a long term Boil Water Notice (BWN). In February 2012 Interior Health amended the system's Operating Permit to include a required treatment provision that states Sanca must move out of the "High Risk requiring Boil Water Notification" category and install treatment. The system remains without treatment following formal Petition in 2016 and a majority of water users voting "NO" to borrowing for a proposed treatment system.

Within the service area boundary there are two properties situated in the most northerly section of the water system which are serviced via a water main that runs through a privately owned parcel of land with no easement or statutory right of way. This private property, which is used as a recreational resort, is serviced by multiple sewer lines. Some of these sewer lines cross the substandard waterline, have unknown separation distance with the water line, and therefore, create a potential added health risk to the entire system from cross-connection.

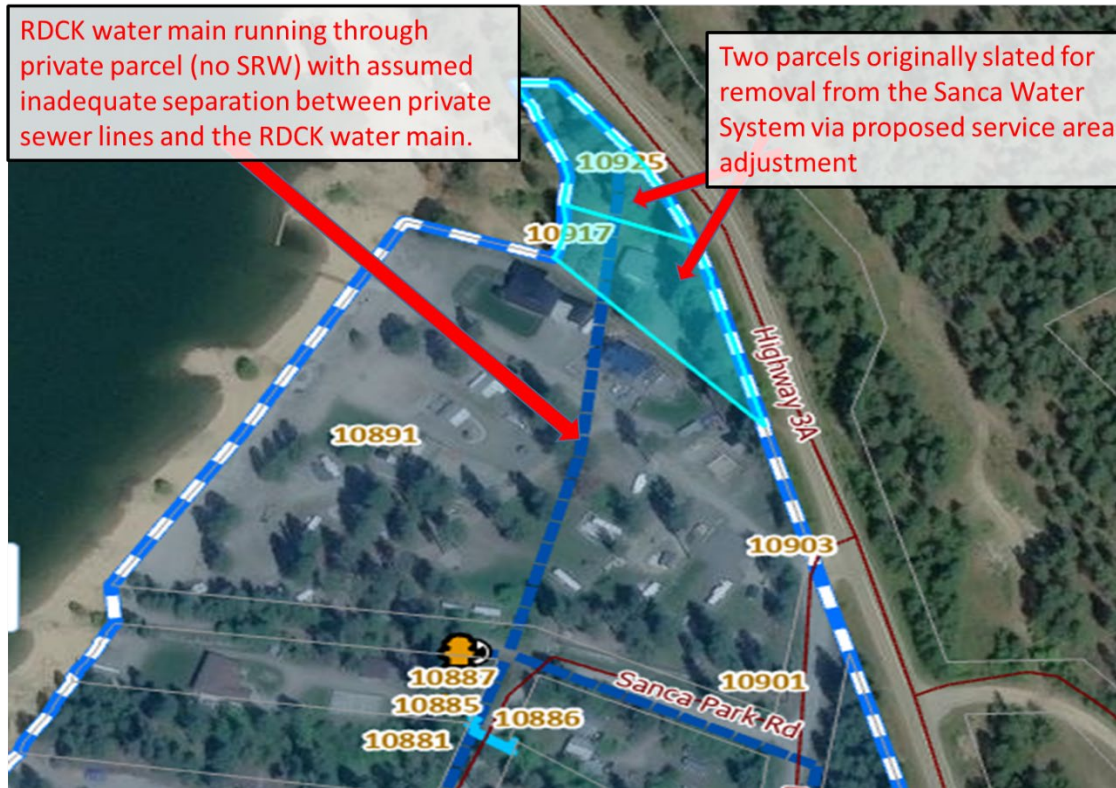


Figure 1: Map of Subject Properties Highlighted in Blue

The legal descriptions of the subject properties are as follows:

PID	Legal Description
016-383-818	Parcel 1, District Lot 913, Reference Plan 91334I (786.04014.000)
016-372-514	Parcel A, District Lot 913, Reference Plan 50803I (786.04013.000)

Staff have investigated re-servicing options and determined that it would be cost prohibitive for Sanca users to incur the costs required to relocate the water main into the Highway 3A road right-of-way to serve the two northern properties.

In 2019, by Board Resolution #258/19 Bylaw 2665, being a bylaw to amend the Sanca Park Water Supply & Distribution System Specified Area Amendment Bylaw No. 268, and remove these two parcels from the system, was given FIRST and SECOND Reading.

However, in order to remove a property or properties from a service area, they must have an alternative water source. They must also go through a standard 'petition out' process which requires Provincial approval. The owner of these two properties has not 'petitioned out' of the water system.

Staff have recently communicated with the owner of the two properties and confirmed that no alternative water source exists at this time. Pumping water from the lake would require a water license under the Water

Sustainability Act. No application has been made and the owner does not plan to make an application in the foreseeable future.

While the easiest and most cost effective option for the water service is to remove the two subject properties, it is not a viable option given that the water is necessary to the two properties. Staff will now explore other options including backflow prevention infrastructure or replacing the water main. Considerations are listed in the sections to follow and are included for information only at this time.

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

Currently, each property in the service area contributes to the system's reserve fund through an annual parcel tax contribution in the amount of \$495. Based on the water system intake upgrade works completed (2016), the service may have insufficient reserves available to pay for any further additional capital work. Should the mainline relocation work be undertaken, long term borrowing in the amount would likely be required, which will result in an increase to the current \$495 annual parcel tax. The Sanca Water Service currently has \$87,743.97 in reserve.

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

The former Sanca Water Commission (now a Community Advisory Committee) requested that the Regional District remove the two properties from the service. The Regional Board subsequently provided Resolution 258/19: *That the Sanca Park Water Supply and Distribution System Specified Area Amendment Bylaw No. 2665, 2019 is hereby read the FIRST and SECOND time.* The Bylaw has not yet been adopted as alternate water servicing would have to be provided by the property owner and Provincial approval is required.

3.3 Environmental Considerations

Relocation of the mainline may reduce the risk of the already non-potable water being further contaminated by the existing cross-contamination risk due to septic lines that are located throughout the recreational resort private property.

3.4 Social Considerations:

Undue hardship would be caused to the property owner that will have to pursue development of an alternate water source should the service area be amended.

3.5 Economic Considerations:

The current and previous owner(s) of the property have been paying into the service (taxation and user fees) for many years. The contribution to reserve funds from this property are therefore significant.

3.6 Communication Considerations:

Staff had not had any communication with the owner of these properties until recently. Several attempts to communicate were made over the past three year. Recently the owner reached out to provide information. We now understand that the owner wants to continue using water from the Sanca Water Service and has not pursued an alternative water source.

3.7 Staffing/Departmental Workplan Considerations:

Workplan considerations will be made as a new course of action is determined.

3.8 Board Strategic Plan/Priorities Considerations:

Removal of the norther properties from the Sanca water service area would have aligned with the Board's strategic priority to manage assets and service delivery in a fiscally responsible manner, however Provincial approval would likely not be received without ensuring that the property has an alternative water supply, and that the standard 'petition out' process has been followed.

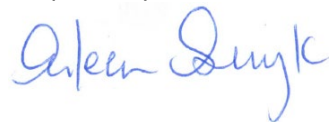
SECTION 4: OPTIONS & PROS / CONS

This report is an update, and for information only.

SECTION 5: RECOMMENDATIONS

This report is an update, and for information only.

Respectfully submitted,



Eileen Senyk

CONCURRENCE

Manager, Utility Services – Chris Gainham - **Digitally Approved by Chris Gainham**

ATTACHMENT A - *Sanca Park Water Supply and Distribution System Specified Area Amendment Bylaw No. 2665, 2019*

REGIONAL DISTRICT OF CENTRAL KOOTENAY

Bylaw No. 2665

A Bylaw to amend Bylaw No. 268, being the "Sanca Park Water Supply and Distributions System Specified Area Establishment Bylaw No. 268, 1979"

WHEREAS a service has been established by the Regional District of Central Kootenay by Bylaw No. 268, being the "Sanca Park Water Supply and Distributions System Specified Area Establishment Bylaw No. 268, 1979";

AND WHEREAS the Board of the Regional District of Central Kootenay deems it expedient to further amend Bylaw No. 268 to exclude two properties from the service area boundaries;

AND WHEREAS pursuant to the Local Government Act, consent on behalf of the electoral area electors has been received;

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

1 The "Sanca Park Water Supply and Distribution System Specified Area Establishment Bylaw No. 268, 1979", is hereby amended as follows:

(1) By reduce the service area boundaries to exclude the following properties:

PID: 016-383-818

Legal: Parcel 1, DL 913, Reference Plan 91334I, Kootenay Land District

PID: 016-372-514

Legal: Parcel A, DL 913, Reference Plan 50803I (excluding Parcel 1, Reference Plan 91334I), Kootenay Land District

as shown on Schedule 'A' attached hereto and forming part of this bylaw.

2 This Bylaw may be cited as "Sanca Park Water Supply and Distribution System Specified Area Amendment Bylaw No. 2665, 2019."

READ A FIRST TIME this 21st day of March, 2019.

READ A SECOND TIME this 21st day of March, 2019.

READ A THIRD TIME this 14th day of November, 2024.

I hereby certify that this is a true and correct copy of the **“Sanca Park Water Supply and Distribution System Specified Area Amendment Bylaw No, 2665, 2019”** as read a third time by the Regional District of Central Kootenay Board on the _____ day of _____, 2024.

Mike Morrison, Corporate Officer

CONSENTED to on behalf of the Electors in the Sanca Park Specified Area in accordance with the *Local Government Act*.

ADOPTED this _____ day of _____, 2024.

Aimee Watson, Board Chair

Mike Morrison, Corporate Officer



Committee Report

Date of Report: October 10, 2024
Date & Type of Meeting: October 23, 2024 Water Services Committee
Author: Eileen Senyk, Water Services Liaison
Subject: Parcel Tax Bylaw Amendments and Service Establishment Bylaw Amendments
File: 11-5700-20-47
Electoral Area/Municipality Electoral Areas A, D, E, F, H, K

SECTION 1: EXECUTIVE SUMMARY

The purpose of this report is to provide information to the Water Services Committee in preparation for proposed amendments of Parcel/Frontage Tax Bylaws for water systems in Balfour (Area E), Duhamel (Area F), Riondel (Area A), Sanca (Area A), and Woodbury Village (Area D).

Service Establishment Bylaw amendments are also requested for Duhamel, Burton, Woodbury Village, Riondel and Sanca in order to support future increases in taxation.

Service Establishment Bylaws identify the maximum requisition amount that can be collected in the service area. In the case of Sanca and South Slokan (Area H) water service areas, there is currently no upper limit in the Service Establishment Bylaw and pursuant to the Local Government Act these bylaws require an upper limit.

SECTION 2: BACKGROUND/ANALYSIS

The majority of RDCK water services utilize a parcel tax to recover an annual contribution for system asset renewal. In some cases a frontage tax is used for the same purpose. In general, parcel or frontage tax contributions are used to build system-specific capital reserve funds that the RDCK will draw from when a water system requires upgrade or replacement.

Asset Managements Plans (AMPs) have been developed for the infrastructure in all 18 RDCK water systems. Infrastructure includes pipes, pumps, hydrants, equipment, buildings, water treatment facilities and SCADA systems. The AMPs summarize the infrastructure and identify the Annual Contribution for Asset Replacement (ACFAR) for the water system, and present a funding scenario for long-term sustainable renewal of the system. Each AMP provides a financial model and associated asset replacement schedule. Each piece of infrastructure (asset) is itemized along with their specific Estimated Service Life (ESL). In doing so, the replacement timeframe for each asset can be accounted for separately. This approach enables a risk-based approach to determining replacement time frames.

Staff have determined, based on the Asset Management Plans, that several systems are not contributing enough to reserves to cover necessary future capital upgrades. To improve future planning and preparedness, increases in some parcel tax levies are necessary, with the proposed requisition amount increases directly linked to the findings in each respective water system Asset Management Plan.

At this time, staff are recommending that five proposed parcel tax bylaws be amended and further, that Balfour, Duhamel, Burton, Riondel and Woodbury Service Area Establishment Bylaws be amended to increase the permitted annual requisition amount. An amendment is proposed for the Sanca and South Slocan Service Establishment Bylaws in order to define a limit on the requisition amount and thereby bring the bylaws into alignment with the requirements of the Local Government Act.

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

Table 1 summarizes the Annual Contribution for Asset Replacement for the water systems and associated current and proposed parcel of frontage tax amounts considered in this report.

Table 1 – Annual Contributions to Asset Replacement, Projected and Actual

Water System	Annual Contribution for Asset Replacement (ACFAR) 100 year projection	Annual Contribution for Asset Replacement (ACFAR) 25 year projection	Annual Contribution for Asset Replacement (ACFAR) Current	Annual Contribution for Asset Replacement (ACFAR) Draft Proposed over the next 5 years	Existing Maximum Parcel Tax or Frontage Tax	Proposed Maximum Parcel Tax or Frontage Tax
Balfour	\$241,459	\$125,172	\$112,545	\$154,025	\$402/parcel	\$505/parcel
Duhamel	\$68,251	\$89,086	\$25,705	\$37,830	\$313/parcel	\$390/parcel
Burton	\$112,109	\$149,445	\$43,677	\$43,677	\$633/parcel	Proposed amendment only to Service Establishment Bylaw.
Riondel	\$114,744	\$91,715	\$54,991	\$68,750	\$2.99/foot	\$3.72/foot
Sanca	\$24,366	\$12,991	\$15,840	\$24,000	\$600/parcel	\$750/parcel
South Slocan	\$118,088	\$100,957	\$14,330	\$17,875	\$534/692 parcel	Proposed amendment to Service Establishment Bylaw only
Woodbury Village	\$37,279	\$31,579	\$17,466	\$21,875	\$426/parcel	\$532/parcel

Taxation limits can generally only be increased a maximum of 25% every five years without public approval. The proposed taxation bylaw amendments identify potential maximum taxation limits considering the allowable 25% increase. Actual annual taxation amounts are typically planned to be increased over time and require annual Board Financial Plan approvals.

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

The proposed parcel tax increases which are directly tied to the findings of the Asset Management Plans will be included in the Financial Plan.

These amendments are consistent with the RDCK's Regional Water Management Plan, which recommends that the taxation component of each water system's annual cost recoveries are used to maintain an infrastructure renewal fund. In addition, they support the RDCK policy that requires that all water systems be financially self-sustaining.

The Regional District Establishing Bylaw Approval Exemption Regulation defines when increases are allowed without public approval, and when increases require public approval.

Part 11 of the Local Government Act directs that Service Establishment Bylaws must identify the maximum annual requisition amount.

3.3 Environmental Considerations

None anticipated.

3.4 Social Considerations:

While the proposed increases may create some hardship for individuals on a fixed income, qualified BC homeowners may enroll in the BC Property Tax Deferral Program. This low interest loan program helps owners pay their annual property taxes on their principal residence. Eligibility is possible via two different tax deferral programs; one for seniors or people with disabilities, and one for parents or stepparents that are financially supporting a child.

3.5 Economic Considerations:

A source of safe and reliable water from a properly maintained system is essential to the sustainability of the RDCK water services and is required in order to support and secure a stable environment for economic development in these communities.

3.6 Communication Considerations:

The requested amendments have been and will continue to be discussed at Commissions and Community Advisory Committees at annual budget meetings.

3.7 Staffing/Departmental Workplace Considerations:

Upon consent by the Electoral Area Director and approval of the **(name water systems)** Service Establishment Amendment Bylaws, staff will bring forward the associated parcel tax bylaws for formal consideration and approval. This timeline is necessary in order to meet the Parcel Tax deadline.

3.8 Board Strategic Plan/Priorities Considerations:

This project is aligned with the Board’s strategic priority of *Water Protection and Advocacy* and supports the RDCK’s objective to provide sustainable services.

SECTION 4: OPTIONS & PROS / CONS

OPTION 1. That the Board direct staff to prepare amendments to the parcel/frontage tax bylaws for Balfour, Duhamel, Riondel, Sanca, and Woodbury Village and the Service Establishment bylaws for Duhamel, Burton, Woodbury Village, Riondel, Sanca and South Slokan to build system-specific capital reserve funds for system renewal and replacement.

Pros:

- Increasing the parcel tax will enable the services to adequately build their reserve funds over time to fund ongoing long-term asset replacement and renewal.

Cons:

- Increased taxation to residents within the water systems.

OPTION 2. That the Board direct staff to take no further action with respect to parcel tax bylaw amendments and service establishment bylaw amendments.

Pros:

- Taxation rates for current landowners are maintained.

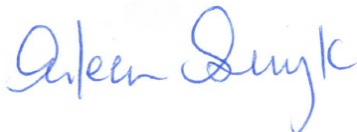
Cons:

- Services will be unable to build reserves in preparation for future capital infrastructure upgrades and the cost and burden of failing water systems will be deferred to future generations.

SECTION 5: RECOMMENDATIONS

That the Board direct staff to prepare amendments to the parcel/frontage tax bylaws for Balfour, Duhamel, Riondel, Sanca, and Woodbury Village and the Service Establishment bylaws for Duhamel, Burton, Woodbury Village, Riondel, Sanca and South Slokan to build system-specific capital reserve funds for system renewal and replacement.

Respectfully submitted,



Eileen Senyk, Water Services Liaison

CONCURRENCE

Manager Utility Services – Chris Gainham – **Digitally Approved By Chris Gainham**



Committee Report

Date of Report: September 25, 2024
Date & Type of Meeting: October 23, 2024, Water Services Committee
Author: Nathalie Nick, Environmental Coordinator – Utility Services
Subject: RDCK WATER SYSTEM ADVISORIES
File: 5700-02-2024
Electoral Area/Municipality All

SECTION 1: EXECUTIVE SUMMARY

The purpose of this report is to summarize the water advisories issued from May 1, 2024 to August 31, 2024 for water systems operated by the Regional District.

SECTION 2: BACKGROUND/ANALYSIS

The two types of water advisories issued and detailed in this report are Water Quality Advisories and Boil Water Notices. On very rare occasion, a Do Not Consume Notice may be issued for a variety of reasons. A Water Quality Advisory alerts water users that water quality is reduced, and those with compromised or sensitive immune systems should boil water prior to consumption. A Boil Water Notice alerts water users that water quality is potentially or currently a health risk, and water must be boiled prior to consumption. A Do Not Consume Notice alerts water users that water quality is potentially or currently a health risk, and water must not be consumed or used for food preparation, but may still be used for bathing.

Notices and advisories detailed in this report are one of three categories: long-term advisories, temporary (current) advisories, and advisories that have been issued and rescinded within the reporting period.

LONG TERM ADVISORIES				
RDCK Water System	Advisory Type	Date of Advisory	Reason for Advisory	Action
Burton	Water Quality Advisory	Jan 12, 2017	Re-occurring presence of E.Coli and Total Coliform	Water Quality Action Plan implemented as per Board Resolution 534/17.
Sanca Park	Boil Water Notice	Jun 2000	Lack of treatment infrastructure	A Risk Management Policy was presented at the Nov 04 2023 Water Services Committee meeting and subsequently adopted by the Board of Directors.
Woodbury Village	Water Quality Advisory	May 29, 2024	Preventative due to occasional occurrence of Total Coliform bacteria	Water treatment plant commissioned and Boil Water Notice downgraded

TEMPORARY ADVISORIES				
RDCK Water System	Advisory Type	Date of Advisory	Reason for Advisory	Action
Balfour	Boil Water/Outage Notice Localized	May 13, 2024	Water main repair	Advisory in place as a precaution until section of main replaced and water quality test results good
Duhamel	Boil Water/Outage Notice Localized	May 17, 2024	Mainline tie-in	Advisory in place as a precaution until water quality test results good
Duhamel	Boil Water Notice Localized	June 12, 2024	Water main repair	Advisory in place until repair completed and water quality test results good
Duhamel	Water Quality Advisory	July 18, 2024	Presence of coliform bacteria	Advisory in place until water quality test results good
Erickson	Boil Water Notice Localized	May 15, 2024	Service repair	Advisory in place as a precaution until service repair complete and water quality test results good
Erickson	Boil Water Notice Localized	May 28, 2024	Service repair	Advisory in place as a precaution until service repair complete and water quality test results good
Erickson	Boil Water Notice Localized	July 4, 2024	Service repair	Advisory in place as a precaution until service repair complete and water quality test results good
Lister	Boil Water Notice Localized	May 1, 2024	Service repair	Advisory in place as a precaution until service repair complete and water quality test results good
Lister	Boil Water Notice Localized	August 14, 2024	Main line tie-in	Advisory in place as a precaution until water quality test results good
Lucas Road	Boil Water Notice	August 12, 2024	Power Outage	Advisory in place as a precaution until water quality test results good
Ymir	Boil Water Notice	May 7, 2024	District Meter Install	Advisory in place as a precaution until water quality test results good

ADVISORIES RESCINDED				
RDCK Water System	Advisory Type	Date of Advisory	Date of Rescind	Reason for Rescind
Balfour	Boil Water/Outage Notice Localized	May 13, 2024	May 17, 2024	Water main was repaired *
Duhamel	Boil Water Notice All System and Localized	April 29, 2024 and May 17, 2024	June 7, 2024	Water main replacement and repairs complete*
Duhamel	Boil Water Notice Localized	June 12, 2024	August 12, 2024	Water quality test results good
Duhamel	Water Quality Advisory	July 18, 2024	August 12, 2024	Water quality test results good
Erickson	Boil Water Notice Localized	May 15, 2024	June 3, 2024	Service repair complete*
Erickson	Boil Water Notice Localized	May 28, 2024	June 3, 2024	Service repair complete*
Erickson	Boil Water Notice Localized	July 4, 2024	July 12, 2024	Service repair complete*
Lister	Boil Water Notice Localized	May 1, 2024	May 14, 2024	Service repair complete*
Lister	Boil Water Notice Localized	August 14, 2024	August 30, 2024	Main line tie in complete*
Lucas Road	Boil Water Notice	August 12, 2024	August 14, 2024	Water quality test results good
Woodbury Village	Boil Water Notice	October 5, 2028	May 29, 2024	Boil Water Notice downgraded to a water quality advisory after water treatment plant commissioning
Ymir	Boil Water Notice	May 7, 2024	May 1, 2024	Meter install complete*

*Notice/advisory issued as a precautionary measure and will be/was rescinded after two consecutive water quality tests indicated that water quality is/was good in the water system.

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

N/A

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

Under the BC Ministry of Health and as a requirement for Interior Health operating permits, water quality must be monitored and reported to Health Authorities and the water user community.

3.3 Environmental Considerations

N/A

3.4 Social Considerations:

Safe drinking water is integral to public health and well-being, and effectively communicated water quality notifications that outline potential health risks offers security to water users within RDCK water systems.

3.5 Economic Considerations:

N/A

3.6 Communication Considerations:

When a water system advisory is issued, and depending on the level of health risk, community residents are notified via:

- Media Release platforms (Facebook, RDCK website, etc.)
- Voyent Notifications via text, email, and/or phone call
- Door Tags
- Sandwich board signs

3.7 Staffing/Departmental Workplace Considerations:

N/A

3.8 Board Strategic Plan/Priorities Considerations:

Staff are committed to the ongoing safe and sustainable provision of drinking water within the District's 19 water systems. This is aligned with the overarching strategic priority *'to excel in Governance and Service Delivery.'*

Via a robust notification system, we remain committed to being innovative and offering multiple channels of information so residents can get access to water quality information in a timely fashion.

SECTION 4: OPTIONS & PROS / CONS

N/A

SECTION 5: RECOMMENDATIONS

None, this is for information purposes only.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'N. Nick', enclosed within a circular scribble.

Nathalie Nick, Environmental Coordinator – Utility Services

CONCURRENCE

Water Operations Manager – Alex Divlakovski

ATTACHMENTS: NONE



Committee Report

Date of Report: October 17, 2024
Date & Type of Meeting: October 23, 2024, Water Services Committee
Author: Alexandra Divlakovski, Water Operations Manager
Subject: OPERATIONS MAINTENANCE AND CAPITAL UPDATE
File: 11-5700-01-2024
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 2024.

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.

Abbreviations:

HMI – Human Machine Interface
MIT – Membrane Integrity Testing
PLC – Programmable Logic Controllers
SCADA – Supervisory Control And Data Acquisition
SRoW – Statutory Right-of-Way
WTP – Water Treatment Plant

WATER EAST

Arrow Creek

Operations and Maintenance

- Membrane Filter Trains 1, 2 & 4 are currently not passing MITs. Train 3 fibre repairs have been completed as it contains the oldest membranes (at 10 years old). More trouble shooting of the cassette piping leakage is required before MITs pass and it is put back into production.
- Identified a crack in the flange of the back pulse tank and have leakage at the PVC joints due to the back pulse valve causing the header to shudder when the valve closes under high flow pressures (now under low flow conditions). Comfort Welding has installed extra bracing and containment of the header.
- Replaced out-of-date fire extinguishers and batteries in the door entry safety lights.
- Replaced leaking piping from the chlorine bulk tank pump to the chlorine day tank used for membrane clean.
- Annual furnace, heaters and roof air exchange units to be inspected and maintenance done by All Elements.

- WTP Road from front gate to creek intake diversion will have gravel added to thin or muddy (organics) areas, and graded.

Capital

- An interim report has been issued by Associated Engineering for the alternate filtration feasibility study, which has been presented to the Arrow Creek Commission for review and scope change to include non-membrane filtration options.
- New UV Reactors #1 and #2 have been commissioned, controls scaled and graphics updated in local SCADA. Both units are on line.

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

- Repaired or replaced several old gate service valves

Capital

- All 146 water meters, 146 Endpoints and the 15 - ¾" tandem meter pits required for the Phase 1 metering program have been received and are in storage. The remaining 131 meter pits will be delivered by the first week of November.
- The SRoW's have been received from the 2 properties for the project for replacing line PN95 along Erickson Road. Awaiting consultants tender documents to proceed with RFP.

Ongoing Considerations

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

Lister

Operations and Maintenance

- Nothing significant for reporting period

Capital

- The hook up of power and automatic transfer switch to the generator and gas line from the propane tank to the generator has been completed. Commissioning to be completed by the end of the month.
- Construction on replacement of water main PN13 along Crestview Road has been completed.
- Replacement of 50mm water main PN27 at 14th St and Hagey Rd has been completed and a standpipe for flushing installed as well.
- Installation of new 15HP, 3 phase Variable Frequency Drive (VFD) well motor and pump.

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

- Residential complaint of storm sewer grate being too high and run off going into driveway rather than the storm sewer, corrective actions are being explored.
- Service line on Russel Ave leaking under the road, line replaced from main to curb stop.

Capital

- The hook up of power and automatic transfer switch to the generator and gas line from the propane tank to the generator has been completed. Commissioning to be completed by the end of the month.
- Reservoir isolation and drain valves replaced, also old metal and wood stave pipe replaced with new PVC.
- Post-reservoir flow meter installed.

Ongoing Considerations

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

- New Boil Water Notice sign for entrance to water system is installed.

Capital

- No capital projects completed in the reporting period.

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

- Lake intake screen replaced by diving team, additional work required to secure intake line.

Capital

- Licenses for secondary water source (groundwater wells) have been issued.

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 system leakage that requires location and repair work.

Burton

Operations and Maintenance

- New roof on pump house installed.
- Biannual chlorination of water system implemented.

- SmartHub for internet/pump house communications has been installed, awaiting set-up instructions from IT.

Capital

- Well rehabilitation and pump replacement completed.
- Consultant selected for water main replacement design planned for 2025/2026.

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

- One significant service leak identified, customer notified and leak repaired.

Capital

- No capital projects work completed in the reporting period.

Ongoing Considerations

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

Edgewood

Operations and Maintenance

- Nothing significant for reporting period.

Capital

- Generator installed for back-up power, awaiting commissioning.

Ongoing Considerations

Old well abandonment or usage conversion to fire protection completed.

Fauquier

Operations and Maintenance

- Nothing significant in the reporting period.

Capital

- No capital projects work completed in the reporting period.

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

- Extended power outage impacting lake pumps required emergency water restrictions while pole replaced for 3-phase power.

Capital

- No capital projects work completed in the reporting period.

Ongoing Considerations

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

Rosebery

Operations and Maintenance

- Nothing significant in the reporting period.

Capital

- No capital 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

- Two breaks in 3-inch cast iron line to raw water reservoir located and repaired, Stage 3 water conservation measures issued and rescinded.
- Increased filter consumption over same period from past two years.

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

- Nothing significant in the reporting period.

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

- Boil Water Notice downgraded to Water Quality Advisory.

Capital

- New treatment components have been installed and have been commissioned, collecting data for IH commissioning report to rescind Water Quality Advisory.

Ongoing Considerations

Community members wish to have non-(FUS) rated fire hydrants installed for increased capability of fire departments to fight fires in this remote location.

West Robson

Operations and Maintenance

- Biannual flushing and valve exercising completed.

Capital

- Revised scope for water main replacement project.

Ongoing Considerations

Asbestos cement pipe in the distribution system requires replacement.

Ymir

Operations and Maintenance

- Temporary overland service to resident replaced with permanent connection.

Capital

- Reservoir outflow meter replaced.

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

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

SECTION 4: OPTIONS & PROS / CONS

None.

SECTION 5: RECOMMENDATIONS

None. For information only.



Respectfully submitted,

Alexandra Divlakovski, Water Operations Manager

CONCURRENCE

ATTACHMENTS: NONE



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 1:00pm PST on Friday, September 13, 2025 through a hybrid model.

COMMITTEE MEMBERS PRESENT

Commissioner/Committee Member Gerald Panio

Commissioner/Committee Member Lawrence Elgert

Regrets - Commissioner/Committee Members - Sylvia Horwood and Andrew Cop

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

STAFF

Uli Wolf, GM – Environmental Services

Alex Divlakovski, Water Operations Manager

Chris Gainham, Utility Services Manager

Allan Richardson, Water Operations Supervisor

1. WELCOME AND INTRODUCTIONS

2. STAFF REPORTS

2.1 July 2024 Service Statement - S241 Riondel Water Utility

Action item: email service statements to CAC members with updated salaries for Q2/Q3, when available

2.2 July 2024 Service Statement – S165 Riondel Drainage Utility

2.3 Servicing – Ainsworth Avenue (east side) – Options for project delivery and funding

Action item: RDCK to schedule meeting with Kaslo Infonet Society regarding fiber installation as-builts

Action Item Follow-up – An email to Kaslo Infonet requesting As-Built drawings upon project completion was sent.

Action item: Staff will be provided direction on project funding after Riondel Commission meeting discussion.

- 2.4 Capital Works Update – Generator, Riondel Valve Chamber and Meter Project, Storm Main and CB’s
- 2.5 Water System Operations and Maintenance Update
- 2.6 Drainage System – Ownership of Infrastructure and Progress on Draft MoTI Permit

Action item: send CAC Highland Consulting Ltd. Riondel drainage assessment report

Action item: coordinate with MoTI to issue permit outlining MoTI responsibility for culverts #1/#2/#5/#6 and unnumbered culvert on Golf View Rd., and outlining RDCK responsibility for culverts #3/#4/#8.

Action item: staff to include LIDAR contours on storm water drainage map from Highland Consulting Ltd. Riondel drainage assessment report and forward to CAC.

Action Item Follow-up - Staff have reached out to Highland Consulting Engineers requesting CAD drawings of the mapped Riondel drainage system necessary to overlay RDCK LIDAR.

- 2.7 Riondel Golf Club - Water Bill and Late Payment

Action item: staff to waive late payment charge

Action Item Follow-up – Staff have submitted a Cheque Request via RDCK Finance Department for the reimbursement of the \$1,651.00 late payment fee to the Riondel Golf Course.

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

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.