



Making a difference...together

SAANICH PENINSULA WATER COMMISSION

Notice of Meeting on **Thursday, January 21, 2021 at 9:30 a.m.**

Meeting Room #6 Greenglade Community Centre, 2151 Lannon Way, Sidney BC

For members of the public who wish to listen to the meeting via telephone please call 1-833-353-8610 and enter the Participant Code 1911461 followed by #. You will not be heard in the meeting room but will be able to listen to the proceedings.

R. Barnhart	D. Kelbert	R. Windsor	M. Underwood
M. Doehnel	Z. King	G. Orr	(Sidney – Vacant)
S. Duncan	C. McNeil-Smith	M. Weisenberger	

AGENDA

1. TERRITORIAL ACKNOWLEDGEMENT

2. CALL TO ORDER

By Ted Robbins, General Manager, Integrated Water Services

3. ELECTION OF CHAIR

(Pursuant to Section 9(2) Letters Patent)

Election conducted by General Manager with assistance from Integrated Water Services Administrative Coordinator

4. ELECTION OF VICE CHAIR

(Pursuant to Section 9(2) Letters Patent)

Election conducted by newly elected Chair with assistance from Integrated Water Services Administrative Coordinator

5. APPROVAL OF AGENDA

6. APPROVAL OF RESOLUTION FOR 2021

Recommendation: *That the Saanich Peninsula Water Commission adopt the resolution as presented.*

- That this resolution applies to the Saanich Peninsula Water Commission for the meetings being held between January 1, 2021 and December 31, 2021.*
- That the attendance of the public at the place of the meeting cannot be accommodated in accordance with the applicable requirements or recommendations under the Public Health Act, despite the best efforts of the Saanich Peninsula Water Commission, because:*
 - The available meeting facilities cannot accommodate more than (8) people in person, including members of the Saanich Peninsula Water Commission and staff, and*
 - There are no other facilities presently available that will allow physical attendance of the Saanich Peninsula Water Commission and the public in sufficient numbers; and*
- That the Saanich Peninsula Water Commission is ensuring openness, transparency, accessibility and accountability in respect of the open meeting by the following means:*

To ensure a quorum, advise Denise at 250.360.3087 if you or your alternate cannot attend.

- a. By allowing the public to hear or participate via teleconference or electronic meeting software,
- b. By providing notice of the meeting in newspaper or local notice Board, including the methods for providing written or electronic submissions,
- c. By making the meeting agenda, as well as the other relevant documents, available on the CRD website, and directing interested persons to the website by means of the notices provided in respect of the meeting,
- d. By strongly encouraging the provision of, and subsequently receiving and distributing to members, written correspondence from the public in advance of the meeting, and
- e. By making the minutes of the meeting available on the CRD website following the meeting.

7. ADOPTION OF MINUTES1

Recommendation: That the minutes of the October 15, 2020 meeting be adopted.

8. CHAIR'S REMARKS

9. PRESENTATIONS/DELEGATIONS

Presentations and delegations requests can be made online [here](#), a printable form is also available. Requests must be received no later than 4:30 p.m. two calendar days prior to the meeting.

10. COMMISSION BUSINESS

10.1. Saanich Peninsula Water Service 2021 Budget Amendment4

Recommendation: The Saanich Peninsula Water Commission recommends to the Capital Regional District Board:

That the provisionally approved Saanich Peninsula Water Service 2021-2025 capital plan and budget be amended in accordance with the revised plan and budget for Project No. 21-05 as presented.

10.2. Appointment of Representative to the Water Advisory Committee for the 2021 term

Recommendation: That the Vice Chair of the Saanich Peninsula Water Commission represent the Commission on the Water Advisory Committee for 2021.

10.3. Summary of Recommendations from Other Water Commissions9

Recommendation: That the Summary of Recommendations from other water commissions be received for information.

10.4. Water Watch Report13

Recommendation: That the January 11, 2021 Water Watch Report be received for information.

11. NEW BUSINESS

12. ADJOURNMENT

Next Meeting: Thursday, March 18, 2021



Making a difference...together

MINUTES OF A MEETING OF THE SAANICH PENINSULA WATER COMMISSION
Held Thursday, October 15, 2020 in Meeting Room #6 at Greenglade Community Centre,
2151 Lannon Way, Sidney BC

PRESENT: **Commissioners:** P. Wainwright (Chair); R. Barnhart (Vice Chair); M. Doehnel;
B. Fallot for C. McNeil-Smith; G. Orr; M. Williams
By WebEx: D. Kelbert

Staff: R. Lapham, CAO; T. Robbins, General Manager, Integrated Water Services;
I. Jesney, Senior Manager, Infrastructure Engineering; S. Irg, Senior Manager,
Water Infrastructure Operations; G. Harris, Senior Manager, Environmental
Protection; G. Gullekson, Senior Financial Advisor; D. Dionne (recorder)

REGRETS: Z. King; M. Weisenberger; R. Windsor

The meeting was called to order at 9:00 a.m.

1. TERRITORIAL ACKNOWLEDGEMENT

Chair Wainwright provided the territorial acknowledgement.

2. APPROVAL OF AGENDA

MOVED by Commissioner Orr, **SECONDED** by Commissioner Barnhart,
That the Agenda be approved as circulated.

CARRIED

3. ADOPTION OF MINUTES

MOVED by Commissioner Barnhart, **SECONDED** by Commissioner Orr,
That the minutes of the July 16, 2020 meeting be adopted.

CARRIED

4. CHAIR'S REMARKS

Chair Wainwright spoke to Item 7 on the agenda and advised that member-at-large appointments are coming up for renewal and stated that applications should be forwarded to the municipalities.

5. PRESENTATIONS/DELEGATIONS

There were no presentations or delegations.

6. COMMISSION BUSINESS

T. Robbins introduced staff in the room.

6.1. 2019-2022 Water Service Planning

T. Robbins provided an overview of Integrated Water Services initiatives undertaken in 2020 and planned for 2021 to deliver on approved Capital Regional District (CRD) Board Priorities and the Corporate Plan.

Staff responded to questions from the Commission regarding:

- Core service levels that tie into the Budget
- Impacts on the back end of service delivery (IT, Finance)
- Impacts on efficiencies
- How the Community Need Summary ensures the Commission's message gets back to the CRD Board

MOVED by Commissioner Orr, **SECONDED** by Commissioner Williams,
The Saanich Peninsula Water Commission recommends to the Capital Regional District Board:

That Appendix A Community Need Summary – Water be approved as presented and advanced to the October 28, 2020 Provisional budget review process.

CARRIED

6.2. Saanich Peninsula Water Service - 2021 Operating and Capital Budget

T. Robbins summarized the report and outlined the budget process. He stated that the budget is generally on track and advised that staff are reviewing some anomalies related to longer operation of pumps at Deep Cove and Hamsterly and whether this was a result of people being at home due to COVID-19.

He advised that there has been no announcements yet on the grant application for the Federal Infrastructure and Disaster Mitigation and Adaptation Fund which was submitted to replace most of the concrete sections of the No. 4 Transmission Main.

Discussion ensued and staff responded to questions from the Commission regarding:

- The financial implications related to the Development Cost Charges Fund if the Grant application is not approved
- The effects of COVID-19 on water demand
- Reservoir storage level trends
- Municipal water distribution data
- The expected increase in demand due to offices opening back up downtown, and that there is information regarding unoccupied buildings and what to do about stagnant water available on the CRD's website
- The completion timeline for the seismic isolation valves capital project
- Post-disaster emergency water supply
- Agricultural water demand

MOVED by Commissioner Orr, **SECONDED** by Commissioner Williams,
The Saanich Peninsula Water Commission recommends that the Capital Regional District Board:

1. Approve the 2021 operating and capital budget;

2. Approve the 2021 Saanich Peninsula bulk water rate of \$1.0536 per cubic metre, and the Agricultural Research Station water rate of \$1.0888 per cubic metre, adjusted if necessary by any changes in the CRD Regional Water Supply wholesale water rate;
3. Direct staff to balance the 2020 actual revenue and expense on the transfer to capital reserve fund; and
4. Direct staff to amend the Bulk Water Rates Bylaw accordingly.

CARRIED

6.3. Summary of Recommendations from Other Water Commissions

MOVED by Commissioner Orr, **SECONDED** by Commissioner Barnhart,
That the Summary of Recommendations from other water commissions be received for information.

CARRIED

6.4. Water Watch Report

MOVED by Commissioner Barnhart, **SECONDED** by Commissioner Williams,
That the October 5, 2020 Water Watch Report be received for information.

CARRIED

7. SAANICH PENINSULA WATER COMMISSION APPOINTMENT LETTERS EXPIRING TERMS – DECEMBER 31, 2020

Discussed under Chairs Remarks.

8. NEW BUSINESS

There was no new business.

9. ADJOURNMENT

MOVED by Commissioner Orr, **SECONDED** by Commissioner Doehnel,
That the meeting be adjourned at 9:53 a.m.

CARRIED

CHAIR

SECRETARY

**REPORT TO SAANICH PENINSULA WATER COMMISSION
MEETING OF THURSDAY, JANUARY 21, 2021**

SUBJECT Saanich Peninsula Water Service 2021 Budget Amendment

ISSUE SUMMARY

The 2021-2025 capital plan and budget require amendment as a result of recent confirmation that the Regional Water Transmission Main No. 4 and Saanich Peninsula Water Supply upgrade project was not selected for federal funding.

BACKGROUND

As the Saanich Peninsula Water Commission (Commission) is aware, in July 2020, the Capital Regional District (CRD) submitted a grant application under Canada's Disaster Mitigation and Adaptation Fund (DMAF) program. The application was to complete a seismic resiliency upgrade to the Regional Water Transmission Main No. 4 and portions of the Saanich Peninsula Water Supply System. The scope of the project included replacing vulnerable sections of reinforced concrete cylinder and asbestos cement pipe, constructing supply system interconnections to provide redundancy and constructing direct bulk water connections to three First Nations Reserves.

The total project budget was set at \$87 million, and was to be cost-shared between the Regional Water Supply Service and the Saanich Peninsula Water Service. The grant eligible costs were estimated at \$36.9 million. The project was included in both the Regional Water and Saanich Peninsula Water 2021-2025 capital plan and budgets which received provisional approval by the Commissions and the CRD Board in the fall of 2020. Since then, the CRD has been advised by Infrastructure Canada that the project was not selected for federal funding as part of the summer 2020 program intake. Staff are proposing to revise the scope of the project and the budget, to undertake the highest priority work, funded through the capital reserve funds and planned financing (subject to the successful completion of the loan authorization processes and bylaw adoption). The revised total project budget has been set at \$50.1 million. The following tables summarize the provisional and revised project plans and budgets.

Saanich Peninsula Water Service – Provisional project plan (October 2020)

Proj. No.	Capital Project Title	Total Proj Budget	Funding Source	C/F from 2020	2021	2022	2023	2024	2025	5-Year Total
21-05	SPW System Upgrade and Expansion	\$14,700,000	Res	\$0	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000
21-05	SPW System Upgrade and Expansion		Debt	\$0	\$0	\$2,550,000	\$5,550,000	\$4,500,000	\$300,000	\$12,900,000
21-05	SPW System Upgrade and Expansion	\$13,300,000	Grant	\$0	\$1,200,000	\$3,450,000	\$5,450,000	\$3,000,000	\$200,000	\$13,300,000

Saanich Peninsula Water Service – Revised project plan (January 2021)

Proj. No.	Capital Project Title	Total Proj Budget	Funding Source	C/F from 2020	2021	2022	2023	2024	2025	5-Year Total
21-05	SPW System Upgrade	\$14,700,000	Res	\$0	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000
21-05	SPW System Upgrade		Debt	\$0	\$0	\$2,550,000	\$5,550,000	\$4,500,000	\$300,000	\$12,900,000

Saanich Peninsula Water Commission – January 21, 2021
Saanich Peninsula Water Service 2021 Budget Amendment

Regional Water Supply Service – Provisional project plan (October 2020)

Proj. No.	Capital Project Title	Total Proj Budget	Funding Source	C/F from 2020	2021	2022	2023	2024	2025	5-Year Total
21-11	RWS Supply Main No. 4 Upgrade	\$35,400,000	WU	\$0	\$1,800,000	\$7,800,000	\$11,400,000	\$13,500,000	\$900,000	\$35,400,000
21-11	RWS Supply Main No. 4 Upgrade	\$23,600,000	Grant	\$0	\$1,200,000	\$5,200,000	\$7,600,000	\$9,000,000	\$600,000	\$23,600,000

Regional Water Supply Service – Revised project plan (January 2021)

Proj. No.	Capital Project Title	Total Project Budget	Funding Source	C/F from 2020	2021	2022	2023	2024	2025	5-Year Total
21-11	RWS Supply Main No. 4 Upgrade	\$3,300,000	WU/Reserves	\$0	\$1,800,000	\$0	\$0	\$2,400,000	\$900,000	\$3,300,000
21-11	RWS Supply Main No. 4 Upgrade	\$32,100,000	Debt	\$0	\$1,800,000	\$7,800,000	\$11,400,000	\$11,100,000	\$0	\$32,100,000

The revised scope is summarized on the attached drawings (Appendix A) and includes the following:

1. Complete preliminary and detailed designs for all segments in 2021 (design and construction budget estimates for the four segments are noted below):
 - a. Regional Water:
 - i. No. 4 Main (Goldstream/Station) – budget estimate is \$21,975,000
 - ii. No. 1 Main (Humpback/Watkiss/PRV Stations) – budget estimate is \$13,425,000
 - b. Saanich Peninsula Water:
 - i. Bear Hill Interconnect (East Saanich) – budget estimate is \$14,200,000
 - ii. North Saanich/Sidney Supply (Willingdon) – budget estimate is \$500,000
2. Construct Regional Water Service segments between 2022-2025
3. Construct Saanich Peninsula Water Service segments between 2022-2025

ALTERNATIVES

Alternative 1

The Saanich Peninsula Water Commission recommends to the Capital Regional District Board:

That the provisionally approved Saanich Peninsula Water Service 2021-2025 capital plan and budget be amended in accordance with the revised plan and budget for Project No. 21-05 as presented.

Alternative 2

The Saanich Peninsula Water Commission recommends to the Capital Regional District Board:

That staff be directed to revise the 2021-2025 capital plan and budget as directed by the Commission.

IMPLICATIONS

Without completing all of the original scope of work proposed in the grant application, some vulnerable sections of pipe will remain in service. Staff will include the outstanding scope of work not included in the 2021-2025 capital plan, in the 2026-2030 capital plan. Staff will also monitor future intake opportunities under the DMAF and other senior government funding programs. Completing the detailed design for most of the original scope will result in 'shovel-ready' projects which could position them better for future grant opportunities and allow the CRD to secure future pipe alignments with the various municipalities.

Saanich Peninsula Water Commission – January 21, 2021
Saanich Peninsula Water Service 2021 Budget Amendment

The Regional Water Supply Service portion of the project that will be financed falls within the \$46 million loan authorization bylaw recommended by the Commission as part of the 2021 provisional budget approval. The Saanich Peninsula Water Commission will have to consider a loan authorization bylaw to enable financing the service's portion of the project.

CONCLUSION

The 2021-2025 capital plan and budget require amendment as a result of recent confirmation that the Regional Water Transmission Main No. 4 and Saanich Peninsula Water Supply upgrade project was not selected for federal funding. Staff are proposing to revise the scope of the project and the budget, to undertake the highest priority work, funded through the capital reserve funds and planned financing (subject to the successful completion of the loan authorization processes and bylaw adoption). The revised total project budget has been set at \$50.1 million. The outstanding scope of work not included in the 2021-2025 capital plan, will be included in the 2026-2030 capital plan.

RECOMMENDATION

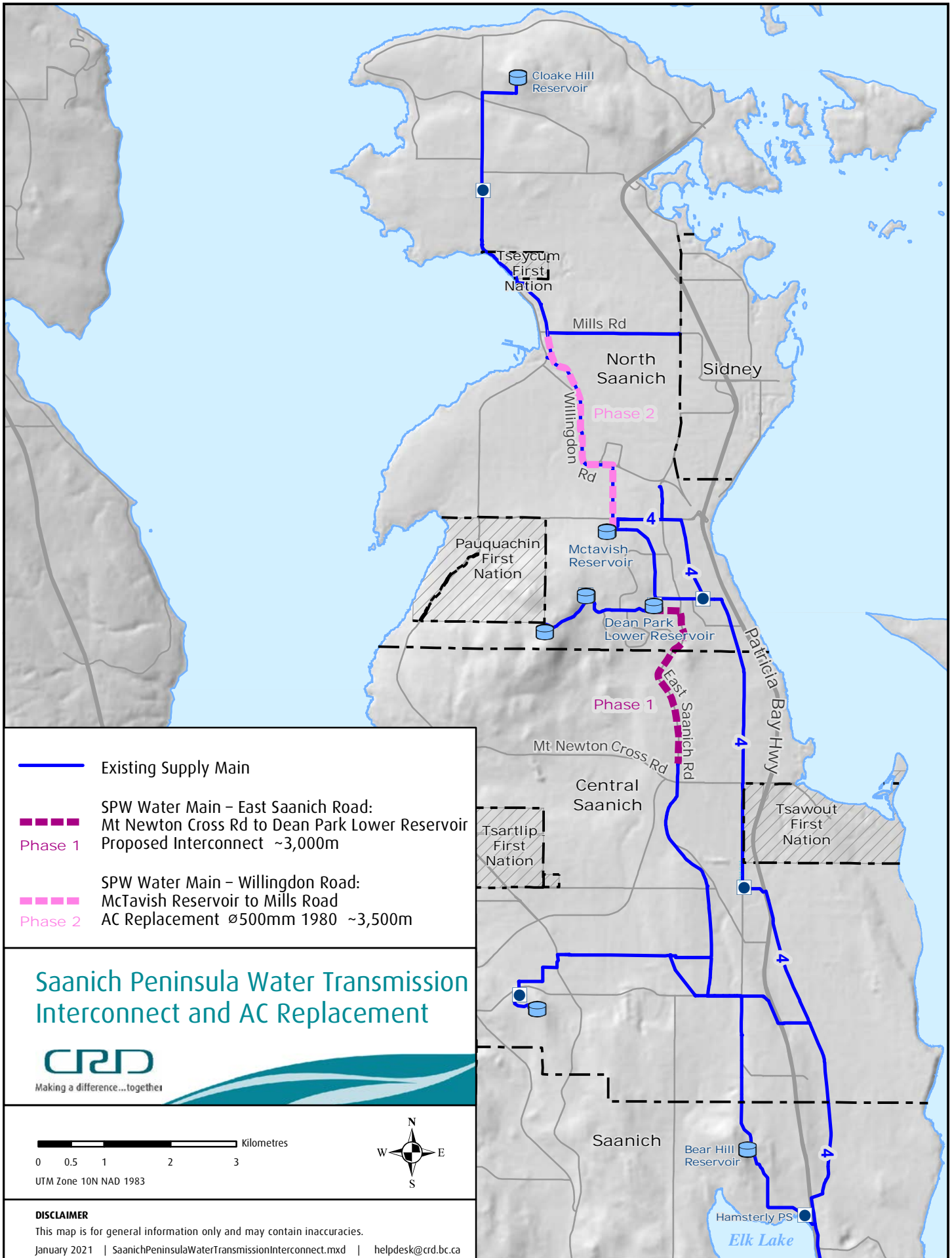
The Saanich Peninsula Water Commission recommends to the Capital Regional District Board:

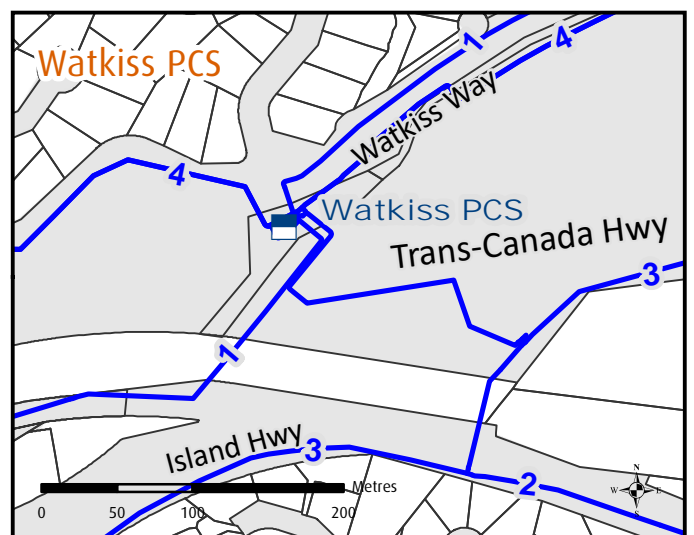
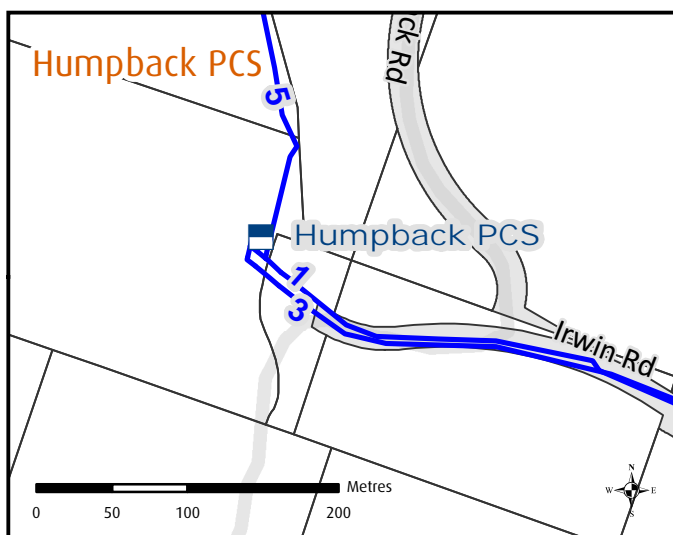
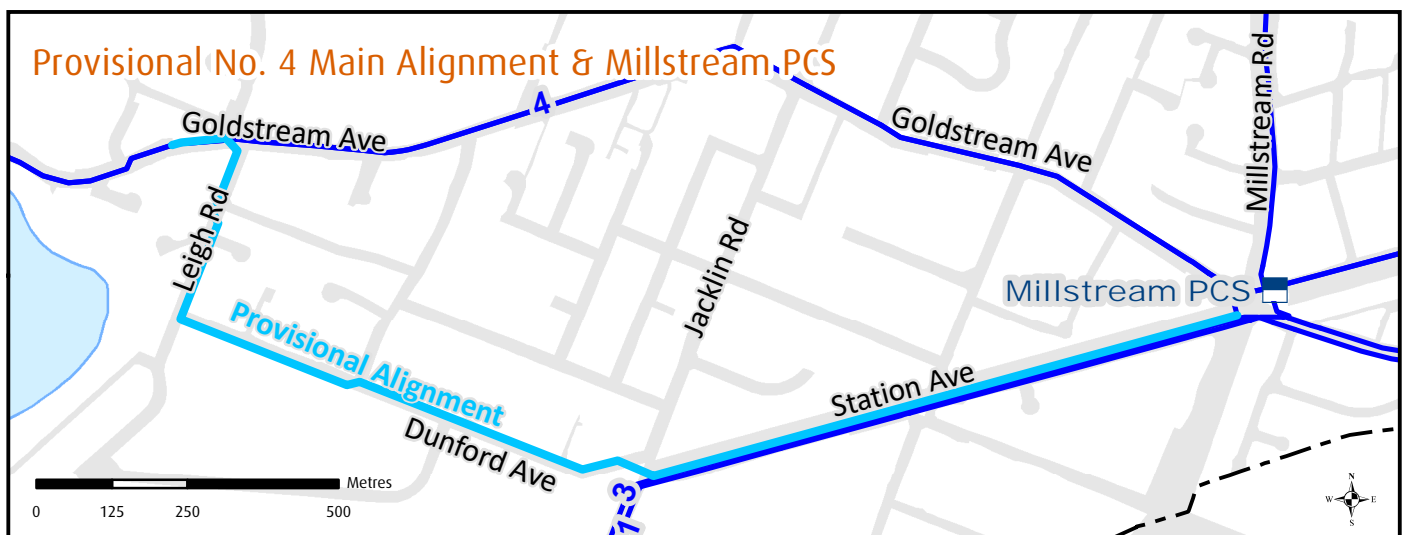
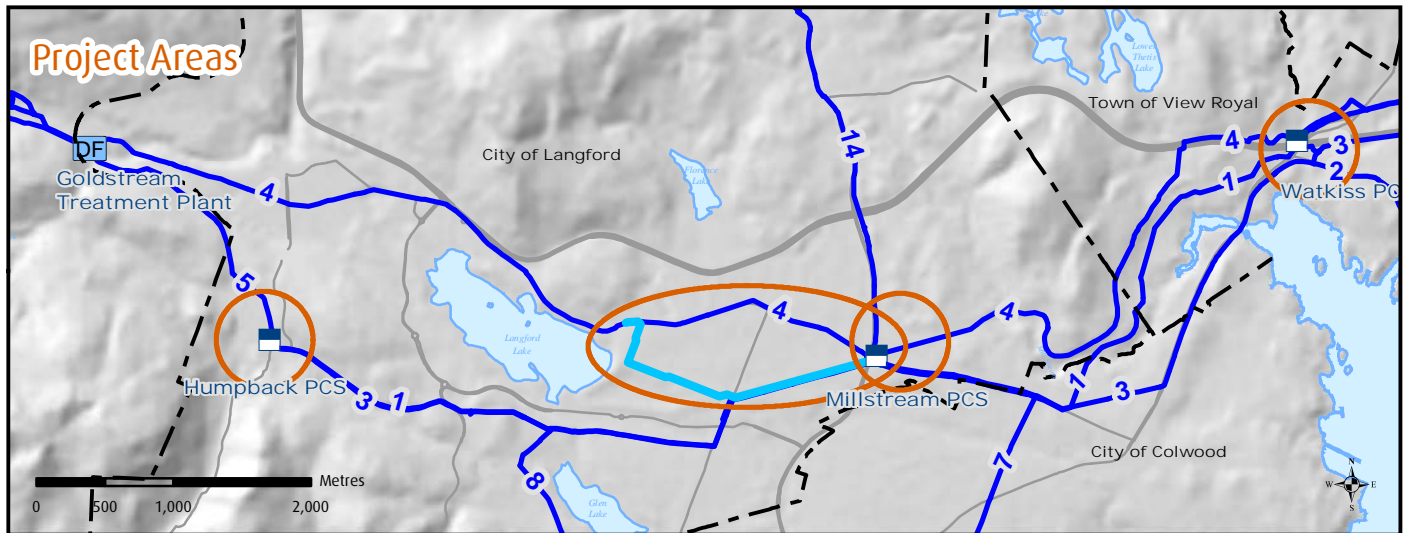
That the provisionally approved Saanich Peninsula Water Service 2021-2025 capital plan and budget be amended in accordance with the revised plan and budget for Project No. 21-05 as presented.

Submitted by:	Ted Robbins, B. Sc., C. Tech., General Manager, Integrated Water Services
Concurrence:	Nelson Chan, MBA, FCPA, FCMA, Chief Financial Officer
Concurrence:	Robert Lapham, MCIP, RPP, Chief Administrative Officer

ATTACHMENT

Appendix A: Project segment drawings





Regional Water Main Replacement and Upgrade

CRD
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DISCLAIMER

This map is for general information only and may contain inaccuracies.
January 2021 | RegionalWaterMainReplacementUpgrade.mxd | helpdesk@crd.bc.ca



REGIONAL WATER SUPPLY COMMISSION
Wednesday, November 25, 2020 at 11:30 AM

MEETING HOTSHEET
(ACTION LIST)

The following is a quick snapshot of the FINAL Regional Water Supply Commission decisions made at the meeting. The minutes will represent the official record of the meeting.

3. ADOPTION OF MINUTES

That the minutes of the October 21, 2020 meeting be adopted.

CARRIED

4. REPORT OF THE CHAIR

5. GENERAL MANAGER'S REPORT

5.1. Water Supply Outlook

5.2. Tap Sampling Program Update

5.3. Commercial Faucet Aerator Replacement Program

5.4. 2021 Commission Chair/Vice Chair Elections

That the verbal updates be received for information.

CARRIED

8. COMMISSION BUSINESS

8.1. EEP 20-50 Water Quality Summary Report for Greater Victoria Drinking Water System – December 2019 to May 2020

That the Regional Water Supply Commission receive the Water Quality Summary Report for the Greater Victoria Drinking Water System - December 2019 to May 2020 for information.

CARRIED

8.2. Water Advisory Committee Membership

That the Regional Water Supply Commission strike a Nominating Committee consisting of the Commission Chair or Chair's delegate, the Vice Chair, the Juan de Fuca Water Distribution Commission delegate and the Saanich Peninsula Water Commission delegate, to review the applications and that the Subcommittee report back to the Commission, providing its recommendations for appointment.

CARRIED

8.3. Recommendations from Other Water Commissions

That the Summary of Recommendations from Other Water Commissions be received for information.

CARRIED

8.4. Water Watch Report

That the November 20, 2020 Water Watch report be received for information.

CARRIED

9. CORRESPONDENCE

9.1. BC Wildfire Services, September 23, 2020

That the correspondence be received for information.

CARRIED

11. MOTION TO CLOSE THE MEETING

In accordance with the Community Charter, Part 4, Division 3, 90(1)(e) the acquisition, disposition or expropriation of land or improvements.

CARRIED

12. RISE AND REPORT

The Commission rose from its closed session without report.



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CAPITAL REGIONAL DISTRICT REGIONAL WATER SUPPLY COMMISSION
Wednesday, October 21, 2020 at 11:30 AM

MEETING HOTSHEET
(ACTION LIST)

The following is a quick snapshot of the FINAL Regional Water Supply Commission decisions made at the meeting. The minutes will represent the official record of the meeting.

2. APPROVAL OF AGENDA

That the agenda be approved.

CARRIED

3. ADOPTION OF MINUTES

That the minutes of the September 16, 2020 meeting be adopted.

CARRIED

7. COMMISSION BUSINESS

7.1. Regional Water Supply Strategic Plan - 2020 Progress Report

Recommendation: That the Regional Water Supply Commission recommends to the Capital Regional District Board:

That the Regional Water Supply Strategic Plan - 2020 Progress Report be received for information and that the strategic priorities and actions planned in 2021-2022 that deliver on the Plan be confirmed.
 (NWA)

CARRIED

MOTION ARISING

That any movement toward a filtration program be based on sound health guidelines and demonstrable health benefits.

DEFEATED

7.2. 2019 - 2022 Service Planning - Water

Recommendation: That Appendix A Community Need Summary - Water be approved as presented and advanced to the October 28, 2020 Provisional budget review process.

CARRIED

7.3. Regional Water Supply Service - 2021 Operating and Capital Budget

Recommendation: That the Regional Water Supply Commission recommends that the Capital Regional District Board:

1. Approve the 2021 Operating and Capital Budget and the Five Year Capital Plan;
2. Approve the 2021 wholesale water rate of \$0.7148 per cubic metre;
3. Approve the 2021 agricultural water rate of \$0.2105 per cubic metre;
4. Direct staff to balance the 2020 actual revenue and expense on the transfer to the water capital fund; and
5. Direct staff to amend the Water Rates Bylaw accordingly.

CARRIED

MOTION ARISING:

That the Agricultural Water Rates Study be removed from the 2021 Operating and Capital Budget.

DEFEATED

MOTION ARISING

That the Commission review the Terms of Reference for the Agricultural Water Rates Study prior to the issuance of the Request for Proposal.

CARRIED

7.4. Bylaw 4382: Regional Water Supply Water Works Facilities Loan Authorization Bylaw

Recommendation: The Regional Water Supply Commission recommends to the Capital Regional District Board:

1. That Bylaw No. 4382 cited as "Regional Water Supply Water Works Facilities Loan Authorization Bylaw No. 5, 2020" be introduced and read a first, second and third time; and
2. That Bylaw No. 4382 be referred to the Inspector of Municipalities for approval, and if received, to proceed with elector approval by way of regional alternative approval process.

CARRIED

MOTION ARISING

That the Regional Water Supply Commission defer the remaining agenda items on the open and closed agendas to a future meeting.

CARRIED

CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES

Water Watch

Issued January 11, 2021

Water Supply System Summary:

1. Useable Volume in Storage:

Reservoir	January 31 5 Year Ave		January 31/20		January 10/21		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	92,727	20,400	92,727	20,400	92,727	20,400	100.0%
Goldstream	8,181	1,800	8,272	1,820	9,199	2,024	92.8%
Total	100,908	22,200	100,999	22,220	101,926	22,424	99.4%

2. Average Daily Demand:

For the month of January	101.5 MLD	22.32 MIGD
For week ending January 10, 2021	102.7 MLD	22.59 MIGD
Max. day January 2021, to date:	104.1 MLD	22.90 MIGD

3. Average 5 Year Daily Demand for January

Average (2016 - 2020)	97.6 MLD ¹	21.48 MIGD ²
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¹MLD = Million Litres Per Day ²MIGD = Million Imperial Gallons Per Day

4. Rainfall January:

Average (1914 - 2020):	274.5 mm
Actual Rainfall to Date	164.3 mm (60% of monthly average)

5. Rainfall: Sep 1- Jan 10

Average (1914 - 2020):	877.6 mm
2020/2021	1,098.5 mm (125% of average)

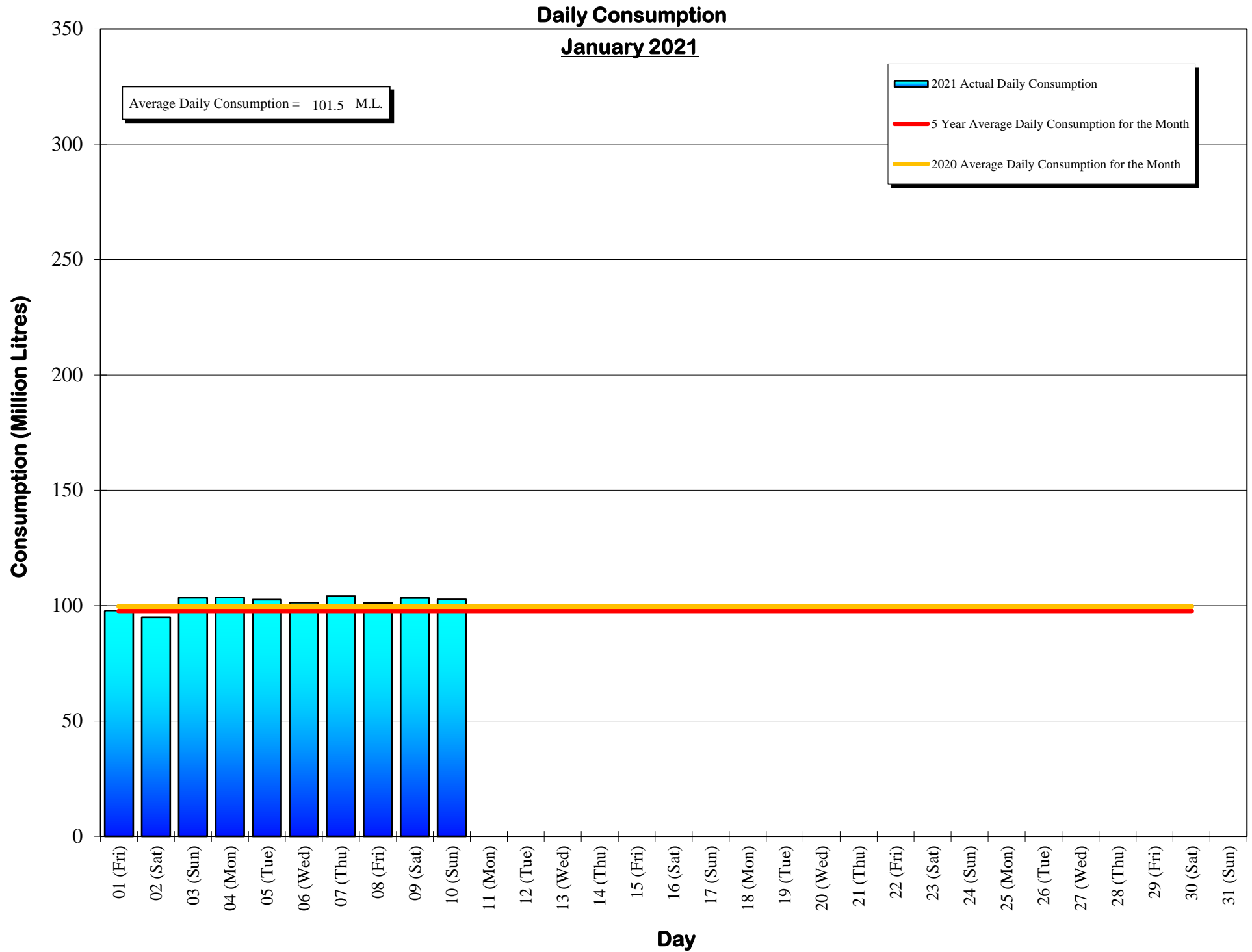
6. Water Conservation Action Required:

To avoid possible leaks this spring, now is the time to winterize your sprinkler system.
Visit www.crd.bc.ca/water for more information.

If you require further information, please contact:

Ted Robbins, B.Sc., C.Tech
General Manager, CRD - Integrated Water Services
or
Glenn Harris, Ph D., RPBio
Senior Manager - Environmental Protection

Capital Regional District Integrated Water Services
479 Island Highway
Victoria, BC V9B 1H7
(250) 474-9600



Daily Consumptions: - January 2021

Date	Total Consumption		Air Temperature @ Japan Gulch		Weather Conditions	Precipitation @ Sooke Res.: 12:00am to 12:00am			
	(ML) ^{1.}	(MIG) ^{2.}	High (°C)	Low (°C)		Rainfall (mm)	Snowfall ^{3.} (mm)	Total Precip.	
01 (Fri)	97.7	<=Min	21.5	9	6	Cloudy / Rain	24.9	0.0	24.9
02 (Sat)	95.0		20.9	7	5	Heavy Rain	59.4	0.0	59.4
03 (Sun)	103.4		22.8	8	3	Cloudy / Showers / P. Sunny	10.9	0.0	10.9
04 (Mon)	103.5		22.8	7	3	Cloudy / Rain	21.6	0.0	21.6
05 (Tue)	102.6		22.6	7	3	Cloudy / Rain	30.5	0.0	30.5
06 (Wed)	101.3		22.3	7	3	Cloudy / Showers / P. Sunny	2.3	0.0	2.3
07 (Thu)	104.1	<=Max	22.9	7	2	Cloudy / P. Sunny	0.0	0.0	0.0
08 (Fri)	101.1		22.2	7	1	Cloudy / Showers / P. Sunny	4.1	0.0	4.1
09 (Sat)	103.3		22.7	6	0	Cloudy / Showers	4.3	0.0	4.3
10 (Sun)	102.7		22.6	7	4	Cloudy / Showers	6.3	0.0	6.3
11 (Mon)									
12 (Tue)									
13 (Wed)									
14 (Thu)									
15 (Fri)									
16 (Sat)									
17 (Sun)									
18 (Mon)									
19 (Tue)									
20 (Wed)									
21 (Thu)									
22 (Fri)									
23 (Sat)									
24 (Sun)									
25 (Mon)									
26 (Tue)									
27 (Wed)									
28 (Thu)									
29 (Fri)									
30 (Sat)									
31 (Sun)									
TOTAL	1014.7 ML		223.22 MIG				164.3	0	164.3
MAX	104.1		22.90	9	6		59.4	0	59.4
AVG	101.5		22.32	7.2	3.0		16.4	0	16.4
MIN	95.0		20.89	6	0		0.0	0	0.0

1. ML = Million Litres

2. MIG = Million Imperial Gallons

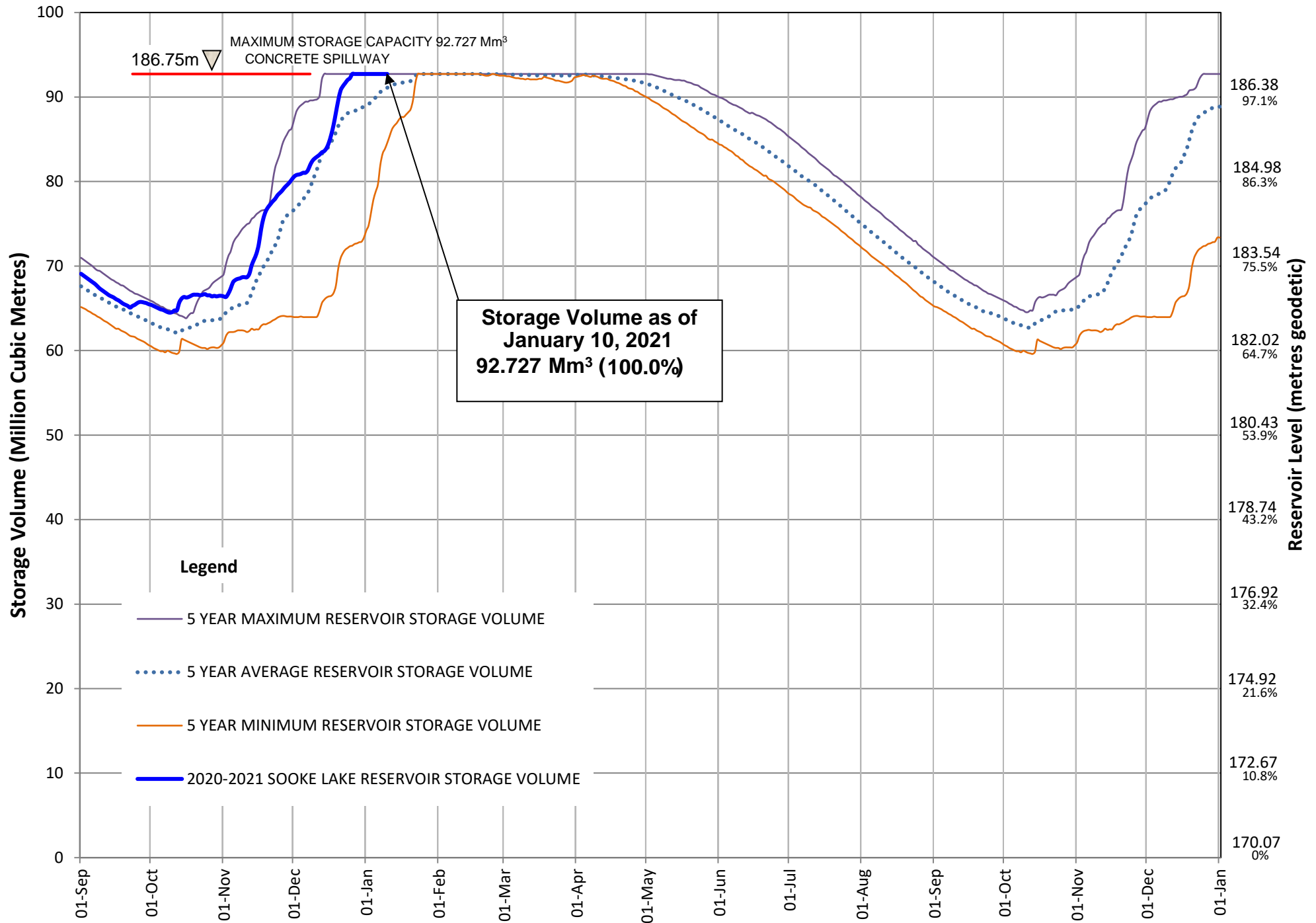
3. 10% of snow depth applied to rainfall figures for snow to water equivalent.

Average Rainfall for January (1914-2020)	274.5 mm
Actual Rainfall: January	164.3 mm
% of Average	60%
Average Rainfall (1914-2020): Sept 01 - Jan 10	877.6 mm
Actual Rainfall (2020/2021): Sept 01 - Jan 10	1,098.5 mm
% of Average	125%

Number days with precip. 0.2 or more
9

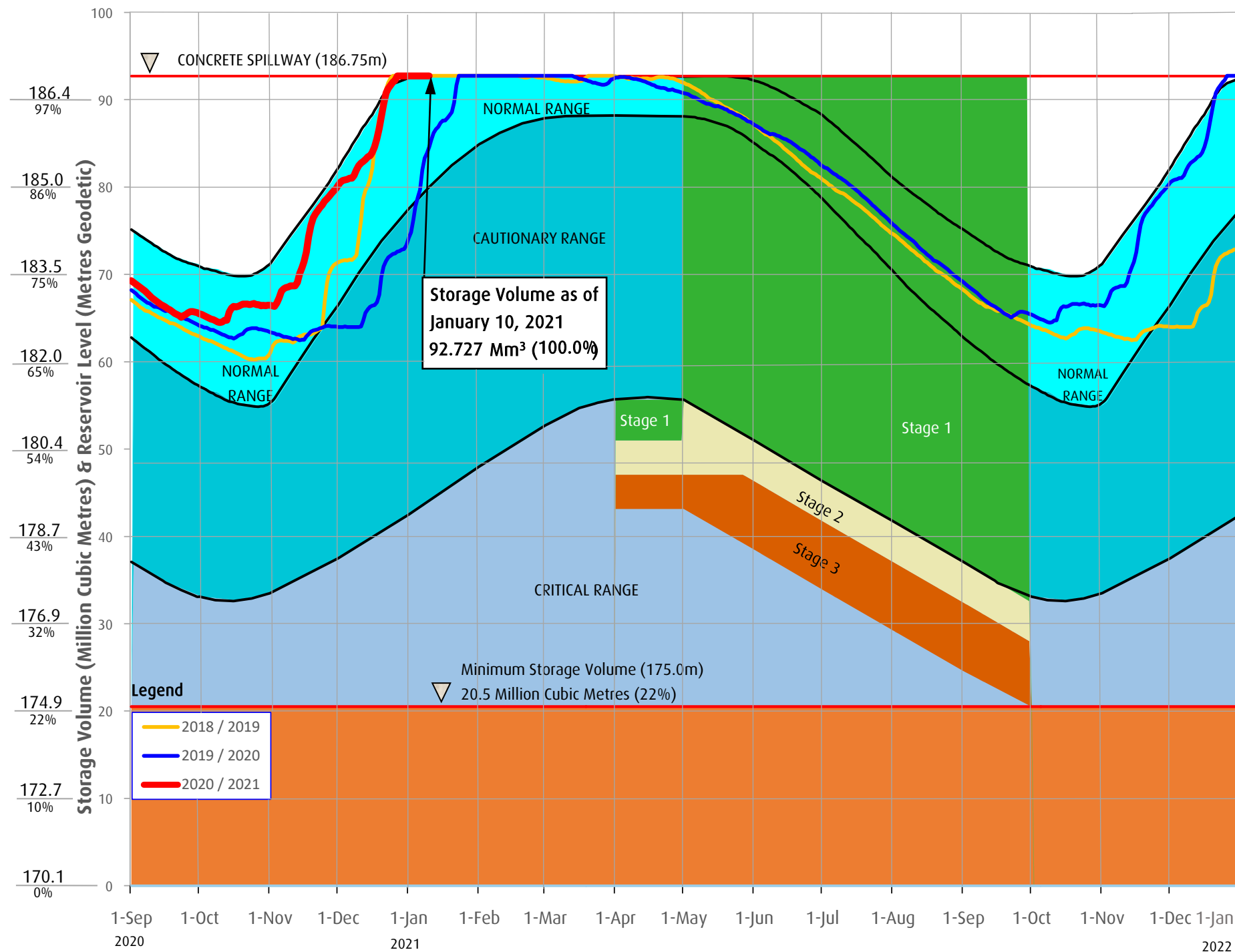
Water spilled at Sooke Reservoir to date (since Sept. 1) = 4.29 Billion Imperial Gallons
 = 19.50 Billion Litres

SOOKE LAKE RESERVOIR STORAGE SUMMARY 2020 / 2021



Sooke Lake Reservoir Storage Level

Water Supply Management Plan



FAQs

How are water restriction stages determined?

Several factors are considered when determining water use restriction stages, including,

1. Time of year and typical seasonal water demand trends;
2. Precipitation and temperature conditions and forecasts;
3. Storage levels and storage volumes of water reservoirs (Sooke Lake Reservoir and the Goldstream Reservoirs) and draw down rates;
4. Stream flows and inflows into Sooke Lake Reservoir;
5. Water usage, recent consumption and trends; and customer compliance with restriction;
6. Water supply system performance.

The Regional Water Supply Commission will consider the above factors in making a determination to implement stage 2 or 3 restrictions, under the Water Conservation Bylaw.

At any time of the year and regardless of the water use restriction storage, customers are encouraged to limit discretionary water use in order to maximize the amount of water in the Regional Water Supply System Reservoirs available for nondiscretionary potable water use.

Stage 1 is normally initiated every year from May 1 to September 30 to manage outdoor use during the summer months. During this time, lawn watering is permitted twice a week at different times for even and odd numbered addresses.

Stage 2 is initiated when it is determined that there is an acute water supply shortage. During this time, lawn water is permitted once a week at different times for even and odd numbered addresses.

Stage 3 is initiated when it is determined that there is a severe water supply shortage. During this time, lawn watering is not permitted. Other outdoor water use activities are restricted as well.

For more information, visit www.crd.bc.ca/drinkingwater

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Useable Reservoir Volumes in Storage for January 10, 2021

