



Making a difference...together

**SAANICH PENINSULA WATER COMMISSION**  
Notice of Meeting on **Thursday, March 21, 2024 at 9:30 am**  
Meeting Room, Sidney Community Safety Building (Fire Hall),  
2245 Oakville Ave, 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.

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|-------------------------|-----------------|----------------|
| D. Kelbert (Chair)      | P. Jones        | S. Shrivastava |
| M. Doehnel (Vice Chair) | Z. King         | R. Windsor     |
| S. Duncan               | C. McNeil-Smith |                |
| D. Halldorson           | C. Pinches      |                |

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**AGENDA**

- 1. TERRITORIAL ACKNOWLEDGEMENT**
- 2. APPROVAL OF AGENDA**
- 3. ADOPTION OF MINUTES .....3**  
*Recommendation: That the minutes of the January 18, 2024 meeting be adopted.*
- 4. CHAIR’S REMARKS**
- 5. PRESENTATIONS/DELEGATIONS**  
*Delegations will have the option to participate electronically. Please complete the [online](#) application for “Addressing the Board” on our website and staff will respond with details.*  
*Alternatively, you may email your comments on an agenda item to the Saanich Peninsula Water Commission at [iwsadministration@crd.bc.ca](mailto:iwsadministration@crd.bc.ca). Requests must be received no later than 4:30 p.m. two calendar days prior to the meeting.*
- 6. GENERAL MANAGER’S REPORT**
  - 6.1. Amalgamation Study Update**
- 7. COMMISSION BUSINESS**
  - 7.1. Implications of Organizing an Annual Speaker Series for Saanich Peninsula Community.....7**

*Recommendation: That the report be received for information and that staff not proceed with a speaker series for the Saanich Peninsula community.*

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To ensure quorum, advise [iwsadministration@crd.bc.ca](mailto:iwsadministration@crd.bc.ca) if you cannot attend.

**7.2. Summary of Recommendations from Other Water Commissions .....19**

*Recommendation: There is no recommendation, this report is for information only.*

**7.3. Water Watch Report .....24**

*Recommendation: There is no recommendation, this report is for information only.*

**8. NOTICE(S) OF MOTION**

**9. NEW BUSINESS**

**10. ADJOURNMENT**

**Next Meeting:** Thursday, May 16, 2024

**MINUTES OF A MEETING OF THE Saanich Peninsula Water Commission, held Thursday, January 18, 2024 at 9:30 am, Training Room 2, Sidney Community Safety Building, 2245 Oakville Ave, Sidney BC**

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**PRESENT: Commissioners:** D. Kelbert (Chair); M. Doehnel (Vice Chair); S. Duncan; D. Halldorson; P. Jones (EP); C. McNeil-Smith; C. Pinches; S. Shrivastava (EP); R. Windsor (EP)

**Staff:** A. Fraser, General Manager, Integrated Water Services; J. Marr, Senior Manager, Infrastructure Engineering; S. Irg, Senior Manager, Water Infrastructure Operations; G. Harris (EP), Senior Manager, Environmental Programs; J. Dales, Senior Manager, Wastewater Infrastructure Operations; D. Dionne, Administrative Coordinator, Integrated Water Services (Recorder)

**Also in Attendance:** D. Puskas, Director of Engineering, District of Central Saanich

**REGRETS:** Z. King

EP = Electronic Participation

The meeting was called to order at 9:32 am.

### 1. TERRITORIAL ACKNOWLEDGEMENT

The General Manager provided the Territorial Acknowledgement.

### 2. ELECTION OF CHAIR

Election conducted by the General Manager, Integrated Water Services.

The General Manager called for nominations for the position of Chair of the Saanich Peninsula Water Commission for 2024.

Commissioner Duncan nominated Commissioner Kelbert. Commissioner Kelbert accepted the nomination.

The General Manager called for nominations a second time.

The General Manager called for nominations a third and final time.

Hearing no further nominations, the General Manager declared Commissioner Kelbert Chair of the Saanich Peninsula Water Commission for 2024 by acclamation.

### 3. ELECTION OF VICE CHAIR

Election conducted by the Chair.

The Chair called for nominations for the position of Vice Chair of the Saanich Peninsula Water Commission for 2024.

Chair Kelbert nominated Commissioner Doehnel. Commissioner Doehnel accepted the nomination.

The Chair called for nominations a second time.  
The Chair called for nominations a third and final time.

Hearing no further nominations, the Chair declared Commissioner Doehnel Vice Chair of the Saanich Peninsula Water Commission for 2024 by acclamation.

#### 4. APPROVAL OF AGENDA

**MOVED** by Commissioner Halldorson, **SECONDED** by Commissioner McNeil-Smith,  
That the agenda be approved.

**CARRIED**

#### 5. ADOPTION OF MINUTES

**MOVED** by Commissioner Halldorson, **SECONDED** by Commissioner McNeil-Smith,  
That the minutes of the October 19, 2023 meeting be adopted.

**CARRIED**

#### 6. CHAIR'S REMARKS

The Chair thanked everyone for participating and for the time they dedicate to this Commission. He appreciated everyone's commitment to this public service.

#### 7. PRESENTATIONS/DELEGATIONS

There were no presentations or delegations.

#### 8. GENERAL MANAGER'S REPORT

##### 8.1. 2024 Saanich Peninsula Water Commission Work Plan

A. Fraser introduced the item. She stated that the work plan is a working document that will be used to communicate between staff and commissioners. Feedback from the Commission on other topics or reports can be provided through the Chair to staff.

The Commission requested that staff provide an update in July, ahead of the October budget meeting, identifying any significant projected changes to the 2025 Capital Plan.

#### 9. COMMISSION BUSINESS

##### 9.1. Saanich Peninsula Water Commission Amalgamation with the Regional Water Supply Commission – Feasibility Study

A. Fraser introduced the report and noted that it is to inform the commission of a referral motion staff received from the District of Central Saanich. She advised that there may be an unnecessary layer of governance and that the best course of action would be a feasibility study which would cost approximately \$40,000, with no amendments to rates and would take approximately six months to complete.

Discussion ensued and staff responded to questions from the Commission and the following comments were raised:

- How the public members of the Saanich Peninsula Water Commission would be represented at the Regional Water Supply Commission.

*R. Windsor joined the meeting*

- Provide a better more efficient use of the current Commission, review the terms of this commission and its ability to be more involved.
- Implications to the Water Advisory Committee for having peninsula representation, opportunity to move the First Nation representative to the Regional Water Supply Commission.
- The scope of the study would look at how to rebalance the two Commissions and review the pros and cons.
- Prudence of moving forward with a review as there may be a duplication of efforts
- Implications to water rates

**MOVED** by Commissioner Duncan, **SECONDED** by Commissioner McNeil-Smith,

1. That staff be directed to undertake a feasibility study to explore the implications of amalgamating the Saanich Peninsula Water Commission with the Regional Water Supply Commission; and,
2. That this report be referred to the Regional Water Supply Commission for information.

**CARRIED**

**9.2. Appointment of Representative to the Water Advisory Committee [Verbal]**

**MOVED** by Commissioner McNeil-Smith, **SECONDED** by Commissioner Duncan, That the Saanich Peninsula Water Commission appoint its Vice Chair to the Water Advisory Committee for a one-year term ending December 31, 2024.

**CARRIED**

**9.3. Summary of Recommendations from Other Water Commissions**

There is no recommendation, this report is for information only.

**9.4. Water Watch Report**

There is no recommendation, this report is for information only.

**10. NOTICE(S) OF MOTION**

There were none.

11. NEW BUSINESS

There was no new business.

12. ADJOURNMENT

**MOVED** by Commissioner Halldorson, **SECONDED** by Commissioner Duncan,  
That the January 18, 2024 meeting be adjourned at 10:04 am.

**CARRIED**

\_\_\_\_\_  
CHAIR

\_\_\_\_\_  
SECRETARY

DRAFT

**REPORT TO SAANICH PENINSULA WATER COMMISSION  
MEETING OF THURSDAY, MARCH 21, 2024**

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**SUBJECT**     **Implications of Organizing an Annual Speaker Series for Saanich Peninsula Communities**

**ISSUE SUMMARY**

To provide the Saanich Peninsula Water Commission with the implications of organizing an annual speaker series for the Saanich Peninsula communities on water and wastewater topics.

**BACKGROUND**

At the October 19, 2023 meeting, both the Saanich Peninsula Water and the Saanich Peninsula Wastewater Commissions directed staff to provide a report on the implications and a potential budget for associated costs to organize an annual speaker series for the Saanich Peninsula, dedicated to presentations by researchers and public interest groups that are focused on emerging topics concerning water and wastewater. This report addresses the motion passed in both Commissions.

In 2006, the Water in the City conference was hosted in Victoria from September 17 to 20, 2006. The event was organized by Councillor Judith Cullington (Colwood) and Commissioner Vic Derman (Saanich) with third party support. The Capital Regional District (CRD) was a major sponsor contributing \$35,000, with an additional investment of \$61,000 by the Commission.

In April 2025, British Columbia Water & Waste Association will be holding its annual conference in Victoria. This attracts water and wastewater professionals from across the province and will include three days of speakers on water related topics associated with provincial challenges.

In November 2025, the Canadian Water and Wastewater Association will be hosting its national conference in Victoria. This will attract water professionals from across the country and will include three days of speakers on water related topics from around the world. Both these events are typically industry focused but registration is opened to all.

Annually, the CRD's Environmental Protection department hosts a day long Water Symposium, which is typically attended by municipal and First Nation staff in the water field, Island Health, First Nations Health Authority, Ministry of Health and private water system operators in the area. This event has covered topics such as:

- Lead in Drinking Water
- Water Quality Risks from Cyanobacteria
- The Benefits of a Cross Connection Control Program
- Emergency Response Procedures for Water Suppliers
- Water Quality Risk Assessment and Mitigation for Water Main Break Events
- CRD Drinking Watersheds
- A New Water Master Plan

This year's event will be held in May and will focus on post disaster recovery. An invitation to the event will be extended to all members of the Regional Water Supply Commission's Water Advisory Committee.

In addition to the in-person events, the CRD has several priority public engagements in 2024 and 2025 which include, but are not limited to:

- Long Term Biosolids Management Plan
- Regional Water Supply Development Cost Charge Program
- 2025 Regional Water Supply Strategic Plan
- Various Demand Management engagement initiatives

All these engagement opportunities benefit from the public's participation but compete for public attention, therefore the CRD continues to prioritize our public messaging and engagement campaigns.

## **ALTERNATIVES**

### *Alternative 1*

That the report be received for information and that staff not proceed with a speaker series for the Saanich Peninsula community.

### *Alternative 2*

That the motion be referred to the Regional Water Supply Commission for consideration as part of the 2025 Strategic Plan refresh.

### *Alternative 3*

That staff be directed to include a budget item in the 2025 annual budget for the coordination of a speaker series for the Saanich Peninsula community.

## **IMPLICATIONS**

### *Alignment with Existing Plans & Strategies*

Section 5 of British Columbia Regulation 284/97 under the *Capital Region Water Supply and Sooke Hills Protection Act* required that the CRD adopt a strategic plan for a 20-year period. The 2017 Regional Water Supply Strategic Plan included a commitment to develop a higher level of public understanding of the drinking water supply system and value of water through education & engagement. To achieve this commitment, the following actions were undertaken:

- Continue to improve Regional Water Supply service and system information available to the public through a variety of media streams, to raise awareness around specific topics including water supply and conservation, and supply infrastructure investment; and,
- Continue to promote the value of the drinking water resource through Greater Victoria Water Supply Area public and school tours and other outreach.

Integrated Water Services continues to look at various strategies to engage the public in water related initiatives. The focus of the Regional Water Supply public engagement strategy has been to increase the understanding of the average resident on the value of water and the systems and infrastructure required to deliver safe drinking water and clean water to the environment.

Historically, when engaging those not already passionate about a subject matter, education has been more effective online when people can complete in their own time with their own intake of materials. Other North American municipalities have had similar goals, focusing on social media campaigns or short online videos to reach the largest audience.

As part of the 2017 Strategic Plan, staff have engaged the public during annual watershed tours which continue to receive positive feedback. In addition, three videos on the water supply system have been prepared and are hosted on YouTube. These include:

- [Greater Victoria Water Supply System: An Overview](#): provides a simple and informative overview of what the watershed is and where our drinking water comes from. This video is our most viewed video with approximately 1,400 views.
- [Greater Victoria Water Supply Area](#): provides a simple and more detailed overview of the history, filtration, sources and operational management of the water supply.
- [Greater Victoria Water Supply System: Treatment and Transmission](#): focuses on the journey of the water from source to tap.

In 2024, staff are refreshing the Strategic Plan to set priorities and actions for the next five years. As part of this new plan, alternative goals related to public engagement could be considered by the Regional Water Supply Commission.

#### *Financial Implications*

Assuming the event would attract roughly 100 individuals and would be held at a third-party venue, with snacks and beverages, staff estimate the cost to be approximately \$50,000, this would not include travel costs or possible costs for speakers from outside of the Region.

In addition, staff estimate this would require approximately 180 hours of staff time to plan, coordinate and facilitate the event over a four-month period leading up to the event. This would include support from Corporate Communications, Environmental Protection, and Integrated Water Services. This time would be over and above current Commission resourcing and would need to be budgeted as part of a stand-alone project, this would be an added cost of approximately \$30,000.

#### **CONCLUSION**

At the request of the Commission, this report provides information on existing public engagement and education opportunities related to water and wastewater and implications related to the organization of an annual speaker series for the Saanich Peninsula community focused on water and wastewater topics.

**RECOMMENDATION**

That the report be received for information and that staff not proceed with a speaker series for the Saanich Peninsula community.

Submitted by:	Alicia Fraser, P. Eng., General Manager, Integrated Water Services
Concurrence:	Andy Orr, Senior Manager, Corporate Communications
Concurrence:	Ted Robbins, B. Sc., C. Tech., Chief Administrative Officer

**ATTACHMENT(S)**

Appendix A: Water In the City Victoria Conference | September 17 - 20, 2006 (waterbucket.ca)

# WATER IN THE CITY VICTORIA CONFERENCE

## September 17 - 20, 2006

### VICTORIA, BRITISH COLUMBIA

#### *Water in the City – Core Program (Sept. 18 – 20)*

The conference takes place at the Victoria Conference Centre, 720 Douglas Street, Victoria British Columbia.

Monday, September 18th

#### **8:15 am Conference Welcome**

Traditional welcome from Songhees First Nations

- Welcome from Conference Chair, Vic Derman
- An introduction to the Federation of Canadian Municipalities' Water Campaign, Andrew Cowan, Centre for Sustainable Community Development

#### **9:00 am KEYNOTE PRESENTATION: Dr. Robert France**

“Deep Immersion: The Experience and Management of Water”

Dr. France is an adjunct Associate Professor in the Department of Landscape Architecture at Harvard University. He is an internationally recognized expert in planning and designing for sustainable use of water and has authored numerous publications including: Introduction to Watershed Development: Understanding and Managing the Impacts of Sprawl, Wetland Design and The Handbook of Water Sensitive Planning and Design.

#### **10:00 – 10:30 am Refreshment break**

#### **10:30 am – noon Concurrent sessions A**

##### **SESSION A 1 – Sustainable Watershed Governance**

Ananthan Suppiah of the First Nations First Nations' Emergency Services Society and the Indigenous Co-operative on the Environment (ICE) and Emily Chu, community planner and formerly Manager Development Services with the City of Coquitlam, will present an initiative to have First Nations partner with neighbouring communities in joint watershed-based community planning that transcends political boundaries. Also, consultant Ray Travers will present a goal driven (i.e., not stress driven) model of watershed governance that can be custom-made to resolve local problems and issues. By changing the way we make decisions, we can incrementally improve our capacity to effectively manage water supply systems with custom-made solutions that are ecologically, economically and socially sustainable. If you are involved in governing or managing water supply systems, this session should prove informative.

##### **Speakers:**

- **Ananthan Suppiah**, P.Eng., Manager, Technical & Environmental Services, First Nations' Emergency Services, Vancouver, B.C.
- **Emily Chu**, Manager Development Services, City of Coquitlam, B.C.
- **Ray Travers**, RFP, O.R. Travers Forestry Consultants Inc., Victoria, B.C.

##### **SESSION A 2 – Is Your Aquifer Under Threat?**

Brett Korteling of BC's Islands Trust and Shannon Denny of Natural Resources Canada will discuss a Natural Resources Canada initiative aimed at improving the stewardship of groundwater resources and improving the assessment of aquifer vulnerability and yield. Sylvia Kenny of BC's Ministry of Environment will provide a review of the aquifers in the Capital Regional District (Vancouver Island and Gulf Islands) including an overview of the groundwater monitoring and aquifer characterization process. While this session has broad appeal, it should be particularly useful to smaller communities and others who rely on healthy aquifers.

##### **Speakers:**

- **Brett Korteling**, Geographic Information Systems Coordinator, Islands Trust, Victoria, B.C.
- **Shannon Denny**, Physical Scientist, Natural Resources Canada, Vancouver, B.C.

- **Sylvia Lenny**, Ground Water Protection Officer, BC Ministry of Environment, Nanaimo, B.C.

### SESSION A 3 – Integrating Stormwater within the Urban Fabric

Most communities have developed in similar ways regardless of climate. Design principles have facilitated swift conveyance of stormwater and the pollutants it carries into receiving waters. This practice and other unfortunate consequences of past design must change. Tom Liptan is an internationally recognized Landscape Architect and Ecological Designer for the City of Portland who has served as a keynote speaker at many conferences. His presentation describes the wide ranging measures the city is taking to mimic nature's methods of treating stormwater. This session is a 'must' for those who are rethinking the way in which their communities handle water.

#### Speaker:

- **Tom Liptan**, City of Portland Bureau of Environmental Services, Portland, Oregon

### SESSION A 4 – Conservation Centered Water Planning

Launching an effective conservation program takes a great deal of careful planning. Jack Hull, manager of the Capital Regional District Water Services, will examine the economics of water conservation. Judi Gladstone will present the City of Seattle's process for arriving at realistic conservation objectives. If you're planning a new or expanded conservation program, you'll find good background information here.

#### Speakers:

- **Judi Gladstone**, Seattle Public Utilities Water Policy Advisor, City of Seattle, Washington
- **Jack Hull**, General Manager, Capital Regional District Water Services, Victoria, B.C.

### SESSION A 5 – Rehabilitation for Watercourses: A Practical Approach

Most of our communities are faced with watercourses that have been sadly misused and neglected. A panel consisting of Jody Watson from the Capital Regional District, consultant Scott Murdoch and restoration ecologist David Polster will discuss obstacles that must be overcome and will outline effective techniques and processes for water course rehabilitation. Practical examples and success stories will also be presented.

#### Speakers:

- **Jody Watson**, Harbours and Watersheds Coordinator, Capital Regional District, Victoria, B.C.
- **Scott Murdoch**, Murdoch Landscape Planning and Design Ltd., Victoria, B.C.
- **David Polster**, Polster Environmental Services, Duncan, B.C.

**Noon – 1:30 pm Lunch in the Trade Show area**

**1:30 – 3:00 pm Concurrent sessions B**

### SESSION B 1 – Calculating Conservation and Water Rates

Water calculators are a useful tool for rapidly exploring different scenarios. Liam Edwards from the BC Ministry of Community Services will head a group demonstrating the abilities of water conservation calculators. Mike Donnelly from the Regional District of Nanaimo (RDN) will present their rate review process and Jean-Pierre Joly of AquaVic Water Solutions will present the WaterWorth(tm) calculator and demonstrate how it is being used within the context of the RDN rate review.

#### Speakers:

- **Liam Edwards**, Municipal Infrastructure Resource Technician, BC Ministry of Community Services, Victoria, B.C.
- **Tony Maas**, Research Assistant, Urban Water Demand Management Team, POLIS Project on Ecological Governance, University of Victoria, B.C.
- **Kathrine Zaletnik**, Research Assistant, Urban Water Demand Management Team, POLIS Project on Ecological Governance, University of Victoria, B.C.
- **Jean-Pierre Joly**, AquaVic Water Solutions Inc., Victoria, B.C.
- **Mike Donnelly**, ASCT, Utilities Manager, Regional District of Nanaimo, Nanaimo, B.C.

### SESSION B 2 – The “Soft Path” to Future Water Policy

Dr. David Brooks, a leading ecological economist and pioneer in the efficiency and conservation field, will join Oliver Brandes, Water Sustainability leader at the POLIS Project on Ecological Governance in leading a panel that explores the potential of the emerging “Soft Path” to a sustainable water future. Sometimes, where there is a way, there is a will.

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**Speakers:**

- Oliver Brandes, Water Sustainability Project, POLIS Project on Ecological Governance, University of Victoria, B.C.
- **David Brooks**, Director of Research, Friends of the Earth Canada, Ottawa, Ontario
- **Kim Stephens**, Water Sustainability Action Plan for B.C., Vancouver, B.C.
- **Glen Pleasance**, Water Efficiency Coordinator, Region of Durham, Durham, Ontario
- **Al Dietemann**, Seattle Public Utilities, Seattle, Washington

**SESSION B 3 – Technologies that Work for Home and Industry**

There are a host of new technologies that use water more efficiently. Learn what's out there and what really works. Home appliances, irrigation and commercial cooling equipment will be emphasized. Make the right choices and savings can be remarkable. The Capital Regional District's innovative audit program for commercial and industrial users is uncovering remarkable water savings. Panel members include Tony Gregg of Austin, Texas, Doug Sproule of Sustainable Solutions International and Colwyn Sunderland of Capital Regional District Water Services.

**Speakers:**

- **Tony Gregg**, Water Conservation Division Manager, Austin Water Utility, City of Austin, Texas
- **Doug Sproule**, Sustainable Solutions International, Vancouver, B.C.
- **Colwyn Sunderland**, Capital Regional District Water Services, Victoria, B.C.

**SESSION B 4 – Should Your Roof be Green?**

Karen Liu, Kerley Accosta and Claro Dejerer of the British Columbia Institute of Technology will discuss the advances and new trends in green roof technology, look at special design considerations and examine the stormwater management potential for Canadian cities based on the latest research in North America. The audience will also be given a glimpse of the exciting research projects that the Centre for the Advancement of Green Roof Technology is currently undertaking.

**Speakers:**

- **Karen Liu**, Centre for the Advancement of Green Roof Technology, British Columbia Institute of Technology, Vancouver, B.C.
- **Kerley Accosta**, Centre for the Advancement of Green Roof Technology, British Columbia Institute of Technology, Vancouver, B.C.
- **Claro Dejerer**, Centre for the Advancement of Green Roof Technology, British Columbia Institute of Technology, Vancouver, B.C.

**SESSION B 5 – Source Control - The First Line of Defence**

Water pollution from storm and sanitary sewers can be a major concern for communities. What are we putting into our waterways, and how can we stop the problem at the source? Environment Canada's Julia Brydon will examine techniques to evaluate the quality of urban runoff, and look at options for stormwater source control. Trevor Smyth with the Capital Regional District's Environmental Services will describe how the region has worked with businesses to successfully reduce contaminants entering the sanitary sewer system. Come and find out how to stop the problem at the source.

**Speakers:**

- **Julia Brydon**, Pollution Prevention Coordinator, Environment Canada, Vancouver, B.C.
- **Trevor Smyth**, Supervisor, Source Control Program, Capital Regional District Environmental Programs, Victoria, B.C.

**3:00 – 3:30 pm Refreshment break****3:30 – 5:00 pm**

Panel discussion: Issues North Americans Face

This plenary panel will discuss major issues that communities across North America are facing.

**Speakers:**

- **Dr. Richard Stanwick**, Chief Medical Health Officer, Vancouver Island Health Authority, Victoria, B.C.
- **Calvin Sandborn**, Faculty of Law, University of Victoria, B.C.
- **Dr. David Brooks**, Director of Research, Friends of the Earth Canada, Ottawa, Ontario

**5:15 – 7:30 pm Reception at BC Experience****14****7:45 – 9:15 pm**

Evening KEYNOTE presentation: Nature's Revenue Streams

Patrick Lucey and Chris Corps

Clean, accessible supplies of fresh water rely on healthy ecosystems, but development has historically damaged those ecosystems. Smart Municipal Development uses development to restore aquatic systems while saving money for the developer and reducing infrastructure costs for the community. This session will present a series of short case studies that demonstrate the economic benefit of taking a triple bottom line approach (Green Value) to development and ecosystem restoration. This program of Smart Municipal Development is the subject of a new project, entitled Nature's Revenue Streams, being developed to assess the effectiveness and value of ecological approaches to water management throughout the CRD and across North America.

**Speakers:**

- **Patrick Lucey**, Senior Aquatic Ecologist, Aqua-Tex Scientific, Kimberley, B.C.
- **Chris Corps**, Chartered Surveyor, former Chair of the Royal Institute of Chartered Surveyors, Canada

Tuesday, September 19th

**8:30 – 10:00 am Concurrent sessions C****SESSION C 1 – An “Onsite” Approach to Water Issues**

With a limited water supply and rapidly growing population, the Gulf Islands in southwest British Columbia are faced with water shortage problems. Edward Hoeppepner will discuss the Islands' situation and will detail innovative onsite solutions implemented on Hornby Island including: rainwater harvesting, constructed wetlands, and greywater planter bed technology. This session should have particular value for smaller communities and others who must deal with the urban/rural interface.

**Speaker:**

- **Edward Hoeppepner**, Aquarian Systems Inc. and GreenHouse Organic Sewage Treatment Society (GHOSTS), Hornby Island, B.C.

**SESSION C 2 – Sustainable Water – A Community Wide Approach**

Can all potable and non-potable water demand in an urban environment be satisfied by the rainwater that falls on it and water re-use? Can potable water demands be satisfied in a similar manner? Can all sewer streams, sanitary and stormwater, be treated and disposed of sustainably within a community's boundaries? Tom Puttman of David Evans and Associates will explore these and other issues. Many of the firm's successful projects will be reviewed. Tom's innovative and inspirational presentations are well-known and always well received.

**Speaker:**

- **Tom Puttman**, PE, AICP, LEED AP, David Evans and Associates Inc., Portland, Oregon

**SESSION C 3 – Issues of Governance We All Must Face**

Is governance a barrier to water reform? What needs to change to remove obstacles? What are the new policy directions that will help move us to a sustainable future? How can these changes be accomplished and what are the next steps? A discussion led by Karen Bakker, Associate Professor at the University of British Columbia, includes panellists Oliver Brandes of the POLIS Project on Ecological Governance, Randy Christensen of the Sierra Legal Defence Fund and Linda Nowlan, environmental lawyer. This session will take a broad look at governance and the changes that we need to accomplish.

**Speakers:**

- **Karen Bakker**, Associate Professor, University of British Columbia, Vancouver, B.C.
- **Oliver Brandes**, Water Sustainability Project, POLIS Project on Ecological Governance, University of Victoria, B.C.
- **Randy Christensen**, Sierra Legal Defence Fund, Vancouver, B.C.
- **Linda Nowlan**, environmental lawyer, Vancouver, B.C.

**SESSION C 4 – Is It Really “Waste”water? – Reuse Opportunities**

In most communities, scarce treated water used for flushing toilets represents the largest single component of water use. Andrew Helleburst from EcoWerks Technologies and Jill Lauren Hass from

Clearford Industries will look at the current state of wastewater re-use as well as emerging technologies and future opportunities, in an area with huge potential for water savings. Finally, Pam Bissonnette of King County in Washington State will talk about their county's approach to the issue including implementation of a state of the art water reclamation plant.

**Speakers:**

- **Andrew Helleburst**, EcoWerks Technologies Corporation, Woodbridge, Ontario
- **Jill Lauren Hass**, Project Engineer, Clearford Industries Inc., Ottawa, Ontario
- **Pam Bissonnette**, Director of King County Department of Natural Resources and Parks, King County, Washington

**SESSION C 5 – It All Starts With Accountability**

Conservation initiatives are great but efficient use of water has to start with making your system accountable. Tony Gregg from Austin Texas, Glen Pleasance, and Christine McCormack from Earth Tech Canada will discuss gains to be made from making your system accountable and creating procedures to measure and monitor conservation efforts. If you haven't subjected your system to this sort of analysis, it's time to learn about it now.

**Speakers:**

- **Tony Gregg**, Water Conservation Division Manager, Austin Water Utility, City of Austin, Texas
- **Glen Pleasance**, Water Efficiency Coordinator, Region of Durham, Durham, Ontario
- **Christine McCormack**, P.Eng., Earth Tech Canada Inc., Burnaby, B.C.

**10:00 – 10:30 – MORNING REFRESHMENT BREAK**

**10:30 – 12:00**

**KEYNOTE – DR. PETER COOMBES**

Dr. Coombes is a Conjoint Associate Professor in the School of Environmental and Life Sciences at the University of Newcastle in Australia. Dr. Coombes is recognized internationally as a leading researcher in Water Sensitive Urban Design (WSUD), Integrated Water Cycle Management (IWCM), water cycle economics, water quality from alternative supplies and health impacts. He has served as a senior advisor to governments in Australia.

**LUNCH – 12:00 – 1:30**

**1:30 – 3:00 Concurrent Session D**

**SESSION D 1 – Green Infrastructure Needs Green Governance**

Do your community's governance processes encourage innovation and change or are they just a hurdle that you're always trying to get around? Jodi Dong will talk about recent governance reforms to urban water management in Australia and their impacts on the way water is provided and treated. Susan Rutherford of West Coast Environmental Law and lawyer Deborah Curran will discuss an initiative to foster governance that encourages "green" approaches. Sample bylaws and organizational procedures designed to encourage innovation and change will demonstrate how your community can move away from the narrowly prescriptive approaches of the past

**Speakers:**

- **Jodi Dong**, Griffiths University, Queensland, Australia
- **Susan Rutherford**, Staff Lawyer, West Coast Environmental Law, Vancouver, B.C.
- **Deborah Curran**, Environmental Lawyer, Curran and Co., Victoria, B.C.

**SESSION D 2 – Rainwater and Re-Use – An "Untapped" Resource**

Most of our communities rely on "single source", "single pipe" supply systems that result in scarce treated water being used for less critical applications such as landscape irrigation. Are there opportunities to "tap" other sources? Karl Schaefer from Environment Canada will look at the current status of water re-use in Canada, Peter Dixon of Victoria will review a process of local citizenry involvement for introducing rainwater harvesting and recycling water as an alternate water resource, and Lorne Haveruk of DH Water Management Services will show how irrigation can be achieved without city water. These are technologies whose time has come.

**Speakers:**

- **Karl Schaefer**, Acting Director for the Science & Technology Liaison Division of Environment Canada, Vancouver, B.C.
- **Peter Dixon**, former President of, Veins of Life Watershed Society, Victoria, B.C.

- **Lorne Baveruk**, DH Water Management Services, Toronto, Ontario

### SESSION D 3 – Streets can be Sustainable Too

Hard surfaced streets are a primary source of the pollution that affects receiving waters. But, it doesn't have to be that way. Some communities have developed innovative, attractive streets that treat pollutants onsite. As an added plus, these environmentally sensitive streets can be less expensive to build than traditional curb and gutter. David Desrochers from the City of Vancouver will describe the city's innovative "Crown Street" and "Country Lanes". Tracy Tackett will present examples of the City of Seattle's "Natural Drainage Systems Program" including the ground breaking "SEA" street project. Come and see if your streets measure up.

#### Speakers:

- **Dave Desrochers**, City of Vancouver, B.C.
- **Tracy Tackett**, Low Impact Development Program Manager, Seattle Public Utilities, City of Seattle, Washington

### SESSION D 4 – Celebrating Water as a Design Amenity

Sustainable can be beautiful. There are many opportunities to combine ecological sustainability with urban design that features water as an attractive quality of life amenity. Well-known Pacific Northwest artist Buster Simpson will explore the possibilities and presents numerous examples of projects that have celebrated water as a design feature; Emilie Adin of Plangirl International and the City of Langford will show how Europeans have been incorporating water features for thousands of years. Find out if your community is maximizing opportunities to best combine aesthetic and practical values as it re-develops.

#### Speakers:

- **Buster Simpson**, Artist, Seattle, Washington
- **Emilie Adin**, Community Planner, Langford, B.C.

### SESSION D 5 – Enlightened Water Source Management

Enlightened management of your supply watershed can contribute greatly to the goal of providing clean, safe water. Melanie Gray from EPCOR will provide practical examples of partnership approaches to watershed assessment and action. Gordon Joyce of the Capital Regional District Water Services will present management techniques used to preserve the health of the region's protected source watershed. Mr. Joyce will also present strategies for areas that don't have the advantage of complete control of their source watershed, a particular plus if your community finds itself in that situation. Finally, Bob Hoffstrom of McElhanney Consulting Services and Mike Donnelly from the Regional District of Nanaimo will present a variety of tools for effective management of water assets.

#### Speakers:

- **Melanie Gray**, Watershed Specialist, EPCOR Water Services, Edmonton, Alberta
- **Gordon Joyce**, Manager, Watershed Protection, Capital Regional District Water Services, Victoria, B.C.
- **Bob Hoffstrom**, McElhanney Consulting Services Ltd., Nanaimo, B.C.
- **Mike Donnelly**, ASCT, Utilities Manager, Regional District of Nanaimo, Nanaimo, B.C.

### 3:30 – 5:00 – PANEL – CLIMATE CHANGE – THE ELEPHANT IN THE ROOM

Climate change is quite possibly the most significant challenge communities face in the 21st century. An expert panel led by University of Victoria's Andrew Weaver, an internationally respected authority on the subject, will examine the phenomenon and its implications. Topics covered will include: Is climate change real – what does the science say? What are global implications for the current century? What specific impacts will likely occur in various regions of North America? and, What can we do to mitigate the problem and prepare for change?

#### Speakers:

- **Andrew Weaver**, School of Earth and Ocean Sciences, University of Victoria, Victoria, B.C.
- **Lea Berrang**, Health Canada.

Wednesday, September 20th

8:30 – 10:00 am Concurrent Session E

**SESSION E 1 – Demand Management Strategies That Work**

Demand management programs are central to conservation efforts. Deborah Walker from the Capital Regional District and Nancy Stalker from Calgary will present demand management success stories. Kellie Bunting, a consultant with Westland Resource Group in Victoria, will examine the limits of a demand management approach to water issues in the Cowichan Basin. If you're considering implementing a demand management program, you'll get a lot of tips here.

**Speakers:**

- **Deborah Walker**, Demand Management Coordinator, Capital Regional District Water Services, Victoria, B.C.
- **Nancy Stalker**, City of Calgary, Alberta
- **Kellie Bunting**, Assistant Environmental Planner, Westland Resource Group Inc., Victoria, B.C.

**SESSION E 2 – Best Practices – UVIC and Dockside Green**

Water in the City will feature two excellent Capital Region examples of green development and sustainable water use. Sarah Webb of the University of Victoria will present the University's stormwater management plan and will describe the very advanced features incorporated into new campus buildings. In one project, water is reused up to four times. Dockside Green promises to be one of the most sustainable projects undertaken in North America. Joe van Belleghem of Windmill Developments will describe the many leading edge features of this landmark project. Discover the art of the possible for new buildings in your community.

**Speakers:**

- **Sarah Webb**, Facilities Management, University of Victoria, B.C.
- **Joe van Belleghem**, Windmill Developments, Victoria, B.C.

**SESSION E 3 – Alternative Approaches to Sewage Treatment**

Traditional North American approaches to sewage treatment have involved piping sewage to a large central plant then dumping treated effluent into nearby waters. But, is there a better way? An expert panel consisting of Stephen Salter, Paul O'Callaghan from O2 Environmental and Doug Thompson from ZENON Membrane Solutions will examine: alternative technologies for sewage treatment, opportunities to treat sewage as a resource and opportunities for decentralized systems.

**Speakers:**

- **Stephen Salter**, Farallon Consultants Ltd., Victoria, B.C.
- **Paul O'Callaghan**, O2 Environmental and Decentralised Wastewater Management Committee, BCWWA, Vancouver, B.C.
- **Doug Thompson**, ZENON Membrane Solutions, Oakville, Ontario
- **Bob Dawson**, Stantec Consulting, Victoria, B.C.

**SESSION E 4 – Practical Techniques Your Community Can Use**

Consultant Scott Murdoch's presentation of a "Developer's Toolkit to Stormwater Management Techniques" will provide a broad understanding of the technologies available for stormwater remediation. Brian Stretch will examine the topic of Xeriscaping with "water wise" plants and will present example of success from across North America. Finally, Stephanie Hurley of Harvard University and the Charles River Watershed Association will describe current efforts to develop an extensive stormwater management program for Harvard's campus. Those looking for lots of very practical tips should find them here.

**Speakers:**

- **Scott Murdoch**, Murdoch Landscape Planning and Design Ltd., Victoria, B.C.
- **Brian Stretch**, Landscape Architect, Victoria, B.C.
- **Stephanie Hurley**, Harvard Graduate School of Design, Boston, Massachusetts

**SESSION E 5 – Buried and Forgotten? – The Infrastructure Crisis**

Communities have a huge investment in water system infrastructure. In spite of this, maintenance and replacement are often neglected or poorly dealt with. CRD Water Service Manager Jack Hull will examine the extent of the problem across North America and how it can be managed appropriately, Mark Knight of the University of Waterloo will examine the health implications of infrastructure neglect and Chris Baisley of Deloitte & Touche will review some tools and approaches for financially sustainable water and wastewater systems. While it has broad relevance, this session should provide special value to those involved in the financial side of community management

**Speakers:**

- **Jack Hill**, General Manager, Capital Regional District Water Services, Victoria, B.C.
- **Mark Knight**, Centre for Advancement of Trenchless Technologies, Dept. of Civil Engineering, University of Waterloo, Ontario
- **Chris Baisley**, Manager, Infrastructure Advisory and Project Finance, Deloitte & Touche

**10:00 – 10:30 – MORNING REFRESHMENT BREAK**

**10:30 – 12:15 – PLENARY PANEL – INTEGRATING WATER INTO PLANNING FOR SUSTAINABLE COMMUNITIES**

- **Peter Busby**, Busby, Perkins + Will Architects, Victoria, B.C.
- **Chris Corps**, Former Chair, Royal Institute of Chartered Surveyors, Canada, Victoria, B.C.
- **Tom Puttman**, David Evans and Associates Inc., Portland, Oregon

**Conference closing**

**7:30 p.m.: Maude Barlow, Council of Canadians. The Looming Global Water Crisis: Enshrining Water as a Human Right, not a Corporate Commodity.**

A mighty contest, largely unreported in North America and Europe, is taking place around the world concerning the ownership and control of the earth's dwindling water supplies. The heart of the debate lies between those who see water as a commodity to be bought and sold on the open market like cars and running shoes, and those who believe that water is the common heritage of the earth and all humanity that must never be appropriated for profit. Maude Barlow will speak to the looming water crisis and the need for us to recognize water as a human right and ensure it stays in the public trust. She will outline what steps we must take to reach this goal.



Maude Barlow is the Chairperson of the Council of Canadians and a board member of Washington-based Food and Water Watch. She is the co-author (with Tony Clarke) of *Blue Gold, The Fight to Stop Corporate Theft of the World's Water*.

This free public lecture will take place at the Farquhar Auditorium, University of Victoria, Saturday, September 16th from 7:30 – 9:00 p.m. Doors open 7 pm.

*Tickets for this event are free but must be reserved in advance.* To reserve your seat, go to [www.auditorium.uvic.ca](http://www.auditorium.uvic.ca) and follow the 'tickets' link, or call (250) 721-8480. Tickets (max 2 per person) will be held at the door, or may be mailed for a small fee.

**Innovation—Creativity—Emerging Technologies—Best Practices**

Information from Water In The City Victoria Conference | September 17 - 20, 2006  
<http://www.waterinthecityvictoria.ca>

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# Capital Regional District

## **HOTSHEET AND ACTION LIST**

### Regional Water Supply Commission

Friday, March 1, 2024

9:00 AM

6<sup>th</sup> Floor Boardroom  
625 Fisgard Street  
Victoria, BC

**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. A name has been identified beside each item for further action and follow-up.**

#### **The Following Items were Received for Information**

- 3.1.1 A presentation from Dr. Benusic, Island Health, Island Health: Re: Item 4.2 – Correspondence: Island Health: Filtration of Greater Victoria Water Supply System, February 6, 2024
- 4.1 A presentation from A. Fraser: Regional Water Supply 2022 Master Plan Overview and Status Update
- 4.2 Correspondence: Filtration of Greater Victoria Water Supply System, Island Health



## Capital Regional District HOTSHEET AND ACTION LIST Regional Water Supply Commission

Wednesday, February 21, 2024

11:30 AM

6<sup>th</sup> Floor Boardroom  
625 Fisgard Street  
Victoria, BC

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. A name has been identified beside each item for further action and follow-up.

### 3. ADOPTION OF MINUTES

That the minutes of the January 17, 2024 meeting be adopted.

**CARRIED**

### 7. COMMISSION BUSINESS

#### 7.1. Regional Water Supply 2017 Strategic Plan Closeout

**Recommendation:**

1. That staff be directed to update the Regional Water Supply Strategic Plan; and,
2. That staff provide the Regional Water Supply Commission an updated draft Strategic Plan prior to initiating public, First Nations, and stakeholder engagement on the Plan.

**CARRIED**

#### 7.3. Greater Victoria Water Supply Access and Special Use Request for Wind Data Collection – Innergex Renewable Energy Inc. [Annette – 24-188]

**Recommendation:**

1. That access be approved and special use for Innergex Renewable Energy Inc. (Innergex) to place, maintain and draw data from a wind measuring device in the Greater Victoria Water Supply Area; and,
2. That staff be directed to execute a licence of occupation with Innergex for Greater Victoria Water Supply Area access and special use.

**CARRIED**

9. MOTION(S) WITH NOTICE

9.1. Delay Action on the Regional Water Supply 2022 Master Plan [Commissioner Jordison–January 17]

**Motion arising:**

That the notice of motion be deferred to the March 1, 2024 Special Regional Water Supply Commission meeting.

**DEFEATED**

**Recommendation:**

To delay further action on the Regional Water Supply 2022 Master Plan until such time as the concerns raised by the Huggett report can be investigated and addressed.

**DEFEATED**

9.2. First Nations Consultation Re: Bill 44 [Commissioner Chambers–January 17]

**Motion arising:**

That the notice of motion be referred to staff.

**DEFEATED**

**Recommendation:**

That the commission reach out to the WSANEC Leadership Council First Nations, in the absence of consultation by the Provinces' Bill 44, regarding the impacts on infrastructure and the Goldstream River.

**WITHDRAWN**

11. MOTION TO CLOSE THE MEETING

The commission rose from its closed session without report.

**The following items were received for information:**

7.2. Water Quality Summary Report for Greater Victoria Drinking Water System – April to December 2023

7.4 Summary of Recommendations from Other Water Commissions

7.5 Water Watch Report

8.1 Correspondence: from Dale Puskas, Director of Engineering, District of Central Saanich:  
Re: Regional Water Supply Development Cost Charges, February 14, 2024



# Capital Regional District

## HOTSHEET AND ACTION LIST

### Regional Water Supply Commission

Wednesday, January 17, 2024

11:30 AM

CRD Boardroom  
625 Fisgard Street  
Victoria, BC

**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. A name has been identified beside each item for further action and follow-up.**

#### 3. ELECTION OF CHAIR

Commissioner Baird was acclaimed as Chair.

#### 4. ELECTION OF VICE CHAIR

Commissioner Harper was elected Vice Chair.

#### 5. ADOPTION OF MINUTES

That the minutes of the October 18, 2023 meeting be adopted.

**CARRIED**

#### 6. CHAIR'S REMARKS

**Staff to distribute the Chair's remarks to the Commission following the meeting.**

#### 9. COMMISSION BUSINESS

##### 9.1. Greater Victoria Water Supply Area Land Acquisition Reserve Fund Update

**Recommendation:**

1. That a reserve fund for Greater Victoria Water Supply Area land acquisition be included when considering of a reserve fund for Regional Water Supply System Master Plan projects, and that, until reserves are established, land purchase opportunities continue to be addressed through adjustments to the existing capital program and/or debt financing;
2. That the decision whether to establish a Greater Victoria Water Supply Area land acquisition reserve fund be brought back either, when recommendation 1. Above occurs, or when a specific need arises; and,
3. That a report on land acquisition opportunities and progress be provided, in closed meeting, only when Commission decision is required or significant progress is made.

**CARRIED**

**9.2. Motion with Notice: Placement of Post Disaster Water Supply Drop Kits in Relevant Fire Halls (Commissioner Rogers)**

**Item postponed to March.**

**Recommendation:** That the Regional Water Supply Commission directs staff to explore cost-sharing with municipalities to get the Post Disaster Water Supply Drop Kits in relevant fire halls, for consideration in the next budget cycle.

**9.3. Regional Water Supply 2024 Capital Plan Update**

**Recommendation:** That the Regional Water Supply Commission recommends that the Capital Regional District Board:  
Update the 2024 Regional Water Supply Service Capital Budget and Five Year Capital Plan to include 2024 budget updates for projects 24-19, 20-16, 20-17, 21-03, 19-16, 18-18 and 21-11 as outlined in Appendix A.

**CARRIED**

**9.4. Regional Water Supply Commission Representative on the Water Advisory Committee**

**Recommendation:** That the Regional Water Supply Commission appoint its Vice Chair as its representative on the Water Advisory Committee for a one-year term ending December 31, 2024.

**CARRIED**

**10. NOTICE(S) OF MOTION**

The following motions were received:

**Recommendation:** To delay further action on the Regional Water Supply 2022 Master Plan until such time as the concerns raised by the Huggett report can be investigated and addressed

**- Commissioner Jordison**

**Recommendation:** That the commission reach out to the WSANEC Leadership Council First Nations, in the absence of consultation by the Provinces' Bill 44, regarding the impacts on infrastructure and the Goldstream River

**- Commissioner Chambers**

**CAPITAL REGIONAL DISTRICT - INTEGRATED WATER SERVICES**

**Water Watch**

Issued March 11, 2024

**Water Supply System Summary:**

**1. Useable Volume in Storage:**

Reservoir	March 31 5 Year Ave		March 31/23		March 10/24		% Existing Full Storage
	ML	MIG	ML	MIG	ML	MIG	
Sooke	92,658	20,385	92,727	20,400	92,727	20,400	100.0%
Goldstream	8,487	1,867	9,825	2,162	9,907	2,179	99.9%
Total	101,145	22,252	102,552	22,561	102,634	22,579	100.0%

**2. Average Daily Demand:**

For the month of March	104.0 MLD	22.87 MIGD
For week ending March 10, 2024	104.3 MLD	22.95 MIGD
Max. day March 2024, to date:	107.5 MLD	23.64 MIGD

**3. Average 5 Year Daily Demand for March**

Average (2019 - 2023)	103.3 MLD <sup>1</sup>	22.73 MIGD <sup>2</sup>
-----------------------	------------------------	-------------------------

<sup>1</sup>MLD = Million Litres Per Day      <sup>2</sup>MIGD = Million Imperial Gallons Per Day

**4. Rainfall March:**

Average (1914 - 2023):	159.4 mm
Actual Rainfall to Date	54.8 mm (34% of monthly average)

**5. Rainfall: Sep 1- Mar 10**

Average (1914 - 2023):	1,308.1 mm
2023/2024	1,124.4 mm (86% of average)

**6. Water Conservation Action Required:**

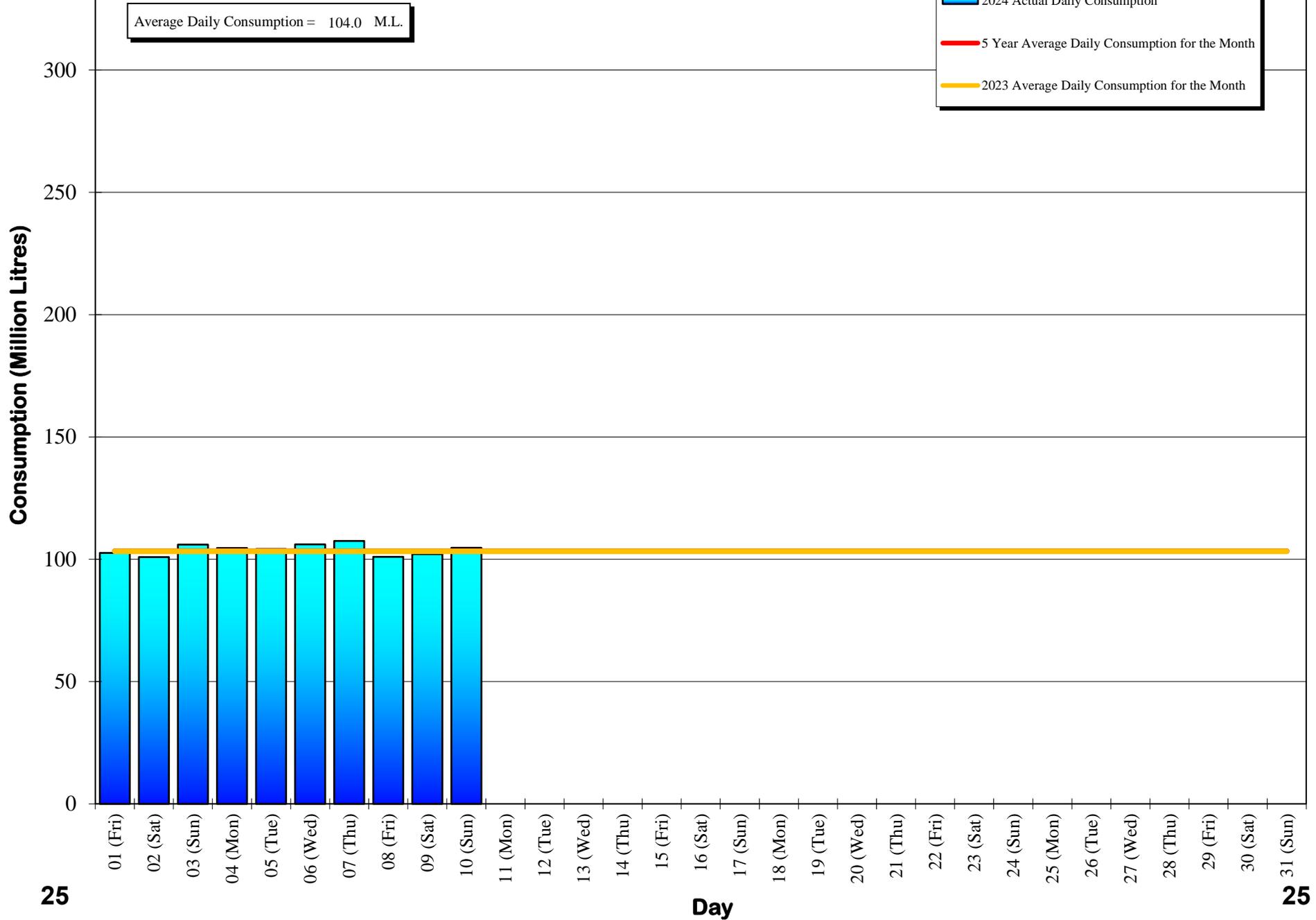
To avoid possible leaks this spring, now is the time to winterize your sprinkler system.  
Visit our website at [www.crd.bc.ca/water](http://www.crd.bc.ca/water) for more information.

If you require further information, please contact:

Alicia Fraser, P. Eng.  
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

## March 2024



## Daily Consumptions: - March 2024

Date	Total Consumption		Air Temperature @ Japan Gulch		Weather Conditions	Precipitation @ Sooke Res.: 12:00am to 12:00am			
	(ML) <sup>1</sup>	(MIG) <sup>2</sup>	High (°C)	Low (°C)		Rainfall (mm)	Snowfall <sup>3</sup> (mm)	Total Precip.	
01 (Fri)	102.6		22.6	4	1	Cloudy / Showers	2.8	0.0	2.8
02 (Sat)	100.9	<=Min	22.2	5	0	Cloudy / Showers	4.3	0.0	4.3
03 (Sun)	106.0		23.3	7	0	Cloudy / Showers	8.1	0.0	8.1
04 (Mon)	104.6		23.0	4	0	Cloudy / Showers / Sleet	11.9	5.1	12.4
05 (Tue)	104.2		22.9	5	-1	Sunny / P. Cloudy	0.0	0.0	0.0
06 (Wed)	106.1		23.3	3	0	Sunny / P. Cloudy	0.0	0.0	0.0
07 (Thu)	107.5	<=Max	23.6	6	-1	Cloudy	0.0	0.0	0.0
08 (Fri)	101.0		22.2	6	2	Cloudy / Showers	12.2	0.0	12.2
09 (Sat)	102.1		22.5	10	3	Cloudy / Showers	7.4	0.0	7.4
10 (Sun)	104.7		23.0	10	4	Cloudy / P. Sunny / Showers	7.6	0.0	7.6
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)									
<b>TOTAL</b>	1039.7 ML	228.72 MIG					54.3	5	54.8
<b>MAX</b>	107.5	23.64	10	4			12.2	5	12.4
<b>AVG</b>	104.0	22.87	6.0	0.8			5.4	1	5.5
<b>MIN</b>	100.9	22.20	3	-1			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 March (1914-2023)	159.4 mm
Actual Rainfall: March	54.8 mm
% of Average	34%
Average Rainfall (1914-2023): Sept 01 - Mar 10	1,308.1 mm
Actual Rainfall (2023/24): Sept 01 - Mar 10	1,124.4 mm
% of Average	86%

Number days with precip. 0.2 or more
7

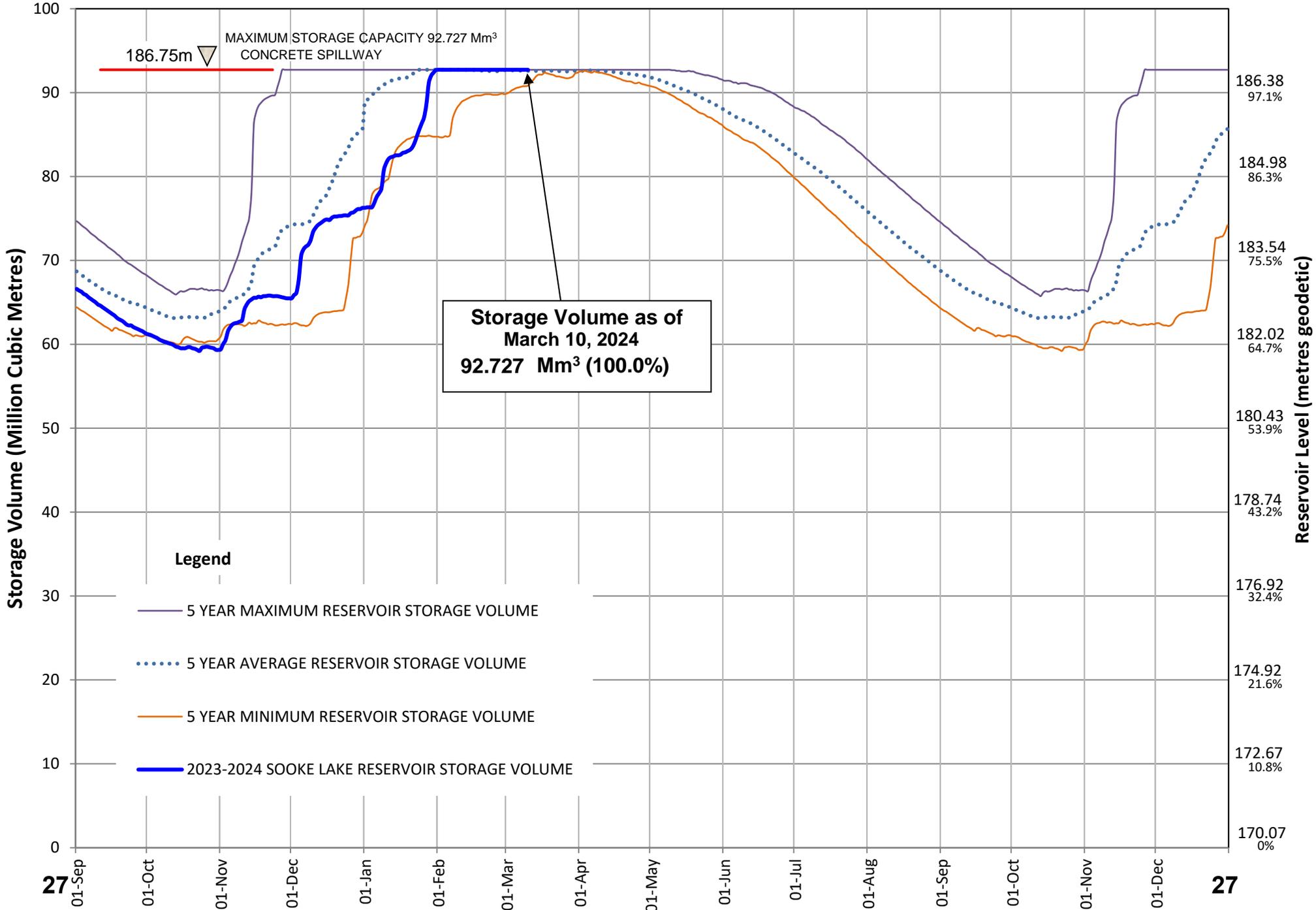
Water spilled at Sooke Reservoir to date (since Sept. 1) = 1.64 Billion Imperial Gallons  
 = 7.50 Billion Litres

# SOOKE LAKE RESERVOIR STORAGE SUMMARY

2023 / 2024

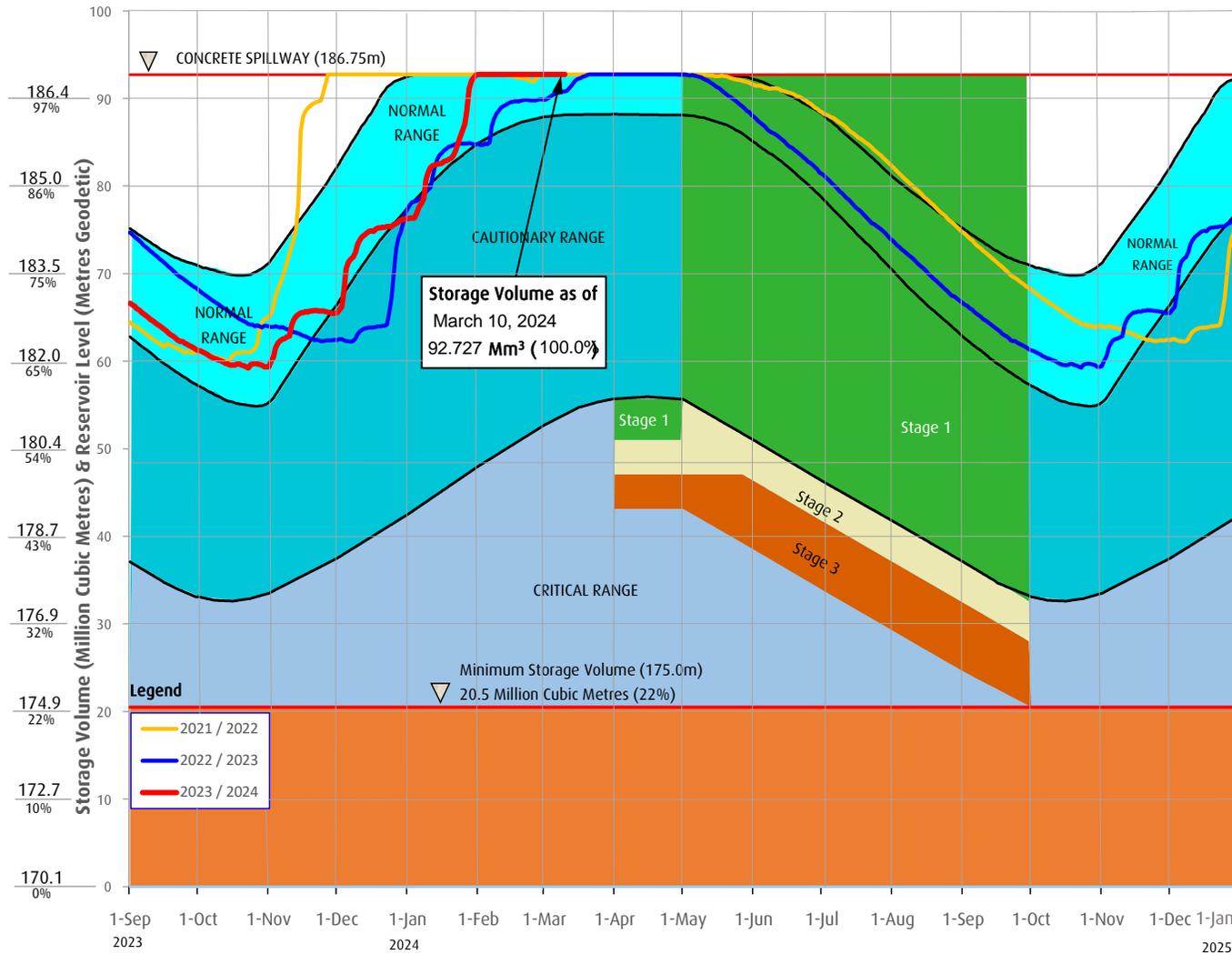
27

27



# 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](http://www.crd.bc.ca/drinkingwater)



# Useable Reservoir Volumes in Storage for March 10, 2024

