

**METRO VANCOUVER REGIONAL DISTRICT  
WATER COMMITTEE**

**REGULAR MEETING**

**February 11, 2021**

**9:00 am**

**28<sup>th</sup> Floor Boardroom, 4730 Kingsway, Burnaby, British Columbia**

**A G E N D A<sup>1</sup>**

**1. ADOPTION OF THE AGENDA**

**1.1 February 11, 2021 Regular Meeting Agenda**

That the Water Committee adopt the agenda for its regular meeting scheduled for February 11, 2021 as circulated.

**2. ADOPTION OF THE MINUTES**

**2.1 January 21, 2021 Regular Meeting Minutes**

That the Water Committee adopt the minutes of its regular meeting held January 21, 2021 as circulated.

**3. DELEGATIONS**

**4. INVITED PRESENTATIONS**

**5. REPORTS FROM COMMITTEE OR STAFF**

**5.1 Manager's Report**

That the Water Committee receive for information the report dated January 19, 2021 titled "Manager's Report".

**6. INFORMATION ITEMS**

**6.1 Climate 2050 Discussion Paper on Water and Wastewater Infrastructure**

**7. OTHER BUSINESS**

**8. BUSINESS ARISING FROM DELEGATIONS**

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<sup>1</sup> Note: Recommendation is shown under each item, where applicable.

**9. RESOLUTION TO CLOSE MEETING**

*Note: The Committee must state by resolution the basis under section 90 of the Community Charter on which the meeting is being closed. If a member wishes to add an item, the basis must be included below.*

That the Water Committee close its regular meeting scheduled for February 11, 2021 pursuant to the *Community Charter* provisions, Section 90 (1) (e), (g) and (i) as follows:

- "90 (1) A part of the meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:
- (e) the acquisition, disposition or expropriation of land or improvements, if the board or committee considers that disclosure could reasonably be expected to harm the interests of the regional district;
  - (g) litigation or potential litigation affecting the regional district; and
  - (i) the receipt of advice that is subject to solicitor-client privilege, including communications necessary for that purpose."

**10. ADJOURNMENT/CONCLUSION**

That the Water Committee adjourn/conclude its regular meeting of February 11, 2021.

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Membership:

Brodie, Malcolm (C) – Richmond  
Elford, Doug (VC) – Surrey  
Asmundson, Brent – Coquitlam  
Baird, Ken - Tsawwassen First Nation  
Bell, Don - North Vancouver City

Bligh, Rebecca – Vancouver  
Clark, Carolina – Belcarra  
Dingwall, Bill - Pitt Meadows  
Guichon, Alicia - Delta

Keithley, Joe – Burnaby  
Martin, Gayle - Langley City  
Svendsen, Ryan - Maple Ridge  
Vagramov, Rob - Port Moody

**METRO VANCOUVER REGIONAL DISTRICT  
WATER COMMITTEE**

Minutes of the Regular Meeting of the Metro Vancouver Regional District (MVRD) Water Committee held at 9:01 a.m. on Thursday, January 21, 2021 in the 28<sup>th</sup> Floor Boardroom, 4730 Kingsway, Burnaby, British Columbia.

**MEMBERS PRESENT:**

Chair, Mayor Malcolm Brodie\*, Richmond  
Vice Chair, Councillor Doug Elford\*, Surrey  
Councillor Brent Asmundson\*, Coquitlam  
Chief Ken Baird\*, Tsawwassen  
Councillor Don Bell\*, North Vancouver City  
Councillor Rebecca Bligh\*, Vancouver  
Councillor Carolina Clark\*, Belcarra  
Mayor Bill Dingwall\*, Pitt Meadows  
Councillor Alicia Guichon\*, Delta  
Councillor Joe Keithley\*, Burnaby  
Councillor Gayle Martin\*, Langley City (arrived at 9:03 a.m.)  
Councillor Ryan Svendsen\*, Maple Ridge

**MEMBERS ABSENT:**

Mayor Rob Vagramov, Port Moody

**OTHERS PRESENT:**

Director Sav Dhaliwal\*, Board Chair and Ex Officio committee member

**STAFF PRESENT:**

Marilyn Towill, General Manager, Water Services  
Amelia White, Legislative Services Coordinator, Board and Information Services

**OPENING REMARKS**

Director Sav Dhaliwal, Board Chair and Ex Officio committee member, acknowledged the contributions of the Metro Vancouver Standing Committee members in what has been a challenging time for the region due to COVID-19 pandemic and recognized the vital role this Committee will play in moving forward.

9:03 a.m. Councillor Martin arrived at the meeting.

\*denotes electronic meeting participation as authorized by Section 3.6.2 of the *Procedure Bylaw*

**1. ADOPTION OF THE AGENDA**

**1.1 January 21, 2021 Regular Meeting Agenda**

**It was MOVED and SECONDED**

That the Water Committee adopt the agenda for its regular meeting scheduled for January 21, 2021 as circulated.

**CARRIED**

**2. ADOPTION OF THE MINUTES**

**2.1 November 12, 2020 Regular Meeting Minutes**

**It was MOVED and SECONDED**

That the Water Committee adopt the minutes of its regular meeting held November 12, 2020 as circulated.

**CARRIED**

**3. DELEGATIONS**

No items presented.

**4. INVITED PRESENTATIONS**

No items presented.

**5. REPORTS FROM COMMITTEE OR STAFF**

**5.1 2021 Water Committee Priorities and Work Plan**

Report dated January 6, 2021, from Marilyn Towill, General Manager, Water Services, providing the Committee with an overview of the 2021 priorities and work plan items.

**It was MOVED and SECONDED**

That the Water Committee endorse the work plan as presented in the report dated January 6, 2021 titled "2021 Water Committee Priorities and Work Plan".

**CARRIED**

**5.2 Water Meter Upgrade Program**

Report dated January 7, 2021, from Lucas Pitts, Director, Policy, Planning and Analysis, Water Services, and Farshad Mortazavi, Senior Project Engineer, Water Services, providing a progress update on the Water Meter Upgrade Program and associated water meter installation projects.

Members were provided a presentation on the water metering upgrade program.

**It was MOVED and SECONDED**

That the Water Committee receive for information the report dated January 7, 2021 titled "Water Meter Upgrade Program".

**CARRIED**

Presentation material titled "Water Meter Upgrade Program" is retained with the January 21, 2021 Water Committee agenda.

**5.3 Manager's Report**

Report dated January 6, 2021, from Marilyn Towill, General Manager, Water Services, providing members an update on various on-going and upcoming projects, and programs.

**It was MOVED and SECONDED**

That the Water Committee receive for information the report dated January 6, 2021 titled "Manager's Report".

**CARRIED**

**6. INFORMATION ITEMS**

No items presented.

**7. OTHER BUSINESS**

No items presented.

**8. BUSINESS ARISING FROM DELEGATIONS**

No items presented.

**9. RESOLUTION TO CLOSE MEETING**

**It was MOVED and SECONDED**

That the Water Committee close its regular meeting scheduled for January 21, 2021 pursuant to the *Community Charter* provisions, Section 90 (1) (e) and (g) as follows:

- "90 (1) A part of the meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:
- (e) the acquisition, disposition or expropriation of land or improvements, if the board or committee considers that disclosure could reasonably be expected to harm the interests of the regional district;
  - (g) litigation or potential litigation affecting the regional district."

**CARRIED**

**10. ADJOURNMENT/CONCLUSION**

**It was MOVED and SECONDED**

That the Water Committee adjourn its regular meeting of January 21, 2021.

**CARRIED**

(Time: 9:32 a.m.)

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Amelia White,  
Legislative Services Coordinator

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Malcolm Brodie, Chair

43394823 FINAL

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To: Water Committee

From: Marilyn Towill, General Manager, Water Services

Date: January 19, 2021

Meeting Date: February 11, 2021

Subject: **Manager's Report**

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## RECOMMENDATION

That the Water Committee receive for information the report dated January 19, 2021 titled "Manager's Report".

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### 1. Tsawwassen First Nation drinking water samples processed by MV Laboratory

On January 21, 2021 Tsawwassen First Nation (TFN) began sending their drinking water samples to the Metro Vancouver Laboratories for microbial, physical and chemical analyses. TFN will also participate in quarterly and semi-annual testing in accordance to the *Water Quality Monitoring and Reporting Plan for Metro Vancouver and Local Government Members*. Prior to 2021, TFN sent their drinking water samples to a private laboratory for analyses.

Drinking water samples from all members of the GVWD are now being processed by the Metro Vancouver laboratories for inclusion in the GVWD Water Quality Annual Reports.

This service is included in the water rates paid by member jurisdictions.

### 2. Industrial Water Usage in the City of Vancouver

A question at the Water Committee meeting held on November 12, 2020, asked staff to further explore the increase in industrial water usage in the City of Vancouver. Metro Vancouver staff reached out to the City of Vancouver and it was re-affirmed that although there has been an observed increase in water use when comparing 2019-2020 data, they are not able to provide definitive conclusions on the possible reasons for that increase at this time. Vancouver staff did caution that industrial water usage only makes up 4% of their total water use and can fluctuate from month to month.

Water use data will be collected from member jurisdictions by Metro Vancouver in early 2021 and incorporated into the update to the Water Use By Sector report which will be brought to the Water Committee later this year. Further review of changes in water use will be done as part of preparation of the report.

### 3. Work Plan

#### Attachment

Water Committee 2021 Work Plan

**Water Committee 2021  
Work Plan**

**Priorities**

<b>1st Quarter</b>	<b>Status</b>
Annual Energy Management Program Update	Pending
Capilano Hydropower Project Business Case Update	Pending
Corrosion Control Program – Copper Pipes Protection	Pending
Long Term Financial Plan	Pending
Residential Water Metering – Overview of Local Experience	Pending
Water Meter Replacement Program	Complete
Contract Approvals – Contracts > \$5 Million (as applicable)	Pending
Water Policies (as applicable)	Pending
<b>2nd Quarter</b>	
Coquitlam Lake Water Supply Project Update	Pending
Drinking Water Customer Information Guide	Pending
Drinking Water Management Plan Update	Pending
First Nation Engagement Updates	Pending
GVWD Water Quality Annual Report	Pending
Lawn Water Regulations Communication & Regional Water Conservation Campaign	Pending
Seymour Salmonid Society 2020 Annual Report	Pending
Status of GVWD Capital Expenditures	Pending
Water Services Wildfire Preparedness Update	Pending
Water Supply Update for Summer 2021	Pending
Water Use-by-Sector Report	Pending
Contract Approvals – Contracts > \$5 Million (as applicable)	Pending
Water Policies (as applicable)	Pending
<b>3rd Quarter</b>	
Annual Dam Safety Program Update	Pending
Status of GVWD Capital Expenditures	Pending
Quality Management System for Drinking Water Update	Pending
Contract Approvals – Contracts > \$5 Million (as applicable)	Pending
Water Policies (as applicable)	Pending
<b>4th Quarter</b>	
Annual Budget and 5-year Financial Plan – Water Services	Pending
Environmental Management Framework	Pending
Regional Water Conservation Campaign and Water Regulations Communications 2021	Pending
Regional Water Supply System Seismic Resiliency Study	Pending
Status of GVWD Capital Expenditures	Pending
Summer 2021 Water Supply Performance	Pending
Watershed Fisheries Initiatives Annual Update	Pending
Contract Approvals – Contracts > \$5 Million (as applicable)	Pending
Water Policies (as applicable)	Pending



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To: Water Committee

From: Jesse Montgomery, Division Manager, Environmental Management, Water Services  
Dana Zheng, Program Manager, Policy, Planning and Analysis, Liquid Waste Services

Date: January 26, 2021 Meeting Date: February 11, 2021

Subject: ***Climate 2050 Discussion Paper on Water and Wastewater Infrastructure***

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The attached report dated October 16, 2020 titled, “*Climate 2050 Discussion Paper on Water and Wastewater Infrastructure*” was considered by the Climate Action Committee at its meeting on November 13, 2020, and was received by the Metro Vancouver Regional District Board for information at its meeting on November 27, 2020. This report is presented to the Water Committee for its information only. A parallel report is being provided to the Liquid Waste Committee at its February 11, 2021 meeting.

The discussion paper has been finalized and published on Metro Vancouver’s website (Reference).

**Attachment**

“*Climate 2050 Discussion Paper on Water and Wastewater Infrastructure*”, Climate Action Committee report dated October 16, 2020 (41707408)

**Reference**

[\*Water and Wastewater Infrastructure Discussion Paper, January 2021\*](#)

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To: Climate Action Committee

From: Dana Zheng, Program Manager, Source Control, Liquid Waste Services  
Jesse Montgomery, Division Manager, Environmental Management, Water Services  
Sheryl Cumming, Project Engineer, Parks and Environment

Date: October 16, 2020 Meeting Date: November 13, 2020

Subject: ***Climate 2050 Discussion Paper on Water and Wastewater Infrastructure***

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## RECOMMENDATION

That the Climate Action Committee receive for information the report dated October 16, 2020, titled "*Climate 2050 Discussion Paper on Water and Wastewater Infrastructure*".

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## EXECUTIVE SUMMARY

In October 2019, the MVRD Board directed staff to begin an engagement process for a series of issue area discussion papers to support developing the *Climate 2050 Roadmaps*. Staff have developed a draft discussion paper on climate change issues related to managing water and wastewater infrastructure, including ways to reduce greenhouse gas emissions and adapt to a changing climate. This discussion paper will support public, stakeholder and government engagement for *Climate 2050* and the upcoming updates to the *Drinking Water Management Plan* and the *Liquid Waste Management Plan*. The draft *Climate 2050 Discussion Paper on Water and Wastewater Infrastructure* is being presented to the Climate Action Committee for information, and feedback provided will be incorporated into the final paper.

## PURPOSE

To provide the Climate Action Committee with information about the *Climate 2050 Discussion Paper on Water and Wastewater Infrastructure* to support development of the *Climate 2050 Roadmaps* and updates to the *Drinking Water Management Plan* and the *Liquid Waste Management Plan*.

## BACKGROUND

*Climate 2050* is an overarching long-term strategy that will guide our region's policies and collective actions to transition to a carbon neutral and resilient region over the next 30 years. Metro Vancouver is implementing *Climate 2050* through ten issue area Roadmaps, which will describe long-term goals, targets, strategies and actions to reduce regional greenhouse gases and ensure that this region is resilient to climate change impacts. Implementation of the Roadmaps will be driven by Metro Vancouver's management plans and other policies, including the upcoming updates to the *Drinking Water Management Plan* and the *Liquid Waste Management Plan*.

On October 4, 2019, the MVRD Board directed staff to begin an engagement process for a series of issue area discussion papers to support developing the *Climate 2050 Roadmaps*. Discussion papers for buildings, industry, transportation, agriculture, nature and ecosystems, and waste management were presented to the Climate Action Committee and MVRD Board in 2019 and 2020.

This report presents the draft *Climate 2050* Discussion Paper on Water and Wastewater Infrastructure (see Attachment), which will support engagement on greenhouse gas reduction and climate adaptation.

### **WATER AND WASTEWATER INFRASTRUCTURE DISCUSSION PAPER**

The *Climate 2050* Discussion Paper on Water and Wastewater Infrastructure includes long-term goals (i.e., with expected achievement by 2050) for greenhouse gas reduction and climate change adaptation, as shown below.

- Water infrastructure and operations aims to be carbon neutral.
- Wastewater infrastructure and operations aims to be better than carbon neutral.
- Water and wastewater infrastructure is resilient to the impacts of climate change, including high temperatures, severe weather, floods, wildfire impacts and supply chain disruptions.

The discussion paper includes example metrics, targets, actions and big ideas from other jurisdictions, to support discussions to identify targets and actions for this region. The paper also outlines expected climate hazards for the region's water and wastewater infrastructure. Feedback provided by the Committee will be reflected into the final discussion paper, on which public input will be sought.

### **Water and Wastewater Infrastructure Engagement Activities**

Metro Vancouver is planning activities to engage the public, stakeholders, and other governments, about climate action in the water and wastewater infrastructure issue area, including but not limited to:

- present to the Water Committee and the Liquid Waste Committee;
- present to the Regional Engineers Advisory Committee and its sub-committees;
- seek public and stakeholder input through a questionnaire and webinar; and
- communicate feedback opportunities on the Metro Vancouver website and promote on social media.

Additional engagement activities will be considered as Metro Vancouver continues to adapt to the challenges associated with COVID-19.

Engagement is intended to provide sufficient opportunity to interested parties to learn about the *Climate 2050 Roadmaps* and to provide feedback. Details on engagement will be available on the *Climate 2050* website (see Reference) and will be promoted using social media, newsletters, professional associations and similar.

### **ALTERNATIVES**

This is an information report. No alternatives are presented.

### **FINANCIAL IMPLICATIONS**

The overall resources required to develop and engage on *Climate 2050 Roadmaps* have been approved in program budgets for 2020 and 2021, including staff time, to support the engagement process and evaluation of the climate and air quality impacts of proposed actions. Alignment of engagement activities and deliverables with the development of the *Climate 2050 Roadmaps* and other management plans (i.e., in this case, updates to the Drinking Water Management Plan and the

Liquid Waste Management Plan) is intended to make the best use of resources available, as well as minimize time commitments for interested parties providing feedback.

## **CONCLUSION**

Metro Vancouver is implementing *Climate 2050*, a long-term strategy to achieve a carbon neutral and resilient region over the next 30 years. A series of issue area discussion papers is being developed to provide an engagement tool to support developing the *Climate 2050 Roadmaps*.

The draft discussion paper presented here on the water and wastewater infrastructure issue area identifies goals, hazards, and example targets and actions for climate change adaptation and greenhouse gas reduction. Feedback from the public, stakeholders, and other governments will support the development of the *Climate 2050 Roadmaps*.

## **Attachment**

*Climate 2050 Discussion Paper on Water and Wastewater Infrastructure (41918909)*

## **Reference**

[www.metrovancouver.org/climate2050](http://www.metrovancouver.org/climate2050)

41707408