

For Metro Vancouver meetings on Friday, July 30, 2021

Please note these are not the official minutes. Board in Brief is an informal summary. Material relating to any of the following items is available on request from Metro Vancouver. For more information, please contact: Jennifer Saltman at jennifer.saltman@metrovancouver.org or 604-314-5964.

Metro Vancouver Regional District

E1.1 Local Government Responses to the Discovery of an Unmarked Burial Site Near Kamloops Indian Residential School **APPROVED**

The Board authorized the chair to write to the Prime Minister, urging the federal government to fully implement the Truth and Reconciliation Commission's Calls to Action attributed to the Government of Canada, particularly any additional supports needed to address Calls to Action 71 to 76 relating to information on missing residential school children and burial records.

E2.1 Municipal Director Appointment Process **APPROVED**

The Board will ask the Ministry of Municipal Affairs to amend the *Local Government Act*, section 198 (appointment and term of office for municipal directors), as necessary to require municipal councils to appoint the mayor, or the mayor's designate, as municipal director to the regional district board.

E3.1 Colony Farm Regional Park — Colony Farm Park Association Contribution Agreement **APPROVED**

The 2021-2025 Metro Vancouver Regional Parks five-year financial plan includes annual allocations in 2022 for seven park associations active in regional parks. Funding will be used to support opportunities for citizens to help preserve, protect, and enhance regional parks, while advocating for greater public connection to nature.

This contribution agreement proposes a one-year funding amount of \$10,000 for the Colony Farm Park Association. The association has chosen to continue with a one-year contribution agreement because they are currently undertaking long-term strategic planning for future program delivery and managing services during the ongoing COVID-19 pandemic. The proposed funding supports the association's capacity to provide community benefit to Metro Vancouver Regional Parks through its many volunteer programs and services.

The Board approved the contribution agreement between the Metro Vancouver Regional District and the Colony Farm Park Association for a one-year term in the amount of \$10,000 commencing January 1, 2022 and ending December 31, 2022.

E3.2 Kanaka Creek Regional Park — Kanaka Education and Environmental Partnership Society Contribution Agreement **APPROVED**

The 2021-2025 Metro Vancouver Regional Parks five-year financial plan includes annual allocations in 2022 for seven park associations active in regional parks. Funding will be used to support opportunities for citizens to help preserve, protect and enhance regional parks, while advocating for greater public connection to nature.

This contribution agreement proposes a three-year funding amount of \$15,000 per year for the Kanaka Education and Environmental Partnership Society. The proposed funding supports the society's capacity to provide community benefit to Metro Vancouver Regional Parks through their many volunteer programs and services.

The Board approved the contribution agreement between the Metro Vancouver Regional District and the Kanaka Education and Environmental Partnership Society for a three-year term in the aggregate amount of \$45,000 (\$15,000 each year), commencing January 1, 2022 and ending December 31, 2024.

E3.3 Pacific Spirit Park — Pacific Spirit Park Society Contribution Agreement

APPROVED

The 2021-2025 Metro Vancouver Regional Parks five-year financial plan includes annual allocations in 2022 for seven park associations active in regional parks. Funding will be used to support opportunities for citizens to help preserve, protect and enhance regional parks, while advocating for greater public connection to nature.

This contribution agreement proposes a three-year funding amount of \$15,000 per year for the Pacific Spirit Park Society. The proposed funding supports the society's capacity to provide community benefit to Metro Vancouver Regional Parks through their many volunteer programs and services.

The Board approved the contribution agreement between the Metro Vancouver Regional District and the Pacific Spirit Park Society for a three-year term in the aggregate amount of \$45,000 (\$15,000 each year), commencing January 1, 2022 and ending December 31, 2024.

E4.1 Metro Vancouver's Achievement of Carbon Neutrality in 2020

RECEIVED

As a signatory to the *B.C. Climate Action Charter*, Metro Vancouver has been reporting its climate actions and carbon neutrality status for the past 10 years since the beginning of the Climate Action Revenue Incentive Program (CARIP). In May 2021, the province announced the cancellation of CARIP, with the 2020 reporting requirements marking the last year of the program. Although CARIP reporting is not a requirement for 2020, Metro Vancouver has completed a report on a voluntary basis.

Metro Vancouver has achieved corporate carbon neutrality for 2020, which is the second year in a row, building on its 2019 carbon neutral status. Carbon neutrality is assessed in accordance with the Charter and the associated *Provincial Carbon Neutral Local Government Framework*. The report highlights Metro Vancouver's actions to adapt to the changing climate as well as to reduce greenhouse gas emissions, and quantifies Metro Vancouver's net corporate carbon footprint. This report demonstrates leadership on climate action and a call for additional action that is needed to extend carbon neutrality from the corporation to the region as a whole by 2050, as set out in the Climate 2050 Roadmaps.

The Board received the report for information.

E4.2 Proposed Updates to the Sustainability Innovation Fund Policies

APPROVED

The Sustainability Innovation Fund (SIF) program allows Metro Vancouver to address critical climate challenges, meet strategic objectives, and pilot innovative ideas. Sustainability Innovation Fund projects

touch on areas such as the circular economy, resource recovery, emissions reduction and environmental protection.

Following direction from the Climate Action Committee, staff are bringing forward proposed updates to the SIF policies to strengthen and amplify the positive outcomes of the program. To address the stagnant annual contribution to the fund, Financial Services will develop and annually update a contribution schedule to ensure the fund is able to support future projects.

Starting in 2024, staff propose that Financial Services gradually phase in an increase in the contribution amount to each of the SIF reserves. Annual contributions will not exceed one per cent of the respective legal entity's operating budget and a maximum amount in the fund will be set at \$25 million, indexed to inflation.

The Board approved the proposed updates to the Regional District Sustainability Innovation Fund with an amendment to make it subject to the annual budget approval.

E4.3 Next Phase of Engagement on a Cannabis Production and Processing Emission Regulation **APPROVED**

In 2019, Metro Vancouver staff initiated consultation with stakeholders on regulatory proposals to manage emissions of volatile organic compounds (VOC) from cannabis production and processing facilities. This was followed by additional engagement with key stakeholders, from November 2020 through March 2021, to facilitate development of a common understanding of key issues and potential solutions.

Cannabis production and processing is potentially a significant additional source of VOC emissions in the airshed that warrant similar levels of control to other regulated sources to ensure that ground level ozone issues are not exacerbated. Based on stakeholder feedback, the regulatory proposals have been adjusted and would include requirements related to an emission management plan, emission control requirements, a complaints and officer observation response plan, records and reporting, and a minimum distance between new cannabis production and processing facilities and hospitals, schools and other sensitive receptors.

The Board authorized staff to proceed with the next phase of engagement.

E4.4 Board Appointment of Enforcement Officers **APPROVED**

Recent changes in staff have resulted in a need to update staff appointments as MVRD Board designated officers under the *Greater Vancouver Regional District Air Quality Management Bylaw 1082, 2008*, the *Environmental Management Act* and the *Offence Act*.

The Board:

- pursuant to the *Greater Vancouver Regional District Air Quality Management Bylaw 1082, 2008* and the *Environmental Management Act*:
 - appointed Metro Vancouver employees Eugene Lee and Rei Van as officers; and

- pursuant to section 28 of the Offence Act:
 - appointed Metro Vancouver employees Eugene Lee and Rei Van for the purpose of serving summons under section 28 of the *Offence Act* for alleged violations under the *Greater Vancouver Regional District Air Quality Management Bylaw 1082, 2008*.

G1.1 MFA Fall 2021 Borrowing for Surrey — MVRD Security Issuing Bylaw No. 1323, 2021 **APPROVED**

As set out in the *Community Charter*, the Metro Vancouver Regional District must adopt a security issuing bylaw in order to enable the City of Surrey to proceed with its long-term borrowing request of \$150.6 million. This borrowing relates to three infrastructure projects. The city's total estimated annual debt-servicing costs for existing and new proposed debt combined is approximately \$25 million, which is roughly 12.4 per cent of its overall liability servicing limit and 61.9 per cent of the approval-free liability threshold. Surrey has met the regulatory requirements and has the legislative authority to undertake the planned infrastructure borrowing. The proposed *Metro Vancouver District Security Issuing Bylaw No. 1323, 2021* will authorize the City of Surrey's borrowing request.

The Board gave consent to the request for financing from the City of Surrey in the amount of \$150.6 million pursuant to Sections 182(1)(b) and 182(2)(a) of the *Community Charter*; gave first, second, third and final readings to and adopted *Metro Vancouver Regional District Security Issuing Bylaw No. 1323, 2021*; and forwarded it to the Inspector of Municipalities for Certificate of Approval.

G2.1 Board and Committee Electronic Meetings — Next Steps **APPROVED**

During the pandemic, local governments have been authorized to hold electronic meetings under the authority of the *COVID Related Measures Act*, including Ministerial Order M192. With Ministerial Order M192 set to expire September 28, 2021, an amendment to the *Metro Vancouver Regional District Procedure Bylaw* will be required if the Board wishes to maintain the ability for Board members and Committee members to meet by electronic means. This report provides an opportunity for the Board to provide feedback on key considerations for electronic meetings — criteria for types of meetings that qualify, authorization required to participate and limits on participation — that will give staff direction on an appropriate amending bylaw.

The Board directed staff to bring forward amendments to the *Metro Vancouver Regional District Procedure Bylaw* with consideration for electronic meetings and participation by board and committee members at those meetings.

G2.2 MVRD Mosquito Control Service Amending Bylaw No. 1320 Final Adoption **APPROVED**

The MVRD provides the service of preventing and abating the nuisance caused by mosquitoes to five service area participants: Coquitlam, Maple Ridge, Pitt Meadows, Langley Township and Surrey. Richmond has requested to join the Metro Vancouver Nuisance Mosquito Control Program service.

An amendment to the service bylaw is required to add Richmond as a new participant in the service, which requires service area consent and Inspector of Municipalities approval. Both prerequisites have been satisfied, and adoption of the amending bylaw can be considered by the Board.

The Board passed and adopted *Metro Vancouver Regional District Regional Mosquito Control Service Amending Bylaw No. 1320, 2021*.

I 1 Committee Information Items and Delegation Summaries

RECEIVED

The Board received information items from Standing Committees.

Regional Culture Committee – June 23, 2021

Information Items:

5.1 Metro Vancouver Regional Culture Project Grants: Adjudication Process

Metro Vancouver's annual regional culture project grants, funded from the Cultural Grants Reserve, support region-serving arts and culture projects. Similar to the 2020 grants, the allocation of this year's grants will factor in additional considerations related to COVID-19 impacts and adapted project delivery resilient to evolving public health measures. Staff will undertake an initial review of all received applications and present shortlisted applications for adjudication by the Committee. At the July 21, 2021 meeting, applications will be discussed and a recommendation will be made on the grant award for each successful proponent to a cap of \$10,000 per project. As part of Metro Vancouver's restart and recovery support from the Province of BC's "COVID-19 Safe Restart Grant for Local Governments," the 2021 Regional Culture Project Grants include a one-time increase of \$150,000 for a total disbursement of \$300,000.

Performance and Audit Committee – July 7, 2021

Information Items:

5.2 Capital Program Expenditure Update as at April 30, 2021

Updates on the capital program and its expenditures are brought to the Committee to keep members informed on Metro Vancouver's financial performance. This is the first report for the 2021 fiscal year and covers the first four months ending April 30, 2021. For the first four months of 2021, Metro Vancouver's capital expenditures were underspent by approximately \$361.5 million of the prorated budget on a linear basis. Much of this variance represents a timing difference and is expected to catch up by year end. Any surplus resulting from capital program variance at the end of the year will be utilized as per the Board approved Operating, Statutory and Discretionary Reserves Policy.

5.3 Interim Financial Performance Report – April 2021

The projected overall operational results for 2021 for Metro Vancouver's functions is close to \$21.6 million on an approved budget of \$943.8 million (or slightly less than 2.3 per cent of the approved budget.) Historically, Metro Vancouver has observed an operating surplus in the range of three to five per cent per annum. As we move from the recent COVID-19 pandemic events of 2020 into the current year, and alongside the ratepayers and the residents and businesses of the region, Metro Vancouver is continuing to face some extraordinary circumstances and financial pressures as a result of the COVID-19

pandemic event. As the year progresses and financial impacts to Metro Vancouver are monitored, work plans will be adjusted as may be required to adapt to the changing circumstances along with any substantial financial pressures that might arise to minimize financial impacts to the final results, while also examining all opportunities for mitigation while maintaining service levels.

5.4 Investment Position and Returns – March 1, 2021 to May 31, 2021

The annualized return for Metro Vancouver’s investment portfolio in 2021 at the end of May was 1.03 per cent for short term, 2.18 per cent for long term and 2.26 per cent for the Cultural Reserve Fund. Investment performance has met expectations for the current period. Due to the timing of the committee meeting, results and balance information cover a three-month period from March through May. Interest rates are expected to remain low for the balance of the year. Metro Vancouver’s overall rate of return will continue to be pressed lower in the near term as a significant portion of the portfolio is kept in short-term products and held in cash for liquidity.

5.5 Tender/Contract Award Information – March 2021 to May 2021

During the period March 1, 2021 and May 31, 2021, the Purchasing and Risk Management Division issued 15 new contracts, each with a value in excess of \$500,000 (exclusive of taxes). In addition, there were six existing contracts requiring contract amendments which necessitate further reporting to the Performance and Audit Committee. All awards and amendments were issued in accordance with the *Officers and Delegation Bylaws 1208, 284 and 247 – 2014* and the Procurement and Real Property Contracting Authority Policy.

Indigenous Relations Committee – July 8, 2021

Information Items:

5.1 Quarterly Report on Reconciliation Activities

This report provides a summary of reconciliation events and activities undertaken by Metro Vancouver over the past several months as well as information on upcoming events and activities over the next few months.

Regional Parks Committee – July 14, 2021

Information Items:

5.4 Draft Regional Parks 2022-2026 Capital Plan

The draft 2022-2026 Regional Parks Capital Plan has been prepared following direction received at the April 8, 2021 Metro Vancouver Board budget workshop. As part of Metro Vancouver’s focus on enhancing transparency and governance, the capital plan was provided to the Regional Parks Committee for feedback in advance of final budget preparation and presentation to the Committee and Board in the fall. The estimated 2022 Capital Cash Flow is \$31.6 million, with a total estimated spend of \$163.3 million over the five years. This is a \$28-million, or 26.7-per-cent, change from last year’s five-year capital plan.

This change is due to accelerated greenway initiatives following MVRD Board approval of *Regional Greenways 2050*, increased investment in park carrying capacity and visitor experience, and advance planning and cost estimates on major projects.

Climate Action Committee – July 16, 2021

Information Items:

5.2 Modelling a Carbon Neutral Region: Project Report

Metro Vancouver has committed to becoming a carbon neutral region by 2050. As a first step towards understanding the potential impact of policies on greenhouse gas emissions reductions, staff undertook a modelling project that compares a business as planned scenario with a carbon neutral scenario. This information was considered by staff as the actions and strategies included in the *Climate 2050 Roadmaps* and *Clean Air Plan* were developed, and were used as an initial estimate of the potential impact of policies in those documents. The results show that while it is possible to achieve significant emissions reductions through the implementation of a set of aggressive but achievable policies, at this time, this scenario did not meet Metro Vancouver’s climate targets for 2030 or 2050. The results reaffirm the urgent need for climate action, and the need for a dynamic iterative process in continuing to add new actions as part of the *Climate 2050 Roadmaps*. The modelling was intended to focus on emission reductions, and additional analysis will likely be needed to support additional engagement and detailed implementation of many of these actions.

5.3 Highlights from Engagement on Draft Clean Air Plan

Metro Vancouver’s draft Clean Air Plan was released for comments April 1 to June 15, 2021. The aim of the engagement program was to seek comments from stakeholders and the public related to the goals, targets and actions in addition to equity, implementation and collaboration. The stakeholder engagement activities sought comments on actions related to buildings, industry, transportation and agriculture from businesses, agencies and others involved in these sectors. For the public, the focus was on outreach to youth and residents who have indicated an interest in climate action and air quality issues with a deliberate effort to expand the audience involved. There was also dialogue with other governments, including First Nations, member jurisdictions, provincial staff and related agencies. Engagement activities attracted about 1,000 public participants and generated more than 50 feedback forms and 35 direct emails. This report summarizes some of the prevalent themes from the engagement, and reflects the expected tension between audiences who want to see more action now, and those who feel it is too aggressive. The key issues identified were costs, duplication with other governments initiatives, collaboration, and ability of small businesses to adjust.

5.4 2021 Update on Regional District Sustainability Innovation Fund Projects

This report provides an update on 14 projects that were approved for funding in 2017 through to 2020 under the Sustainability Innovation Fund. Of the projects, two are reporting as complete, one is

discontinued and the remainder are in progress. Progress on many of the projects was slowed due to the COVID-19 pandemic.

5.7 Lower Fraser Valley Ambient Air Quality Monitoring Network Review 2021

Metro Vancouver commissioned a consultant to review its network of air quality monitoring stations. The review found that Metro Vancouver operates one of the most comprehensive ambient air quality monitoring networks in the world. The report identified 13 recommendations to further strengthen the network so that it continues to be world-leading. These recommendations include improving spatial coverage of the permanent monitoring network (including adding a station in the Surrey/White Rock area), integrating lower cost sensors and improvements in odour monitoring. These recommendations will be considered by staff as part of ongoing planning for network improvements. Metro Vancouver's new air quality management plan, the *Clean Air Plan*, has identified the need for the network to be reviewed every five to 10 years.

Metro Vancouver Housing Corporation

E1.1 Mortgage renewal at 4151 Regent Street, Richmond (Minato West) and Payout of mortgage at 95 St. Andrews Avenue, North Vancouver (St. Andrews Place) **APPROVED**

There are two MVHC-owned properties with mortgages up for renewal on October 1, 2021: Minato West, located at 4151 Regent St., Richmond, in the amount of \$2,635,728; and St. Andrews Place, located at 95 St. Andrews Ave., North Vancouver, in the amount of \$283,431. Canada Life, the current lender for both mortgages, is not investing in CMHC-backed mortgages at this time, therefore a new lender will be needed to refinance the existing mortgages. Prospective refinancing rates are 1.8 to 2.1 per cent on a five-year term and 2.5 to 2.9 per cent for a 10-year term.

The Board:

- authorized the MVHC to renew the mortgage for Minato West project located at 4151 Regent St., Richmond, through an external lender with the best overall terms;
- authorized the MVHC to extinguish the mortgage for St. Andrews Place project located at 95 St. Andrews Ave., North Vancouver, using reserves to pay out the remaining balance owing at the end of the mortgage term on October 1, 2021; and
- directed any two officers or directors, or any one director together with any one officer of the MVHC, for and on behalf of the MVHC be and are hereby authorized to execute and deliver under the seal of the MVHC or otherwise, all such deeds, documents and other writings and to do such acts and things in connection with the mortgage assignment, renewal, amendment and repayment of the mortgage as they, in their discretion, may consider to be necessary or desirable for giving effect to this resolution and for the purpose of fulfilling the requirements of the lender of the monies.

E1.2 Evaluation Criteria — Expression of Interest (Round 2) to Identify Member Lands for Metro Vancouver Housing Development **APPROVED**

The Metro Vancouver Housing 10-Year Plan sets a target for Metro Vancouver Housing to develop at least 1,350 new and redeveloped units over the next decade, at least 500 of which are targeted through partnerships on member lands.

In February 2020, Metro Vancouver Housing issued its first Expression of Interest (EOI) for member jurisdictions to submit municipally-owned land to lease or transfer to MVH at a nominal cost to develop affordable rental housing. Metro Vancouver Housing is planning to issue a second round EOI planned for fall 2021. This report presents slightly modified evaluation criteria for Committee and Board review and endorsement. Criteria have been modified to emphasize development readiness (i.e., pre-zoning) to support projects that can move forward quickly in a cost-effective manner and position projects well for provincial and/or federal funding support.

The Board endorsed the evaluation criteria as presented in the report.

E1.3 Award of Contract Resulting from Request for Proposal (RFP) No. 18-081: **RECEIVED**

Construction Management for Services and Construction (At-Risk) for Kingston Gardens Complex **APPROVED**

The Kingston Gardens Phase 1 Redevelopment is an 85-unit affordable rental development located at 15245 99 Ave. in Surrey. RFP No. 18-081 consisted of pre-construction and construction management at-risk services. The pre-construction services were awarded to Yellowridge Construction Ltd. (Yellowridge) in July 31, 2018. Following the completion of the detailed design, Yellowridge tendered the construction services with a total construction price of \$30,758,950. This fixed amount represents the construction management at-risk fee and the tendered construction costs.

The proposed construction price is within the project budget approved by the MVHC Board in May 2021. The recommended award is to the highest ranked proponent based on technical and financial components.

The Board:

- approved the award of a contract for an amount of \$30,758,950 (exclusive of taxes) to Yellowridge Construction Ltd. resulting from Request for Proposal (RFP) No. 18-081: Construction Management for Services and Construction (At-Risk) for Kingston Gardens Complex, subject to final review by the Chief Administrative Officer; and
- authorized the Chief Administrative Officer and Corporate Officer to execute the required documentation once the Chief Administrative Officer is satisfied that the award should proceed.

E1.4 Constructing a Metro Vancouver Housing Amenity Space to Support Food Security for Vulnerable Tenants Affected by the COVID-19 Pandemic **RECEIVED**

Metro Vancouver Housing, in partnership with Immigrant Link Centre Society, runs a free food program to support Metro Vancouver Housing's most vulnerable tenants. The program has positively contributed

to tenant well-being and overall household affordability throughout the pandemic by considerably reducing food costs. To support the expansion of this program, Metro Vancouver Housing will construct an amenity building on one of its housing sites where there is a need and demand for this service, but no space from which to safely operate. Metro Vancouver Housing will fund this construction through funding provided to Metro Vancouver through the provincial “COVID-19 Safe Restart Grants for Local Government.”

The Board received the report for information.

I 1 Committee Information Items and Delegation Summaries

RECEIVED

The Board received information items from Standing Committees.

Housing Committee – July 7, 2021

Information Items:

5.2 Draft Metro Vancouver Housing 2022-2026 Capital Development & Capital Maintenance Plans

The draft 2022-2026 Metro Vancouver Housing Capital Development and Capital Maintenance Plans have been prepared following direction received at the April 8, 2021 Metro Vancouver Board budget workshop and as part of Metro Vancouver’s focus on enhancing transparency and governance over the capital plan. This is a new step in our budget process for this year and the intent is for the Housing Committee to provide feedback and input that will be incorporated into the fall budget presentations to the Committees and Boards.

The draft 2022 capital development cash flow is \$48.3 million with a total estimated spend of \$441 million over the five years. The draft 2022 capital maintenance cash flow is \$9.9 million with a total estimated spend of \$72.9 million over the five years. The budget cycle-over-cycle development plan has increased by \$48.4 million (15.4 per cent) and the five-year capital maintenance plan has increased by \$14.1 million (32.4 per cent) from the corresponding years in the prior year capital plans.

5.3 Exploring Modular Housing Construction

The Metro Vancouver Housing 10-Year Plan seeks to strategically expand the Metro Vancouver Housing portfolio to create more affordable housing in the region. The Housing Committee requested that staff investigate and compare modular construction to more conventional on-site construction methods. This report explores the benefits and drawbacks of modular compared to conventional construction.

The analysis found that modular construction has a number of benefits including quality control, reduction in waste and the potential for a shorter construction schedule. Cost comparisons suggested higher hard costs, caused by a redundancy in the amount of material used to construct modules, as well as additional transportation of modules to site. However, this could potentially be offset by a shorter construction phase, which would result in less interest accrued in construction financing and faster renting. Modular construction is another viable construction option for MVH and will be explored as a preferred alternative during the feasibility stage of project development.

Greater Vancouver Water District

E1.1 Award of Contract Resulting from Request for Proposal (RFP) No. 20-054: Construction of Douglas Road Main No. 2 — Still Creek Section — Microtunnel **APPROVED**

Metro Vancouver is constructing Douglas Road Main No. 2 – Still Creek Section along Douglas Road, between Lougheed Highway and Canada Way, in the City of Burnaby. This new 1.5-metre-diameter, 2.2-kilometre-long water main will replace the existing Douglas Road Main No. 1, which has reached the end of its service life. The project is being delivered in three phases: the north section, the microtunnel section, and the south section.

As a result of Request for Qualifications No. 20-023, four experienced trenchless construction firms were shortlisted and invited to respond to Request for Proposal No. 20-054 for the 660 metre-long microtunnel section of the project. Ward & Burke Microtunnelling Ltd. was identified as offering the technically strongest and lowest cost proposal.

The Board approved awarding a contract in the amount of \$13,495,049 (exclusive of taxes) to Ward & Burke Microtunnelling Ltd. resulting from Request for Proposal No. 20-054: Construction of Douglas Road Main No.2: Still Creek Section — Microtunnel, subject to final review by the Commissioner; and authorized the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the award should proceed.

E1.2 Coquitlam Lake Water Supply — Project Update **WITHDRAWN**

E2.1 Proposed Updates to the Sustainability Innovation Fund Policies **APPROVED**

The Sustainability Innovation Fund (SIF) program allows the Metro Vancouver organization to address critical climate challenges, meet strategic objectives and pilot innovative ideas. SIF projects touch on areas such as the circular economy, resource recovery, emissions reduction and environmental protection.

Following direction from the Climate Action Committee, staff are bringing forward proposed updates to the Sustainability Innovation Fund policies to strengthen and amplify the positive outcomes of the program. To address the stagnant annual contribution to the fund, Financial Services will develop and annually update a contribution schedule to ensure the fund is able to support future projects.

Starting in 2024, staff propose that Financial Services gradually phase in an increase in the contribution amount to each of the SIF reserves. Annual contributions will not exceed one per cent of the respective legal entity’s operating budget and a maximum amount in the fund will be set at \$25 million, indexed to inflation.

The Board approved the proposed updates to the Water Sustainability Innovation Fund with an amendment to make it subject to the annual budget approval

I 1 Committee Information Items and Delegation Summaries**RECEIVED**

The Board received information items from Standing Committees.

Water Committee – July 15, 2021

Information Items:

5.1 Draft Water Services 2022-2026 Capital Plan

The draft 2022-2026 Water Services Capital Plan has been prepared based on direction received at the April 8, 2021 Metro Vancouver Board budget workshop. As part of Metro Vancouver's focus on enhancing transparency and governance of the capital plan, this report represents a new step in the capital budgeting process for this year. The intent is for the Water Committee to provide comments on the draft capital plan, which will then be incorporated into the fall budget presentations to the Water Committee and GVWD Board. The estimated 2022 capital cash flow is \$492.7 million with a total estimated spend of \$2.6 billion over the five years (2022-2026). With respect to the common four years compared to the prior cycle's capital plan, the estimated spend has increased by \$21.3 million, or 1.1 per cent.

5.2 Water Services Capital Program Expenditure Update to April 30, 2021

The capital expenditure reporting process as approved by the Board provides for regular status reports on capital expenditures three times per year. This is the first report for 2021, which includes both the overall capital program for Water Services with a multi-year view of capital projects and the actual capital spending for the 2021 fiscal year to April 30, 2021 in comparison to the prorated annual budget. In 2021, the annual capital expenditures for Water Services are \$62.4 million to date compared to a prorated annual capital budget of \$144.5 million. Forecasted expenditures for the current Water Services capital program remain within the approved budgets through to completion.

5.4 Regional Water Conservation Impacts on Capital Planning

Metro Vancouver has some of the highest per-capita water use when compared to other cities in Canada. From 2000 to 2019, the service population of the GVWD has grown by 642,000 with per-capita water consumption steadily declining. However, it is expected that over the next 20 years overall water consumption will begin to steadily increase as the limits of reductions from improvements in plumbing efficiencies, public awareness, and increased density are being reached. If Metro Vancouver is able to drive increased conservation measures, it may be possible to delay the construction of the Coquitlam Lake Water Supply Project and potentially other capital projects. To achieve that, per-capita consumption will need to drop below 200 litres per person, per day. This could be achieved through a strengthened *Drinking Water Conservation Plan*, increased awareness and enforcement of water conservation bylaws, conservation-oriented pricing structures and water metering, supported by behaviour change campaigns.

5.7 Residential Water Metering — Overview of Local Experience

Water metering is recognized as a best management practice strategy to achieve water conservation goals. Metro Vancouver continues to have low uptake of universal residential water metering amongst member jurisdictions, which has contributed to some of the highest per-capita residential water consumption in the country. Metro Vancouver has provided tools to member jurisdictions following a comprehensive regional assessment completed in 2019 to support them with the implementation of residential water metering programs.

I 2 Update on Water Supply, Conservation and Wildfire Response

RECEIVED

The Board received a verbal update from the Commissioner.

Greater Vancouver Sewage and Drainage District

E1.1 Award of a Contract Resulting from Request for Proposal No. 20-103: Construction Services for Golden Ears Forcemain and River Crossing

APPROVED

Request for Proposal No. 20-103 was issued in January 2021 for Construction Services for the Golden Ears Forcemain and River Crossing. Three compliant proposals were received on April 21, 2021 from Michels Canada Co., Pomerleau Inc. and Peter Kiewit Sons ULC. The proposal submitted by Pomerleau was the highest ranked submission on technical merits, and the financial submission with the lowest price.

The Board:

- approved a contract in the amount of up to \$83,628,768 (exclusive of taxes) to Pomerleau Inc., resulting from Request for Proposal 20-103: Construction Services for Golden Ears Forcemain and River Crossing, subject to final review by the Commissioner;
- directed staff to prepare a budget amendment to increase the Northwest Langley Wastewater Treatment Plant Expansion Program by \$39 million;
- directed staff to provide detailed options of potential budget reductions to offset, along with related risks, through the completion of the 2022 budget process; and
- authorized the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the award should proceed.

E1.2 Iona Island Wastewater Treatment Plant Projects – Project Definition Update

RECEIVED

At its July 31, 2020 meeting, the GVS&DD Board endorsed the design concept for the Iona Island Wastewater Treatment Plant Project — one of Canada’s most dynamic and transformative urban sustainability projects. Since then, a number of challenges have been identified related to constructability and schedule constraints, all contributing to higher estimated costs. In advancing the design concept, the preliminary project schedule indicates secondary wastewater treatment is anticipated to be operational by 2034, four years after the regulatory deadline of December 31, 2030.

Applying Metro Vancouver’s new cost estimating framework, total project costs for the design concept are estimated at a present value of \$6.7 billion. When escalation and a risk reserve are included, the estimated total cost is \$10.4 billion.

Next steps will focus on addressing the challenges, and will include a revised structured decision-making process for alternate design concepts that will consider technology, layout, implementation and other aspects of the projects identified through an independent value engineering exercise.

Metro Vancouver will also re-engage member jurisdictions, key stakeholders, the public and First Nations on any revised aspects of the projects. Staff plan to report back with a recommended revised design concept in November 2021. Following Board endorsement of the recommended revised design concept, staff will target finalizing the project definition report and indicative design in early 2022, including a recommended schedule, budget and delivery strategy.

The Board received the report for information.

E2.1 Iona Island Wastewater Treatment Plant Projects – Project Definition Update

RECEIVED

At its July 31, 2020 meeting, the GVS&DD Board endorsed the design concept for the Iona Island Wastewater Treatment Plant Project — one of Canada’s most dynamic and transformative urban sustainability projects. Since then, a number of challenges have been identified related to constructability and schedule constraints, all contributing to higher estimated costs. In advancing the design concept, the preliminary project schedule indicates secondary wastewater treatment is anticipated to be operational by 2034, four years after the regulatory deadline of December 31, 2030.

Applying Metro Vancouver’s new cost estimating framework, total project costs for the design concept are estimated at a present value of \$6.7 billion. When escalation and a risk reserve are included, the estimated total cost is \$10.4 billion.

Next steps will focus on addressing the challenges, and will include a revised structured decision-making process for alternate design concepts that will consider technology, layout, implementation and other aspects of the projects identified through an independent value engineering exercise.

Metro Vancouver will also re-engage member jurisdictions, key stakeholders, the public and First Nations on any revised aspects of the projects. Staff plan to report back with a recommended revised design concept in November 2021. Following Board endorsement of the recommended revised design concept, staff will target finalizing the project definition report and indicative design in early 2022, including a recommended schedule, budget and delivery strategy.

The Board received the report for information.

E2.2 Engagement Plan for Liquid Waste Development Cost Charge Program Update

APPROVED

As part of a plan to update the liquid waste development cost charge (DCC) program every three to five years, a program review was initiated in 2020. An internal cross-departmental DCC steering committee has been leading this review concurrently with planning the implementation of a new water DCC program.

Work to date has involved initial engagement, including meetings with relevant advisory committees, industry capacity analysis, and rate modelling, now resulting in a set of draft DCC rates in principle. Following Board review of the rates in principle and engagement plan in this report, there will be further engagement with relevant levels of government, First Nations, stakeholders and the public, before finalizing the update for Board approval.

The Board directed staff to proceed with engagement on the proposed update to the liquid waste development cost charge program.

E2.3 Award of Contract Resulting from Request for Proposal No. 21-019: Annacis Island Wastewater Treatment Plant Trickling Filters No. 2 & 4 — Trickling Filter Media, Rotary Distributor and Foul Air Ducting Replacement **APPROVED**

A Request for Proposal (RFP) No. 21-019 was issued to five pre-qualified contractors for construction of the Annacis Island Wastewater Treatment (AIWWTP) Trickling Filter (TF) No. 2 & 4 — Trickling Filter Media, Rotary Distributor, and Foul Air (FOA) Ducting Replacement and closed on April 15, 2021. Pomerleau Inc. was ranked highest overall and offered the lowest proposed fee.

The AIWWTP trickling filter main components — plastic media, rotary distributors and FOA ducting — are experiencing varying degrees of degradation and reaching the end of their service life. Their replacement is critical to the operation of the AIWWTP secondary treatment system and the operational certificate compliance of the treatment plant.

The Board:

- approved the award of a contract for an amount of up to \$37,477,304 (exclusive of taxes) to Pomerleau Inc., resulting from Request for Proposal No. 21-019: Annacis Island Wastewater Treatment Plant Trickling Filters No. 2 & 4 – Trickling Filter Media, Rotary Distributor and Foul Air Ducting Replacement subject to final review by the Commissioner; and
- authorized the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the award should proceed.

E2.4 Award of Contract Resulting from Request for Proposal No. 20-002: Annacis Island Wastewater Treatment Plant Stage 5 Expansion — Phase 2, A506 Contract – Gravity Thickener Expansion **APPROVED**

A Request for Proposal was issued for the construction of the Annacis Island Wastewater Treatment Plant (AIWWTP) Stage 5, Phase 2, A506 Contract to four prequalified entities and closed on March 25, 2021. Maple Reinders Constructors Ltd. was ranked with the highest overall score following evaluation of the proposals.

The purpose of the Stage 5 expansion at AIWWTP is to increase the overall treatment capacity to serve a population of up to 1.5 million people (from a previous capacity of 1.2 million). Contract A506 is an integral component project within the Stage 5 expansion, and will increase the capacity of two areas within the plant, namely the gravity thickeners and the solids contact tanks.

The Board:

- approved the award of a contract for an amount of up to \$36,335,060 (exclusive of taxes), to Maple Reinders Constructors Ltd. resulting from Request for Proposal No. 20-002: Annacis Island Wastewater Treatment Plant Stage 5 Expansion — Phase 2, A506 Contract – Gravity Thickener Expansion, subject to final review by the Commissioner; and
- authorized the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the award should proceed.

E3.1 Solid Waste and Recycling Industry Advisory Committee Draft Terms of Reference **RECEIVED**

The Ministry of Environment and Climate Change Strategy has initiated a process with the Waste Management Association of BC and Metro Vancouver to address challenges and find opportunity areas to improve solid waste management in the region. An initial outcome of this effort is the formation of a Waste and Recycling Industry Advisory Committee, to act as a forum for industry contribution and advice on planning, operations and policy related to solid waste and recycling in Metro Vancouver. A draft terms of reference has been developed and will be circulated to recycling and waste industry stakeholders to seek any additional feedback. If the terms of reference are revised substantially following feedback, an updated version will be provided to the Zero Waste Committee.

The Board received the report for information.

E3.2 Sea to Sky Soils Organics Management Contract **RECEIVED**

On April 30, 2021, the GVS&DD Board approved the award of a contract to Arrow Transportation Systems Inc. for the management of organics at the North Shore Recycling and Waste Centre. Metro Vancouver has subsequently entered into a contract with Sea to Sky Soils and Compacting Inc. (Sea to Sky Soils) to process approximately 6,000 tonnes per year of yard trimmings from the Langley and Maple Ridge Recycling and Waste Centres, and between 1,000 and 6,000 tonnes per year of single-family organic material from the North Shore Recycling and Waste Centre, to December 31, 2025.

The contract will be cost neutral with an overall value over its 4.5-year duration of up to \$4.167 million (exclusive of taxes). Entering into a contract with Sea to Sky Soils increases the resiliency of the regional organics management system by increasing the number of businesses providing organics management services to Metro Vancouver.

The Board received the report for information.

E4.1 Proposed Updates to the Sustainability Innovation Fund Policies **APPROVED**

The Sustainability Innovation Fund (SIF) program allows the Metro Vancouver organization to address critical climate challenges, meet strategic objectives and pilot innovative ideas. SIF projects touch on areas such as the circular economy, resource recovery, emissions reduction and environmental protection.

Following direction from the Climate Action Committee, staff are bringing forward proposed updates to the Sustainability Innovation Fund policies to strengthen and amplify the positive outcomes of the program. To address the stagnant annual contribution to the fund, Financial Services will develop and annually update a contribution schedule to ensure the fund is able to support future projects.

Starting in 2024, staff propose that Financial Services gradually phase in an increase in the contribution amount to each of the SIF reserves. Annual contributions will not exceed one per cent of the respective legal entity's operating budget and a maximum amount in the fund will be set at \$25 million, indexed to inflation.

The Board approved the proposed updates to the Liquid Waste Sustainability Innovation Fund with an amendment to make it subject to the annual budget approval.

I 1 Committee Information Items and Delegation Summaries

RECEIVED

The Board received information items from Standing Committees.

Liquid Waste Committee – July 15, 2021

Information Items:

5.2 Draft Liquid Waste Services 2022-2026 Capital Plan

The draft 2022-2026 Liquid Waste Services Capital Plan has been prepared following direction received at the April 8, 2021 Metro Vancouver Board budget workshop and as part of Metro Vancouver's focus on enhancing transparency and governance over the capital plan. This is a new step in our budget process for this year and the intent is that the Liquid Waste Committee provide feedback and input, which will then be incorporated into the fall budget presentations to the Committees and the Boards.

The estimated 2022 capital cash flow is \$675.8 million with a total estimated spend of \$4.6 billion over the five years. The 2022 capital cash flow is \$17.1 million, or 2.5-per-cent, less than last year's projection for 2022. With respect to the common four years compared to the prior cycle's capital plan, the estimated spend has increased by \$480.1 million or 15 per cent.

5.3 Wet Weather Surcharge for Inflow and Infiltration Action

GVS&DD and its member jurisdictions have made a commitment to eliminate sanitary sewer overflows, which are caused by inflow and infiltration (I&I) of rainwater and groundwater in the sanitary sewer systems in the region, which is largely occurring in privately owned sewer connections. Management of I&I is most effective when done at the source (sewer piping owned by residents) and efforts to promote action on I&I have been challenging and the frequency of overflows is increasing.

Metro Vancouver is considering implementing a wet weather surcharge, which will be in the order of approximately 1 per cent of the GVS&DD levy. Funds raised will contribute to a reserve fund that will be accessible to municipalities, on a cost-sharing basis, for I&I and fats, oil and grease (FOG) management programs or projects targeted at addressing I&I or FOG at source, and reducing sanitary sewer

overflows. An overview and general principles of the proposed wet weather surcharge are provided in this report.

5.5 Liquid Waste Services Capital Program Expenditures Update as at April 30, 2021

The capital expenditure reporting process as approved by the GVS&DD Board provides for regular status reports on capital expenditures three times per year. This is the first report for 2021, which includes the overall capital program for Liquid Waste Services with a multi-year view of capital projects, and the actual capital spending for the 2021 fiscal year to April 30, 2021 in comparison to the prorated annual budget. As of April 30, the 2021 capital expenditures for Liquid Waste Services are \$73 million, compared to a prorated annual capital budget of \$311.5 million. This shortfall is primarily due to payments expected later in the year and some project delays related to the timing of tenders, construction delays, and issues relating to COVID-19. Forecasted expenditures for the current Liquid Waste Services capital program generally remain within the approved budgets through to completion.

Zero Waste Committee – July 16, 2021

Delegation Summaries:

3.1 Tom Land, President & CEO and Christian Dietrich, General Manager, Ecowaste Industries Ltd.

Action Arising from the Delegation:

The Zero Waste Committee requested staff report back to the Committee with information, including Metro Vancouver's jurisdiction, in response to the July 16, 2021 delegation from Tom Land, President & CEO and Christian Dietrich, General Manager, Ecowaste Industries Ltd. requesting Metro Vancouver express support for a change to the Agricultural Land Reserve (ALR) regulation exempting provincially-permitted landfills from the prohibition to accept construction and demolition waste on lands in the ALR.

Information Items:

5.1 Pre-Engagement Results – Solid Waste Management Plan Update

Public engagement is critical in the development of an updated solid waste management plan. To deliver a robust engagement process that goes beyond Metro Vancouver's typical process, exceeds provincial requirements, and addresses previous concerns about engagement, a pre-engagement phase was held to help shape the engagement process. In addition, an Independent Consultation and Engagement Panel was formed to guide development and implementation of engagement, and Metro Vancouver will be engaging on the development of provincially required public and technical advisory committee(s).

Metro Vancouver received feedback from more than 350 individuals via questionnaire responses, presentations, written submissions, meetings with staff, and presentations to the Solid Waste Management Plan Independent Consultation and Engagement Panel. Two entities that presented to the panel expressed concern about the presentation process, and a second opportunity to present to the panel was provided. Feedback indicated support for online and in-person engagement opportunities including sector-specific discussions and early, continuous, and iterative opportunities to provide

feedback. Staff will report back later in the year with a proposed engagement program as well as the proposed structure and selection criteria for the public and technical advisory committee(s).

5.3 Solid Waste Services Capital Program Expenditure Update as of April 30, 2021

The capital expenditure reporting process, as approved by the GVS&DD Board, provides for regular status reports on capital expenditures three times per year. This is the first report for 2021, and includes the overall capital program for Solid Waste Services with a multi-year view of capital projects and the actual capital spending compared to the prorated budget to April 2021. For the first four months of 2021, the capital expenditures for Solid Waste Services were \$16.7 million compared to a 2021 prorated capital budget of \$32.6 million. The underspend is primarily due to longer than expected pre-construction phases for Waste-to-Energy Facility projects, and the property purchase timing for the North Surrey Recycling and Waste Centre depot development. Projects underway are expected to be completed within approved budgets.

5.4 Draft Solid Waste Services 2022 – 2026 Capital Plan

The draft 2022-2026 Solid Waste Services Capital Plan has been prepared following direction received at the April 8, 2021 Metro Vancouver Board budget workshop and as part of Metro Vancouver's focus on enhancing transparency and governance over the capital plan. This is a new step in our budget process for this year and the intent is that the Zero Waste Committee provide feedback and input, which will then be incorporated into the fall budget presentations to the Committees and the Boards.

The estimated 2022 Capital Cash Flow is \$52.1 million with a total estimated spend of \$283 million over the five years. The 2022 Capital Cash Flow is \$24.2 million (31.7 per cent) less than last year's projection for 2022, primarily because the Acid Gas Reduction project spending was deferred as a result of an amendment to the Waste-to-Energy Facility operational certificate. With respect to the common four years compared to the prior cycle's capital plan, the estimated spend has increased by \$30.4 million, or 15 per cent. Changes in overall capital are primarily due to carry-forward of budgets for projects not completed in 2021. Actual budget increases were offset by deferrals of projects out of the capital planning window.

5.6 Waste-to-Energy Facility 2020 Financial Update

The Metro Vancouver Waste-to-Energy Facility continues to be an environmentally sound, low-cost regional disposal option. In 2020, the Waste-to-Energy Facility processed 244,362 tonnes of municipal solid waste, at a net unit cost of \$69.84 per tonne for operation and maintenance. The Waste-to-Energy Facility costs increased as compared to 2018 and 2019 primarily due to the decrease in processed tonnage, an increase in bottom ash disposal costs, and reduced electrical revenue due to scheduled maintenance. In 2018 and 2019 more than 75,000 tonnes of bottom ash were beneficially used in the construction of the United Boulevard Recycling and Waste Centre. In 2020, all bottom ash was disposed of at the Vancouver Landfill. A procurement process for long-term beneficial use of bottom ash is underway.

5.7 2021 Regional Clothing Waste Reduction Campaign Results

Now in its third year, Metro Vancouver’s “Think Thrice About Your Clothes” (“Think Thrice”) behaviour-change campaign, performed strongly in terms of engagement and the number of Metro Vancouver residents reached. The campaign’s goal is to increase diversion of textiles from the waste stream by raising awareness of the textile waste problem and empowering residents to take action. The creative platform included updates to key messaging and ad creative based on post-2020 campaign research and focus group testing. The strategy included both broad reach and targeted digital tactics and delivered more than 69 million impressions. Overcoming barriers and effecting long-lasting behaviour change can take several years to achieve and requires a long term commitment. However, a range of indicators can be employed to measure campaign efficacy over time, including engagement, public attitudes research, and changes in clothing disposal identified through annual solid waste composition studies.

5.8 Update on Metro Vancouver’s Engagement with the Love Food Hate Waste Canada Campaign

As part of its commitment to preventing waste, Metro Vancouver is a campaign partner in Love Food Hate Waste Canada (LFHW). An initiative of the National Zero Waste Council (NZWC), LFHW inspires and empowers people to prevent household food waste. There are 11 campaign partners, including two provincial agencies, seven local governments (including Metro Vancouver), and two grocery chains (Walmart and Sobeys). As a partner, Metro Vancouver receives creative for regional activations, and benefits from national media buys and access to influencers and celebrity chefs. Research about the impact of COVID-19 on consumer behaviours and food waste found 24 per cent were wasting less than usual and 94 per cent were motivated to reduce their household’s avoidable food waste. In response, LFHW activations in 2020 and 2021 had a theme of “We’re Here to Help.” The regional campaign delivered 14.5 million total impressions and reached 320,000 people; the national campaign delivered more than seven million impressions.