

For Metro Vancouver meetings on Friday, November 1, 2019

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 Greg.Valou@metrovanancouver.org or Kelly.Sinowski@metrovanancouver.org

Metro Vancouver Regional District

E 2.1 Metro Vancouver 2040: Shaping our Future - 2018 Procedural Report**RECEIVED**

The Board received for information a report that documents the resources required to implement, administer and amend the regional growth strategy since its adoption to year end 2018.

E 3.1 George Massey Crossing Project – Results of Technical Evaluation on the Six Short Listed Options**APPROVED**

At its October 2, 2019 meeting, the George Massey Crossing Task Force received a presentation from the Province's George Massey Crossing Project team providing the results of the technical evaluation on the six short-listed options. The presentation included information on the key messages from the consultation to date, information on use of the existing tunnel, and a review of the each of the technologies considered – Deep Bore Tunnel, Immersed Tube Tunnel, and Long Span Bridge. For each of the technologies, the provincial team considered feasibility, cost, construction risk, environmental impacts, other impacts including noise, visual and shading, timeline for completion, and alignment with project goals.

The Board passed an amended motion that resolved to:

- receive the report for information;
- based on the Province's technical analysis, endorse a new eight-lane immersed-tube tunnel with multi-use pathway, including two transit lanes, as the preferred option for the George Massey Crossing for the purposes of public engagement;
- Provincial Government's assessment of the immersed tube tunnel options takes into consideration:
 - The project must address First Nation concerns regarding in-river works and fisheries impacts.
 - The project should not create additional potentially costly, lengthy or prohibitive environmental challenges or reviews.
 - The project should address the City of Richmond and Delta's concerns regarding local impacts at interchanges or access points, as well as minimize impacts on agricultural land.
 - To fully realize the benefit of this significant investment, the entire Highway 99 corridor should be evaluated for improvements as part of the crossing project including the existing congestion at the South Surrey interchanges.
 - The project should address the City of Richmond and Vancouver's concerns regarding excess capacity, the risk of increasing vehicle kilometres travelled, and the potential to worsen congestion at the Oak Street Bridge and along the Oak Street corridor.
 - The crossing should be designed to serve the needs of the region to at least 2100.
 - The crossing should include six lanes for regular traffic including goods movement and two lanes dedicated for rapid transit bus, with dedicated multi-use pathway and facilities for

cyclists and pedestrians, and include immediate access to enhanced rapid transit capacity at opening. It should also have the potential for conversion to rail in the future, including consideration for potential high speed rail.

- As it is now, all utility infrastructure, including BC Hydro power transmission lines, should be constructed underground in conjunction with the tunnel.
- Any solution must address the matter in a timely manner, hopefully with construction completed by 2026-2027.
- Any solution that addresses these issues should also be consistent with Metro Vancouver's Regional Growth Strategy (Metro 2040) and TransLink's Regional Transportation Strategy and Metro Vancouver's new climate change targets, which promote sustainable transportation choices. The Regional Transportation Strategy update is currently underway and can provide the opportunity to further integrate the crossing as regional priority, as well as consider transportation demand management strategies to address municipal concerns.
- As an interim measure to address the immediate traffic congestion at the tunnel, the Board requested the Provincial government work with TransLink through Phase 3 of the Mayors' Council plan to provide additional funding for higher-frequency transit services to encourage people to leave their cars at home.

E 3.2 TransLink Application for Federal Gas Tax Funding for 2021 Fleet Expansion and Modernization

APPROVED

The Board approved \$149.12 million in funding from the Greater Vancouver Regional Fund for the following transit projects proposed by TransLink in its Application for Federal Gas Tax funding for 2021 Fleet Expansion and Modernization, as attached to the report:

- Project 1 – Year 2021 Conventional 60-ft Hybrid Bus, 40-ft Hybrid Bus, and 40-ft Battery Electric Bus Purchases for Fleet Expansion
- Project 2 – Year 2021 HandyDART Vehicle Purchases for Fleet Replacement
- Project 3 – Year 2021 HandyDART Vehicle Purchases for Fleet Expansion
- Project 4 – Year 2021 Community Shuttles Vehicle Purchases for Fleet Replacement
- Project 5 – Year 2021 Community Shuttle Vehicle Purchases for Fleet Expansion
- Project 6 – Mark 1 SkyTrain Cars Refurbishment

E 4.1 Consultation on an Alternative Approach for Regulating Emissions from Open-Air Burning of Vegetative Debris in Metro Vancouver

APPROVED

The region currently does not have an emission regulation for open-air burning, and introducing an emission regulation would likely reduce the regulatory burden by providing ongoing authorization of open-air burning of vegetative debris in cases where specified requirements are met, more simply and efficiently than through site-specific approvals.

The Board:

- directed staff to proceed with engagement and consultation on the proposed approach to regulating air emissions from open-air burning activities, based on the discussion paper attached to the report; and
- endorsed the engagement plan as attached.

E 4.2 Community Energy Association Funding Request to Accelerate Air Source Heat Pump Uptake for Existing Buildings**APPROVED**

This report provided the Board with an update on the proposed building retrofit and de-carbonization project described by the Community Energy Association to the Climate Action Committee at its May 17, 2019 meeting, and a recommended response to a request for funding and in-kind support.

The Board resolved to write a letter to the Community Energy Association offering in-kind staff support to develop strategies to accelerate low-carbon building retrofits, as outlined in the report.

E 4.3 Atl'ka7tsem/Howe Sound Biosphere Region – UNESCO Nomination**APPROVED**

Biosphere regions/reserves are areas of terrestrial and coastal/marine ecosystems that are internationally recognized within the United Nations Educational, Scientific and Cultural Organization's (UNESCO) Man and the Biosphere Program.

The key objectives of the Alt'ka7tsem/Howe Sound biosphere region are to advance biodiversity conservation, sustainable development, and reconciliation. No changes to local government responsibilities or governance are introduced with a biosphere region designation, and there are no financial implications associated with the nomination, but it is possible that a future request for short or long-term funding will be made if the biosphere region nomination is successful.

The Howe Sound Biosphere Region Initiative Society is nearing completion of the nomination document for the Alt'ka7tsem/Howe Sound biosphere region and is therefore seeking support from area local governments, which includes Metro Vancouver.

The three Metro Vancouver member jurisdictions with lands in Howe Sound (Bowen Island, Village of Lions Bay, and the District of West Vancouver) have recently confirmed their support for this nomination.

The Board:

- endorsed the nomination of Alt'ka7tsem/Howe Sound as a UNESCO biosphere region; and
- authorized the Corporate Officer to sign the nomination form on behalf of Metro Vancouver.

E 5.1 Metro Vancouver External Agency Activities Status Report - November 2019**RECEIVED**

The Board received for information the following reports from Metro Vancouver representatives to external organizations:

- Municipal Finance Authority
- Sasamat Volunteer Fire Department Board of Trustees
- Delta Heritage Airpark Management Committee
- Pacific Parklands Foundation
- Union of British Columbia Municipalities
- Fraser Basin Council Society

G 1.1 Amending Metro Vancouver 2040: Shaping our Future to Align with the IPCC Special Report on Global Warming of 1.5°C**APPROVED**

The Board:

- initiated a Type 3 minor amendment to Metro Vancouver 2040: Shaping our Future to reflect a commitment to a carbon neutral region by 2050, and an interim target of reducing greenhouse gas emissions by 45% from 2010 levels by 2030;
- gave first, second, and third readings to said bylaw; and
- directed staff to notify affected local governments and agencies as per Section 6.4.2 of Metro Vancouver 2040: Shaping our Future.

G 2.1 Regional Parks Service Amendment Bylaw No. 1290**APPROVED**

The Province of British Columbia is expected to enact a regulation to specifically authorize Metro Vancouver Regional District to establish and operate the regional parks service outside its boundaries for the portion of Aldergrove Park located in the City of Abbotsford. In anticipation of that regulation and to facilitate the process in a timely fashion, it is advisable to amend the Regional Parks Service Bylaw to include this extraterritorial area in the defined boundaries of the parks service area.

The Board:

- gave first, second and third readings to Metro Vancouver Regional District Regional Parks Service Amending Bylaw No. 1290, 2019; and
- directed staff to seek consent of at least two-thirds of the participants to amend the service area to add an extraterritorial area to the regional park function, and following that, forward the Metro Vancouver Regional District Regional Parks Service Amending Bylaw No. 1290, 2019 to the Inspector of Municipalities for approval.

G 3.1 Election of the MVRD Representative on the 2019-2020 Union of British Columbia Municipalities Executive **APPROVED**

The Board elected Director Craig Hodge to serve as the MVRD representative on the Union of British Columbia Municipalities (UBCM) Executive Board for 2019-2020.

G 3.2 2019 Year End Review **RECEIVED**

The Board received for information a report that presents a summary of Metro Vancouver's achievements in 2019 accomplished through the guidance of Metro Vancouver's Standing Committees. The work plan accomplishments achieved in 2019 will provide a strong foundation for the Metro Vancouver Board as it works towards the completion of its long term goals, as articulated in the Board Strategic Plan, over the next three years.

G 4.1 MVRD 2020 Budget and 2020 – 2024 Financial Plan and Five Year Bylaw 1291 **APPROVED**

The Board approved the 2020 Annual Budget and endorsed the 2020 – 2024 Financial Plan as shown in Attachment 1 of the report, in the following schedules:

- Revenue and Expenditure Summary
- Affordable Housing
- Air Quality
- E911 Emergency Telephone Service
- Electoral Area Service
- General Government Administration
- General Government Zero Waste Collaboration Initiatives
- Labour Relations
- Regional Economic Prosperity
- Regional Emergency Management
- Regional Global Positioning System
- Regional Parks
- Capital Programs & Project Totals - Regional Parks
- Regional Planning

The Board approved the 2020 Annual Budget and endorsed the 2020 – 2024 Financial Plan as shown in Attachment 1 as presented for the Sasamat Fire Protection Service, and shown in the following schedules:

- Revenue and Expenditure Summary
- Sasamat Fire Protection Service (Only Anmore and Belcarra may vote)

Then, the Board approved the 2020 Reserve Applications as shown in Attachment 2 of the report. Finally, the Board:

- gave first, second and third readings to Metro Vancouver Regional District 2020 to 2024 Financial Plan Bylaw No. 1291, 2019; and
- passed and finally adopted the bylaw.

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

The Board received delegation summaries and committee information items from standing committees.

George Massey Crossing Task Force – October 2, 2019

Delegation Summaries:

3.1 Roderick V. Louis**Performance and Audit Committee – October 10, 2019**

Information Items:

5.1 Interim Financial Performance Report – August 2019

This report provided an update on financial performance with projections through to the end of the fiscal year. The overall projected surplus is largely due to the deferral of some operating and capital projects, staff vacancies, lower miscellaneous operating costs and lower than budget debt service costs in the utilities. Overall, the 2019 fiscal year's projected financial results for the Metro Vancouver entities and functions are estimated to be in a surplus to a budget of around \$15.5 million.

5.2 Capital Program Expenditure Update as at August 31, 2019

This is the second report for 2019 on the financial performance of the capital program for the eight months ending August 31, 2019. This is the second report of the fiscal year with capital expenditures typically being more active in the summer months. With billings in the early fall, this percentage is anticipated to increase by the next reporting period ending December 31st.

5.3 Semi-Annual Report on GVS&DD Development Cost Charges

This report is about GVS&DD Development Cost Charge revenue collections during the first half of 2019 and any implications on their adequacy, as required in the Board's policy. DCC collections for the first half of 2019 were \$23.687 million. DCCs received are used to pay for growth related GVS&DD capital projects.

5.4 Investment Position and Returns – May 1 to August 31, 2019

This report indicates that overall investment performance for the period met expectations. Short term investments exceeded returns on our benchmarks. Long term investments had mixed success with reaching returns greater than the benchmarks over the past 12 months, but are still higher when compared with the past three years. Our portfolios hold quality investments and are reasonably positioned, given our market expectations.

5.5 Request for Proposal Competition Process for Appointing an External Auditor

This report contains information regarding the process undertaken by Metro Vancouver staff for the selection of the external auditor. Metro Vancouver conducts a competitive selection process that establishes a highest ranked proponent, considering both price and experience of the firm and team.

The process does not limit the number of proposals nor set any mandatory requirements that would constitute a barrier to entry. Modifying the process to rotate a firm or the audit partner likely will not provide additional value and may create ramifications that could negatively impact Metro Vancouver's ability to achieve best value in the engagement of an external auditor.

5.6 Tender/Contract Award Information – June 2019 to August 2019

This report includes information with regards to contracts handled through the Purchasing and Risk Management Division, with a total anticipated value at or in excess of \$500,000 (exclusive of taxes). The contracts presented were awarded in accordance with the "Officers and Delegation Bylaws 1208, 284 and 247 – 2014" (Bylaws) and the "Procurement and Real Property Contracting Authority Policy" (Policy) and comply with competitive bidding laws and applicable legislation. Further, the competitive selection packages were carefully crafted by teams of subject matter experts resulting in the award of contracts that are fiscally responsible, and balance risk, economic, ethical and legal obligations.

Indigenous Relations Committee – October 10, 2019

Information Items:

5.2 A Review of Red Women Rising: Indigenous Women Survivors in Vancouver's Downtown Eastside

This report provides a brief summary of the report *Red Women Rising: Indigenous Women Survivors in Vancouver's Downtown Eastside* and identifies which of the Report's 35 key recommendations are relevant to Metro Vancouver's operations. The purpose of this report is to provide a brief overview of Red Women Rising and its 35 key recommendations. The 35 key recommendations identified in Red Women Rising not only focus on ending violence against Indigenous women, but also on some broader issues for creating a more socially responsible and just society.

Regional Planning Committee – October 11, 2019

Information Items:

5.3 Ecological Health – Tree Canopy Cover and Impervious Surfaces

This report includes reporting and analysis of the newly developed regional ecological health indicators – tree canopy cover and impervious surfaces. Overall, the report shows that regional tree canopy cover is in decline and impervious surfaces are most likely increasing as parts of the region urbanize.

There are opportunities to turn these trends around, and this report includes a number of recommendations to help do so, including continued monitoring to inform actions, adopting and enforcing tree protection bylaws, and implementing green infrastructure approaches.

5.4 Study on Applications to the Agricultural Land Commission

This report has information about a new study that will ascertain if approved applications to Agricultural Land Commission (ALC) are beneficial or detrimental to farm use in the Agricultural Land Reserve in Metro Vancouver. Metro Vancouver is participating in a study being undertaken by Kwantlen Polytechnic University to investigate the outcomes of previously approved non-farm use and subdivision applications to the Agricultural Land Commission.

The results will provide insight into how to address regional and municipal agricultural land use planning challenges and can help ensure the long term protection of the Agricultural Land Reserve for food and agricultural production into the future.

Climate Action Committee – October 18, 2019

Information Items:

5.4 Clean Air Plan and Climate 2050 Discussion Papers on Transportation and Industry

The Board received information about the Transportation and Industry discussion papers to support development of the Clean Air Plan and the Climate 2050 Roadmaps. Metro Vancouver is developing a Clean Air Plan to identify actions to reduce emissions of air contaminants, including greenhouse gases, in our region over the next 10 years. Metro Vancouver is also 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 are being developed, to support an integrated engagement process for the Clean Air Plan and Climate 2050.

5.6 Results of Consultation on Proposed Amendments to Metro Vancouver's Automotive Refinishing Emission Regulation Bylaw

This report contains a summary of the feedback received by Metro Vancouver during the consultation on proposed amendments to the Greater Vancouver Regional District Automotive Refinishing Emission Regulation Bylaw No. 1086, 2008 (Bylaw 1086). Staff undertook an engagement and consultation process on the proposed amendments between November 2017 and April 2018, which focused on expansion of the regulatory scope to include automotive refinishing activities other than spray coating, inclusion of businesses that perform mobile automotive refinishing services, requirements to improve spray booth exhaust filtration, updated formulation standards for automotive refinishing products, and updated training and administration requirements. The feedback received during the consultation and engagement process will inform the development of amendments to Bylaw 1086 for the MVRD Board's future consideration.

Greater Vancouver Water District

E 1.1 Annual Update on Fisheries Initiatives in the Capilano, Seymour and Coquitlam Watersheds

RECEIVED

The Board received for information a report with an annual update on fisheries initiatives and activities associated with the Capilano, Seymour and Coquitlam Watersheds. Metro Vancouver continues to proactively participate in a variety of meaningful fisheries initiatives throughout GVWD's watershed lands located both above and below the dams.

A key Metro Vancouver objective is to ensure fisheries protection and enhancement initiatives are evaluated, planned and implemented in a manner that consistently meets the District's mandate of providing consistently high quality drinking water supplies.

E 1.2 Watershed Watch Salmon Society - Contribution Agreement

APPROVED

The Coquitlam River Watershed Roundtable (Roundtable) is a multi-stakeholder initiative that coordinates and implements activities that promote the health and sustainability of the lower Coquitlam River watershed. The Roundtable, through the Watershed Watch Salmon Society, has submitted a multi-year funding request in the amount of \$34,000 per year, from 2020 – 2022, to the GVWD.

This three-year agreement provides a measure of stability enabling program planning, development and delivery. Funding has also been provided by the City of Coquitlam (conditional approval), City of Port Coquitlam and Kwikwetlem First Nation (conditional approval). Similar core funding is also being sought from BC Hydro, although its contribution is unconfirmed at this time.

The Board approved the Contribution Agreement between the Greater Vancouver Water District and the Watershed Watch Salmon Society for a three-year term and annual contribution of \$34,000 commencing on January 1, 2020 and ending on December 31, 2022.

G 1.1 GVWD 2020 Budget and 2020 – 2024 Financial Plan

APPROVED

The Board:

- approved the 2020 Annual Budget and endorsed the 2020 - 2024 Financial Plan as presented in the following schedules:
 - Revenue and Expenditure Summary
 - Water Services
 - Capital Programs Project Totals – Water Services
- approved the 2020 Reserve Applications as presented; and
- set the Water Rate for 2020 at:
 - \$0.8899 per cubic metre for June through September; and
 - \$0.7119 per cubic metre for January through May and October through December.

I 1 COMMITTEE INFORMATION ITEMS AND DELEGATION SUMMARIES

APPROVED

Water Committee – October 17, 2019

Information Items:

5.2 GVWD Capital Program Expenditure Update to August 31, 2019

This is a report on the status of the Water Services' capital program and financial performance for the eight-month period ending August 31, 2019. This is the second in a series of three reports on capital expenditures for 2019. Water Services is projecting to be underspent for both ongoing and completed capital projects to August 31, 2019. It is anticipated that in aggregate, ongoing capital projects will be slightly underspent because the full contingency is not required.

E 1.1 Iona Island Wastewater Treatment Plant Project – Community Engagement Process APPROVED

This report updated the Board on the community engagement activities undertaken to date and sought authorization to complete the community engagement process as presented through to completion of the Project Definition Phase.

Metro Vancouver has engaged stakeholders and First Nations on the Iona Island Wastewater Treatment Plant Project since June 2018. The Board authorized staff to complete the community engagement process, as presented.

G 1.1 Cost Apportionment Bylaw Amendment – Allocation of Costs for Tertiary Treatment APPROVED

At the July 26th meeting, the GVS&DD Board passed a recommendation to proceed with tertiary treatment at the North Shore Wastewater Treatment Plant. The Board also requested staff to explore an amendment to the GVS&DD Cost Apportionment Bylaw No. 283, 2014 that would consider the establishment of a third tier of cost allocation for tertiary filtration capital costs based on a 100% regional allocation model.

There are two wastewater treatment projects within the GVS&DD capital program that have tertiary filtration included in the design for effluent treatment – the Northwest Langley Wastewater Treatment Plant project and the North Shore Wastewater Treatment Plant project. Under the existing bylaw provisions, these capital projects are funded as Tier II projects with 70% cost shared on a regional level and 30% cost shared by the local sewer area. If the Board approves the amending bylaw, a new Tier III category will be established and both projects would have the incremental cost of tertiary filtration designated as a Tier III project with those capital costs shared as a 100% regional cost. Under this new category, anticipated costs to the region would be between \$4 and \$8 per household with an overall capital expenditure of \$62 million.

As the costs for providing tertiary treatment are not contemplated for allocation within the Greater Vancouver Sewerage and Drainage District Cost Apportionment Bylaw No. 283, 2014, amendments to the cost apportionment bylaw have been prepared for the Board's consideration. This model is being presented to facilitate a more balanced sharing of costs, based on the understanding that the addition of tertiary treatment provides a benefit to the whole region.

The Board:

- approved the amendments to the Greater Vancouver Sewerage and Drainage District Cost Apportionment Bylaw No. 283, 2014 for the allocation of charges for tertiary treatment;
- gave first, second and third readings to Greater Vancouver Sewerage and Drainage District Cost Apportionment Amending Bylaw No. 331, 2019; and
- passed and finally adopted said bylaw.

G 2.1 Proposed Amendments to GVS&DD Cost Apportionment Bylaw No. 283, 2014 – Village of Anmore APPROVED

At the July 26, 2019 meeting the GVS&DD Board directed staff to review the GVS&DD Cost

Apportionment Bylaw No. 283, 2014 with respect to how growth charges are calculated and apportioned to Anmore.

Amendments were developed that would come into effect upon membership of the Village of Anmore in the GVS&DD. A connection fee will be remitted by the Village of Anmore for all residential dwelling units initially added to the Fraser Sewerage Area and a conditional waiver of the growth charge, which would remain in effect until such time that the Village of Anmore requests additional amendments to the Fraser Sewerage Area.

The Board gave first, second and third readings to Greater Vancouver Sewerage and Drainage District's Cost Apportionment Amending Bylaw No. 332, 2019.

G 2.2 Greater Vancouver Sewerage and Drainage District Sewerage and Drainage Areas Boundaries Amending Bylaw No. 329, 2019 – Fraser Sewerage Area – 7969 Highway 91 Connector, Delta **APPROVED**

The City of Delta has requested that the GVS&DD amend the Fraser Sewerage Area to include the property located at 7969 Highway 91 Connector in Delta. On October 4, 2019, the MVRD Board resolved to accept the City of Delta's Regional Context Statement amending the property to a Regional Industrial Land Use Designation, and to include the property within the Urban Containment Boundary, thus making it eligible to receive regional sewer services subject to approval by the GVS&DD Board.

Analysis completed by Metro Vancouver staff has shown that there will be a negligible impact on the regional sewerage system and there are no financial impacts to the GVS&DD.

The Board:

- gave first, second and third readings to the Greater Vancouver Sewerage and Drainage District Sewerage and Drainage Areas Boundaries Amending Bylaw No. 329, 2019; and
- passed, and finally adopted the aforementioned bylaw.

G 3.1 GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 330, 2019 **APPROVED**

The Board:

- approved the following amendments to the Tipping Fee Bylaw effective January 1, 2020:
 - Tipping fees to change as follows:
 - Tipping fees for garbage (per tonne):
 - Municipal garbage \$113
 - Up to 1 tonne \$147
 - 1 tonne to 9 tonnes \$125
 - 9 tonnes and over \$99
 - Recycling fee for source-separated organic waste, green waste and clean wood change to \$100 per tonne;
- gave first, second and third readings to Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 330, 2019; and

- passed and finally adopted said bylaw.

G 4.1 GVS&DD 2020 Budget and 2020 - 2024 Financial Plan

APPROVED

The Board:

- approved the 2020 Annual Budget and endorsed the 2020 - 2024 Financial Plan as presented in the following schedules:
 - Revenue and Expenditure Summary
 - Liquid Waste Services
 - Capital Programs Project Totals – Liquid Waste Services
 - Solid Waste Services
 - Capital Programs Project Details – Solid Waste Services
- approved the 2020 Reserve Applications as presented.

I 1 Committee Information Items and Delegation Summaries

RECEIVED

The Board received information items from Standing Committees.

Liquid Waste Committee – October 17, 2019

Information Items:

5.3 Liquid Waste Services Capital Program Expenditure Update as at August 31, 2019

This report on the status of the Liquid Waste Services' capital program and financial performance for the eight month period ending August 31, 2019. This is the second in a series of three capital expenditure progress reports for 2019.

Liquid Waste Services is projecting to be underspent for both ongoing and completed capital projects to August 31, 2019. Liquid Waste Services is projecting to underspend its annual Capital Budget by \$180.7 million (32%). The variance is primarily due to construction delays with a major project and obtaining third party approvals in a timely manner. Although the 2019 Liquid Waste Services Capital Budget is projecting a year-end underspend, the variance is a result of cash flow timing. It is projected that in aggregate, ongoing capital projects will be close to or less than the overall budget for that project. Any surplus resulting from a 2019 underspend will be used to directly fund capital in 2020 and avoid future borrowing.

5.5 Iona Island Wastewater Treatment Plant – Project Definition Update

This report contains an update on the work underway to complete the Project Definition Phase for the new Iona Island Wastewater Treatment Plant. The Iona Island Wastewater Treatment Plant Project Definition Technical Workshop 4 was held on July 24th and 25th, 2019.

This workshop focused on evaluating and obtaining feedback on how the architectural themes and engineering treatment options meet the project goals, objectives and requirements. With this feedback, the three wastewater treatment plant build scenarios will be further developed and life-cycle cost estimates, energy requirements and greenhouse gas profiles will be determined for each scenario.

Zero Waste Committee – October 18, 2019

Delegation Summaries:

3.1 Lori Bryan, Waste Management Association of BC (WMABC)

Information Items:

5.3 2018 Construction & Demolition Waste Composition Study

This report contains an update on the results of the 2018 Construction & Demolition Waste Composition Study. Metro Vancouver monitors the composition of the waste stream on a regular basis to track progress against ISWRMP targets. The 2018 Construction & Demolition Waste Composition Study provides an estimate of waste composition in the construction & demolition sector and a comparison to 2015, when the sector was last analyzed. Composition estimates are based on visual analysis at local landfills.

Wood and plastic both increased by approximately 20,000 tonnes between 2015 and 2018. Plastic represented the largest relative increase in composition, from 6.3% to 11.5%. Asphalt, primarily roofing materials, has decreased by an estimated 15,000 tonnes.

5.4 Update on Construction and Demolition Waste Reuse and Recycling in Metro Vancouver

The report contains an update on reuse and recycling practices for construction and demolition waste in Metro Vancouver. Construction and demolition waste is still a significant component of the region's disposed waste stream and various initiatives at the municipal and regional level are underway to increase diversion, particularly for wood. Wood, concrete and asphalt are the most used building materials (up to 80% by weight) in single family homes. Performance requirements can create barriers for utilizing used building materials such as salvaged wood because of code specifications, contract and warranty requirements, and energy performance. It is possible, however, to use salvaged wood, especially old growth wood from older homes in non-structural applications such as flooring, staircases, cabinetry and furniture-making. Municipal measures are an important tool in increasing reuse and recycling of construction and demolition material. Several municipalities have adopted demolition waste recycling bylaws to encourage reuse and recycling and to help meet the region's diversion goals.

5.5 Solid Waste Services Capital Program Expenditure Update as of August 31, 2019

This report contains an update about the Solid Waste Services' capital program and financial performance for the eight-month period ending August 31, 2019. This is the second in a series of three capital expenditure progress reports for 2019. Solid Waste Services is projecting to require additional budget in the amount of approximately \$14.3 million due to building/subdivision requirements and revised cost estimates. Updated budget proposals for several projects will be part of the 2020 financial planning package.

5.6 2019 Regional Food Scraps Recycling Campaign Update

This report contains an update on the 2019 Regional Food Scraps Recycling Campaign. The campaign encourages residents to separate food scraps from their garbage using humorous food face characters. Results have shown that the campaign successfully contributed to overall awareness of the issue, and

diversion of organic waste into the green bin. However, education needs to be maintained as waste audits reveal that basic organics like fruit and vegetables are still being disposed of in the garbage.

Plastic bag contamination and miscommunication regarding “biodegradable” or “compostable” bags also continues to be an issue. Additionally, a potential unintended consequence of encouraging people to recycle their organics is that they recycle food that could be consumed. For the sixth year of the Food Scraps Recycling campaign, the creative, messages, and communication channels will be tailored to address these current challenges.

5.7 2019 Abandoned Waste Campaign Results

This report contains an update on the 2019 Waste in its Place regional campaign to reduce instances of abandoned waste, which took place in the spring of 2019. Abandoned waste is a regional issue, with environmental, health and social impacts. The financial burden is also significant; local governments spend around \$5 million annually for abandoned waste clean-up and bulky item pick-up programs for mattresses and furniture.

Metro Vancouver’s 2019 Waste in its Place regional campaign used communications materials and tools, based on research conducted with members and public, to raise awareness of legal disposal options and to discourage abandoned waste. The campaign ran from April 15 to June 9 and featured digital advertising, sponsored online editorial content, transit advertising, campus posters, and ethnic print.

All materials promoted the wasteinitsplace.ca webpage, which highlights regional disposal options and municipal programs, was viewed 15,689 times during the campaign’s nearly 2-month duration. Of those who saw the campaign advertising, 36% reported that they were less likely to dispose of unwanted household items in public spaces. Additionally, 36% of respondents reported that they have talked to others about the campaign’s message. Reaction to the simple, clear imagery used in the campaign advertising was largely positive.

Metro Vancouver Housing Corporation

E 1.1 MVHC Financing of second mortgage for Heather Place redevelopment

APPROVED

A second mortgage for the Heather Place redevelopment is needed once the construction has been completed and the tenants occupy the building in the spring of 2020.

The Board approved the borrowing of up to a maximum of \$17,500,000 by way of a second mortgage for Heather Place, located at 755/785/799 West 14th Avenue, Vancouver, provided through BCHMC. The initial term for the mortgage will be 10 years, with an amortization period of 35 years. The interest currently offered by financing through BCHMC is 2.482%.

Furthermore, the Board resolved that 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 Property and Project 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 BCHMC or the lender of the monies.

G 1.1 MVHC 2020 Budget and 2020 – 2024 Financial Plan**APPROVED**

The Board:

- approved the 2020 Annual Budget and endorse the 2020 - 2024 Financial Plan as presented in the following schedules:
 - Revenue and Expenditure Summary
 - Housing
 - Capital Programs Project Totals – Housing
- approved the 2020 Reserve Applications as presented.