

REGULAR COUNCIL MEETING – AGENDA

Agenda for the Regular Council Meeting scheduled for
Tuesday, May 21, 2019 at 7:00 p.m. in Council Chambers at
Village Hall, 2697 Sunnyside Road, Anmore, BC



1. **Call to Order**

2. **Approval of the Agenda**

Recommendation: That the Agenda be approved as circulated.

3. **Public Input**

Note: The public is permitted to provide comments to Council on any item shown on this meeting agenda. A two-minute time limit applies to speakers.

4. **Delegations.**

None.

5. **Adoption of Minutes**

Page 4 (a) **Minutes of the Regular Council Meeting held on April 30, 2019**

Recommendation: That the Minutes of the Regular Council Meeting held on April 30, 2019 be adopted as circulated.

6. **Business Arising from Minutes**

7. **Consent Agenda**

Note: Any Council member who wishes to remove an item for further discussion may do so at this time.

Recommendation: That the Consent agenda be adopted.

Page 12 (a) **Communication from City of Burnaby dated May 2, 2019 regarding expanding investment opportunities**

Recommendation: THAT Council receive the letter from City of Burnaby dated May 2, 2019 regarding expanding investment opportunities, for information.

Page 21 **(b) Communication from Ministry of Municipal Affairs and Housing dated May 7, 2019 regarding Building BC**

Recommendation: THAT Council receive the letter from Ministry of Municipal Affairs and Housing dated May 7, 2019 regarding Building BC, for information.

8. Items Removed from the Consent Agenda

9. Legislative Reports

None.

10. Unfinished Business

11. New Business

(a) Dr. Hal Weinberg Scholarship – Award Presentation

Council to present the scholarship to the 2019 recipients.

Page 27 **(b) Village of Anmore 2019-2022 Council Strategic Plan**

Recommendation:

THAT Council adopt the Village of Anmore 2019-2022 Strategic Plan as attached to the agenda.

(c) 2018 Annual Water Quality Report

Page 28 Recommendation:

THAT Council receive the Village of Anmore 2018 Water Quality Report as attached to the agenda, for information.

12. Recommendations of Committees.

(a) Community Engagement, Culture and Inclusion Committee Meeting held on April 11, 2019

The Committee recommends:

THAT Council direct staff to promote and prepare Spirit Park for the 1st Annual Picnic in the Park to be held from 6 p.m. – 9 p.m. on Friday, August 16.

(b) Community Engagement, Culture and Inclusion Committee (CECI) Meeting held on May 15, 2019

At the May 15, 2019 CECI Meeting:

It was agreed by consensus of committee members that Cllr. Krier will bring forward a request from the Committee that Council support the Community Engagement Culture and Inclusion Committee hosting of the Alzheimer Society Workshop on May 29 at Village Hall and that Council authorize a budget of \$75 for the event.

13. Mayor's Report

14. Councillors Reports

15. Chief Administrative Officer's Report

16. Information Items

(a) Committees, Commissions and Boards - Minutes

- Page 57 - Minutes of the Advisory Planning Commission Meeting held on February 11, 2019
- Page 60 - Minutes of the Environment Committee Meeting held on March 26, 2019
- Page 62 - Minutes of the Community Engagement, Culture, and Inclusion Meeting held on April 11, 2019

(b) General Correspondence

- Page 66 - Metro Vancouver Board in Brief for meeting held on April 26, 2019
- Page 79 - Communication from WiMacTel Canada Inc. dated April 30, 2019 regarding removal of Telus payphone at Buntzen Lake Park

17. Public Question Period

Note: The public is permitted to ask questions of Council regarding any item pertaining to Village business. A two-minute time limit applies to speakers.

18. Adjournment

REGULAR COUNCIL MEETING – AGENDA

Minutes for the Regular Council Meeting scheduled for
Tuesday, April 30, 2019 at 7:00 p.m. in Council Chambers at
Village Hall, 2697 Sunnyside Road, Anmore, BC



ELECTED OFFICIALS PRESENT

Mayor John McEwen
Councillor Polly Krier
Councillor Tim Laidler
Councillor Kim Trowbridge
Councillor Paul Weverink

OTHERS PRESENT

Juli Halliwell, CAO
Karen Elrick, Manager of Corporate Services
Jason Smith, Manager of Development Services
Luke Guerin, Operations Superintendent

1. Call to Order

Mayor McEwen called the meeting to order at 7:00 p.m.

2. Approval of the Agenda

It was MOVED and SECONDED:

R305	That the Agenda be approved as amended to include the addition of Item 11 (a) Infill Development Policy and Conflict of Interest and renumber the subsequent items accordingly.
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Carried Unanimously

3. Public Input

Charles Christie, Anmore, regarding proposed tax increase.

Doug Richardson, Anmore, regarding Cordovado subdivision and OCP policy.

4. Delegations.

(a) BC Hydro – Coquitlam Gates Tunnel Project

Mr. Mark Nichol, Project Manager, provided a Powerpoint presentation on the Coquitlam Gates Tunnel Project to Council which is included as Attachment 1 and forms part of these minutes:

Points included:

- History of Coquitlam Buntzen Diversion Tunnel
- Purpose of tunnel:
 - Diversion of water
 - Act as a reservoir discharge facility
- Coquitlam Buntzen system overview
- Project progress to date
- Hydro-technical studies and modelling objectives
- Fisheries considerations
- Project schedule and next steps

Discussion included:

- Safety concerns and need for continued communication with Anmore regarding any changes in water levels
- Potential for power generation from the water tunnel

(b) Anmore Green Estates – Strata Council – sewer connection and Liquid Waste Management Plan

Ms. Brandie Roberts, Anmore Green Estates provided a presentation to Council outlining concerns regarding Anmore Green Estates.

Ms. Roberts' points included:

- Desire of Anmore Green Estates (AGE) to meet with Council, and for Council to advocate for community members
- Liquid Waste Management Plan (LWMP) which includes option for sewer connection for through joining Greater Vancouver Sewage and Drainage District or treatment of sewage on site
- AGE's view of lack of public consultation for LWMP
- Desire for confirmation of responsibility of fees related to services

Discussion points included:

- Confirmation that the Village's intent is that the property owners that would benefit from the service of the sewer connection would bear the full cost of

providing the service

- AGE's view that entire community would benefit from sewer connection, not just AGE, and that the cost to each property owner within AGE could be \$3,000 per year for GVSDD membership
- Mayor McEwen offered to attend GVSDD with AGE representative to make a presentation regarding potential for adjustment of membership fee
- Open house will hosted by Village in mid June to provide clarification

5. **Adoption of Minutes**

(a) **Minutes of the Regular Council Meeting held on April 16, 2019**

It was MOVED and SECONDED:

R306 That the Minutes of the Regular Council Meeting held on April 16, 2019 be adopted as circulated.

Carried Unanimously

6. **Business Arising from Minutes**

7. **Consent Agenda**

It was MOVED and SECONDED:

R307 That the Consent agenda be adopted.

Carried Unanimously

- (a) **Metro Vancouver – 2018 Regional Parking Study – Key Findings** - Full report available <http://www.metrovancouver.org/services/regional-planning/transportation/regional-parking-studies/Pages/default.aspx>

Recommendation: THAT Council receive the letter from Metro Vancouver dated April 15, 2019 regarding Metro Vancouver 2018 Regional Parking Study – Key Findings, for information.

- (b) **Metro Vancouver Drinking Water Conservation Plan Guide** – Full plan available <http://www.metrovancouver.org/services/water/WaterPublications/DrinkingWaterConservationPlan.pdf>

Recommendation: THAT Council receive the letter from Metro Vancouver dated April 16, 2019 regarding Metro Drinking Water Conservation Plan, for information.

- (c) **Metro Vancouver Office Development in Metro Vancouver's Urban Centres – 2018 Update** – Full Update available
http://www.metrovancouver.org/services/regional-planning/PlanningPublications/Office_Development_in_Metro_Vancouver's_Urban_Centres-2018Update.pdf

Recommendation: THAT Council receive the letter from Metro Vancouver dated April 24, 2019 regarding Office Development in Metro Vancouver's Urban Centres, for information.

- (d) **Communication from Union of BC Municipalities dated April 16, 2019 regarding 2017 CEPF: Emergency Social Services – Increase Local Capacity: Training & Trailer**

Recommendation: THAT Council receive the letter from Union of BC Municipalities dated April 16, 2019 regarding CEPF: Emergency Social Services – Increase Local Capacity: Training & Trailer, for information.

- (e) **CARIP Survey Public Reporting**

Recommendation: THAT the report dated April 26, 2019 from the Manager of Development Services regarding CARIP Survey Public Reporting be received, for information.

8. Items Removed from the Consent Agenda

9. Legislative Reports

- (a) **2307 Sunnyside Road – Proposed Comprehensive Development Rezoning**

Mr. Jason Smith, Manager of Development Services, provided an overview of the staff report of the 19 lot proposal. Mr. Smith included information on components of the proposal including amenity contribution, trail network extension, extension of Sunnyside Road right of way, and riparian area protection.

Discussion points included:

- Parking requirements would be the same as for RS1 zoning
- Secondary suites would be permitted in this proposal while secondary suites are not currently permitted within other CD zones
- No provision for coach houses and a limit of one accessory building would be permitted
- The proposal is consistent with OCP policies
- Driveway entrance gates would not be permitted
- Tree retention would be regulated within the Tree Management Bylaw
- Part of Sunnyside Road right of way is now on private property and this proposal would address that issue

It was MOVED and SECONDED:

R308 THAT Council grant first, and second reading to Village of Anmore Zoning Amendment Bylaw 597-2019 and refer Village of Anmore Zoning Amendment Bylaw 597-2019 to the Advisory Planning Commission for review and comment, and THAT Council direct staff to set a date for the public hearing should the Advisory Planning Commission suggest no further changes to Village of Anmore Zoning Amendment Bylaw 597-2019.

Carried Unanimously

(b) Anmore Five-Year Financial Plan Bylaw No. 595-2019

It was MOVED and SECONDED:

R309: That Council adopt Anmore Five-Year Financial Plan Bylaw No. 595-2019.

Carried Unanimously

(c) Anmore Tax Rates Bylaw No. 596-2019

It was MOVED and SECONDED:

R310 That Council adopt Anmore Tax Rates Bylaw No. 596-2019.

Carried Unanimously

10. Unfinished Business

11. New Business

(a) Infill Development Policy and Conflict of Interest

Mr. Jason Smith, Manager of Development Services, provided an overview of the staff report and advised that due to the requirement of the Judge hearing the current court application related to conflict of interest and quorum, and the timeline requirement imposed for public comment that staff recommends that Item 11(b) be deferred pending the completion of the court application.

It was MOVED and SECONDED:

R311 THAT the report titled “Infill Development Policy and Conflict of Interest” and dated April 30, 2019 be received, for information

Carried Unanimously

(b) Infill Development Policy and the Community Amenity Contribution Target

It was MOVED and SECONDED:

R312 THAT Council defer consideration of the Infill Development Policy and the Community Amenity Contribution Target.

Carried Unanimously

(c) Lower Mainland Local Government Association (LMLGA) Conference – May 8-10, Harrison Hot Springs, BC

Ms. Juli Halliwell, CAO, confirmed that there is budget provision for one member of Council to represent the Village at this conference and that calculated costs would fall within the budget allocation.

It was MOVED and SECONDED:

R313 That Council authorize Councillor Polly Krier to attend the 2019 LMLGA Conference to be held May 8 – 10, 2019 in Harrison Hot Springs, BC

Carried Unanimously

12. Recommendations of Committees.

None.

13. Mayor's Report

- April 18 conference call with Minister Robinson and Ministry of Environment regarding AGE sewer hook up and timelines
- April 18 attended Sasamat Volunteer Fire Department Board of Trustee Meeting
- April 20 attended Easter at Spirit Park
- April 23 attended Pacific Parkland Foundation AGM
- April 25 attended Translink meeting
- April 26 attended Metro Board Meeting and then board strategic planning
- May 1 will attend TransLink meeting with small communities Bowen Island, Lions Bay, Belcarra, and Anmore; noted request for bus stop at entrance to Crystal Creek Drive
- Mayor McEwen offered well wishes and thanks to departing staff member Luke Guerin and to Anmore Times representative Morgan Weverink as it is his last meeting representing Anmore Times

14. Councillors Reports

Cllr. Weverink noted that he wishes to bring forward an agenda item regarding nuisance bears to the next Environment Committee meeting.

Cllr. Krier reported that:

- Attended Village Easter Egg Hunt
- Attended Walk a Mile in Her Shoes event – Soroptomist Club
- Will attend Canadian Tire jumpstart classic car fundraiser on May 5
- Scheduling next dementia workshop
- Planning for picnic in the park in August

15. Chief Administrative Officer's Report

Ms. Juli Halliwell, CAO reported that:

- Stage one water restrictions are now in effect and information is available on Village website
- An agreement for shared services with Belcarra for bylaw enforcement for summer months has been reached to address parking issues. A pilot will occur on May long weekend, weather dependent, and will include electronic sign board messaging if parking lots are full
- Minor paving on Uplands Drive will take place tomorrow

16. Information Items

None.

17. Public Question Period

Ken Honigman, Anmore, regarding safety concerns related to paving trucks
Glen Coutts, Anmore, regarding riparian areas within CD zone proposal, and conflict of interest

Charles Christie, Anmore, regarding bylaw enforcement

Doug Richardson, regarding riparian area within CD zone proposal, Community Amenity Contribution spreadsheet report, and public hearing for CD zone proposal

Ray Neufield, Anmore, regarding Anmore Green Estates rezoning

Doug Richardson, Anmore, regarding Anmore Green Estates

Anmore Green Estates Resident regarding Anmore Green Estates sewer

18. Adjournment

It was MOVED and SECONDED:

R314 THAT the meeting was adjourned at 8:31p.m.

Carried Unanimously

Karen Elrick
Corporate Officer

John McEwen
Mayor



CITY OF BURNABY
OFFICE OF THE MAYOR
MIKE HURLEY
MAYOR

RECEIVED

MAY 07 2019

VILLAGE OF
ANMORE 

2019 May 02

Dear Mayor and Council:

Subject: Expanding Investment Opportunities
(Item No. 6(J), Reports, Council 2019 April 29)

Burnaby City Council, at the Open Council meeting held on 2019 April 29, received the above noted report and adopted the following recommendations, **AS AMENDED**:

1. THAT Council provide support for changes to the Community Charter to allow for expanded asset class investments under prudent investor rules.
2. THAT Council request support from other municipalities and regional districts for the requested changes to the Community Charter.
3. THAT Council submit a resolution, as outlined in Section 4.1 of this report, to the Union of British Columbia Municipalities, as outlined in this report.

In accordance with Recommendation No. 2, a copy of the report, containing text of the resolution, is *enclosed* for your information.

Burnaby City Council appreciates your support on this matter.

Yours truly,



Mike Hurley
MAYOR

FINANCIAL MANAGEMENT COMMITTEE

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

SUBJECT: EXPANDING INVESTMENT OPPORTUNITIES

RECOMMENDATIONS:

1. THAT Council provide support for changes to the Community Charter to allow for expanded asset class investments under prudent investor rules.
2. THAT Council request support from other municipalities for the requested changes to the Community Charter.
3. THAT Council submit a resolution, as outlined in Section 4.1 of this report, to the Union of British Columbia Municipalities, as outlined in this report.

REPORT

The Financial Management Committee, at its meeting held on 2019 April 24, received and adopted the attached report requesting Council to support changes to the Community Charter to allow for prudent investor rules, thus expanding investment parameters and opportunities.

Respectfully submitted,

Mayor M. Hurley
Chair

Councillor S. Dhaliwal
Vice Chair

Copied to:	City Manager Director Finance
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TO: CHAIR AND MEMBERS
FINANCIAL MANAGEMENT COMMITTEE

DATE: 2019 April 17

FROM: DIRECTOR FINANCE

FILE: 7500-01

SUBJECT: EXPANDING INVESTMENT OPPORTUNITIES

PURPOSE: To request Council to support changes to the Community Charter to allow for prudent investor rules, thus expanding investment parameters and opportunities.

RECOMMENDATIONS:

1. **THAT** the Committee recommend Council provide support for changes to the Community Charter to allow for expanded asset class investments under prudent investor rules.
2. **THAT** the Committee recommend Council request support from other municipalities for the requested changes to the Community Charter.
3. **THAT** the Committee recommend Council submit a resolution, as outlined in Section 4.1 of this report, to the Union of British Columbia Municipalities as outlined in this report.

REPORT**1.0 INTRODUCTION**

Financial investments form a critical part of the activities of a municipality, providing a source of revenues for capital expenditures and to offset cash flow fluctuations. The allowable investment parameters as laid out in the Community Charter is considered a “prescribed” or a “closed” set of legislated guidelines designed to protect municipalities from taking unnecessary or undue risks. The concept being that the current regulations provide for a list of instruments that can be placed in the portfolio, instruments that are considered the most creditworthy and least risky, such as provincial debt obligations and investments in financial institutions in Canada. What occurs in a market such as Canada, which represents less than 3% of the global economy, is an over concentration of holdings and limited investment diversification due to the regulation limitations.

The parameters set and limitations for investment powers and opportunities has not changed for decades in British Columbia. The purpose of the proposed changes to Section 183 of the Community Charter is to provide municipalities with the ability to obtain improved returns

through asset class diversification, which in return can reduce tax implications and funding costs associated with capital funding; while also reducing investment risks. Analysis and discussion for structured governance will be critical to determine the scope of change and authority granted through legislated changes. However, the purpose of this report is to start the conversation with the Province.

2.0 POLICY SECTION

Goal

- A Connected Community
 - Partnership –
Work collaboratively with businesses, educational institutions, associations, other communities and governments
- A Dynamic Community
 - Economic opportunity –
Foster an environment that attracts new and supports existing jobs, businesses and industries
 - Community development –
Manage change by balancing economic development with environmental protection and maintaining a sense of belonging
- A Thriving Organization
 - Financial viability –
Maintain a financially sustainable City for the provision, renewal and enhancement of City services, facilities and assets

3.0 MUNICIPAL INVESTMENTS

3.1 Investment Funds

Part 6, Division 3, Section 183 of the Community Charter provides investment guidelines to British Columbia municipalities. These legislated guidelines state that municipalities may invest or reinvest money that is not immediately required for expenditures as follows:

183 Money held by a municipality that is not immediately required may only be invested or reinvested in one or more of the following:

- (a) securities of the Municipal Finance Authority;
- (b) pooled investment funds under section 16 of the *Municipal Finance Authority Act*;
- (c) securities of Canada or of a province;

- (d) securities guaranteed for principal and interest by Canada or by a province;
- (e) securities of a municipality, regional district or greater board;
- (f) investments guaranteed by a chartered bank;
- (g) deposits in a savings institution, or non-equity or membership shares of a credit union;
- (h) other investments specifically authorized under this or another Act.

The British Columbia provincial government is responsible for the laws and framework that provide governance across the province. The *Municipal Act* has provided this guidance since the 1880's. In 1991, UBCM proposed the idea for the creation of a Bill of Rights for municipalities for the purpose of providing broader powers and greater freedoms for BC municipalities. The *Local Government Act* was then created and received Parliamentary approval in 1996. Finally, with Royal Assent in August 2001 of the *Community Charter Council Act*, a Community Charter Council was created for the purpose of developing the *Community Charter*.

BC municipalities have managed investment portfolios under these guidelines as a matter of fiduciary responsibility and with due diligence. Internal investment guidelines support each municipality's investment activities within the constraints of the *Community Charter*. While protectionist in nature, the regulations actually place inadvertent restrictions on the ability to generate higher rates of return and increased revenues, as well as limiting asset class diversification which is paramount to financial sustainability and risk diversification. Currently, BC municipalities can invest in two of the four main asset classes - money market (including cash equivalents) and fixed income (bonds). The other two asset classes include equities and real estate (or other tangible assets). This limitation in turn affects the portfolio real rate of return once inflation is considered and it affects annual taxation rates and other capital costs for a municipality.

3.2 Prudent Investor Rules

The prudent investor rule (aka prudent investor standard) requires the investment manager of an organization to conduct investment activities with care, skill and due-diligence for that which a prudent person would do when managing their own investments, such as property, cash or securities. Such a person would therefore deploy investments through a diversification strategy that can potentially reduce risks while enhancing returns.

A prudent investor would therefore have flexibility and seek opportunities based on market and economic cycles, as well as utilize diversification opportunities both in and outside of Canada. For a municipality, benefits from increased returns can reduce taxation requirements and fees. Without a change to provincial legislation, BC municipalities will continue to invest in

prescribed investment products which under varying market conditions, like the historical low interest rates experienced over the last 10 years that has in turn translated into the lowest yields and lower income.

3.3 Prudent Investor Rules – Other Jurisdictions

Various municipalities and pensions maintain prudent investor rules such as the cities of Ottawa, Edmonton, Calgary, Medicine Hat and more recently the City of Toronto. In 2000, the Canada Pension Plan began investing in equities and other investment products (real estate, commodities and futures) with the main goal of seeking higher returns and to stabilize the Canada Pension Plan (CPP) program for future generations. This change meant a more diversified and global deployment of funds for capital appreciation, taking advantage of a much larger global market than just Canadian content.

When the Province of Ontario decided to make changes to the municipal legislation, it was for the purpose of providing municipalities more flexibility. Thus, allowing local governments more freedom to invest available funds in a larger pool of diversified investment products. Providing the added flexibility and freedom could potentially deliver higher returns while lowering or removing systemic risks, reinvestment risks and interest rate risks. The Ontario government put in place specific requirements that a local government must meet to permanently opt into the prudent investor program. The logic was to ensure appropriate governance and structure was in place with separate guidance from an independent board for the expanded portfolio.

The City of Toronto is currently preparing to place their initial investments into equities now that the legislated requirements for prudent standards have been met. The City of Ottawa however has been investing endowment funds of over \$200 million since 2007. Ottawa conducted an RFP and hired two fund managers to manage the investments of the endowment. Applying prudent investment standards to the endowment funds has allowed the City of Ottawa to generate much higher yields over the last decade when compared to the funds invested based on the prescribed legislation. Also, the City of Ottawa is watching Toronto's activities closely and will contemplate the opt-in decision for the remaining portfolio funds as they have first-hand knowledge of the large differential in returns between their funds.

The City of Edmonton began investing in equities in 1995 with the creation of an endowment fund. A May 2014 staff white paper identified that through the use of asset class diversification, the endowment fund has contributed well over \$700 million to the City of Edmonton's operating budget and the fund has grown from \$445 million to \$710 million. Staff reports indicate that the change to investment structure has allowed the city to achieve cost efficiencies and to better align the portfolios with specific risk profile needs and objectivity. This in turn allows for the creation of new asset class investing, such as global infrastructure and emerging market equities, while achieving the goals of increasing overall returns and long term financial sustainability.

Another report highlighted that Edmonton home owners have saved over 7% for the period 2005 – 2014 on property taxes paid. Not only have the funds increased returns resulted in a reduction of the tax burden on citizens, but has and will continue to support the city's financial position

and sustainability. The investment diversification through prudent investor rules has meant an expanded revenue base for operating and capital budgets.

3.4 Prudent Investor Rules – Capacity and Knowledge

While providing expanded investment options to municipalities through legislation can achieve many benefits, consideration must be made regarding municipal capacity and expertise. Any change in legislation will require municipal input in determining the governance structure that will work best for the province and each municipality. With examples from Ontario and Alberta now in place, this presents a tremendous opportunity to learn from the legislative process and experiences and to understand the need for improvements and the request to change.

Because of the vast range of assignments and work conducted in municipal treasury, the current staff compliments most likely will not have the expertise to branch out into a larger array of investment asset class products. Indeed, smaller municipalities have very few staff that manage varying professional disciplines such as budgets, banking, trades payable, accounting and investments. There are however significant differences amongst the municipalities in the lower mainland and across the province when it comes to portfolio management expertise and knowledge. So governance must consider inclusion for all without creating additional costs and risks.

Such risks can be mitigated through pooling investments or contracts with qualified funds managers through the set-up of simplified but effective reporting standards and clear guidelines. Under prudent investment standards the need for monitoring the decisions made, portfolio performance, policy and governance principles becomes even greater. Setting the criteria by thoughtful consideration will ensure a more comprehensive and general acceptance and adaptation by municipalities. The goal is not to make prudent investing an impossible challenge, but to ensure there is significant and meaningful impact when prudent investment standards are followed.

4.0 REQUIRED CHANGE IN LEGISLATION

The City of Burnaby has maintained a concentrated and focused effort on the investment portfolio for over three decades. This attention has provided for consistently improved yields and income generation. While the City of Burnaby has outperformed market benchmarks and municipal peers, there are still missed opportunities due to investment restrictions based on the current legislation.

While protectionist in nature, a “prescribed” or “closed” set of guidelines can introduce unintended risks by being extremely limited, thus introducing systemic and interest rate risks to a municipal portfolio. This can increase in magnitude for a large portfolio that seeks additional product and yield within the limited reach and size of the Canadian fixed income market. The *Community Charter* provides clarity but does not empower a municipality to obtain greater investment variation and seek to reduce risk further through asset diversification and allocation.

It is therefore proposed that by providing prudent investor standards within the *Community Charter* or other provincial legislation, risk versus reward through asset class diversification can culminate into various funding and cash flow opportunities as returns increase. If the City of Burnaby moved 30% of current holdings to other asset classes for example (Edmonton has 60% of the endowment fund in equities), with only a 2.5% increase in yield on that portion of the portfolio, the annual additional revenue would be \$12.75 million per year.

The evidence is very clear from municipal examples to pension plans and historical analysis that asset mix is a critical determinant of long term investment fund stability, yield and income. Maintaining a set of guidelines that limits municipal investing to a restricted list of products within limited asset classes will result in what is occurring in many municipal portfolios today – yields that range from 1.50% - 3.00% with significantly reduced income. The current standards limit municipal investments to the Canadian market only and to the fixed income asset class which is based on Canadian interest rates only.

The size and utilization of the City's investment reserves, without debt payment obligations other than internally through annual depreciation, means we are well positioned for the longer term investment time horizon that is needed under other asset classes such as equities and real estate. Providing proficient and transparent oversight to the investment portfolio ensures the City of Burnaby is acting in the best interest of citizens. This also means identifying that as investment markets and economies have changed over the years, opportunities have been missed. The best starting point is to begin the conversation about making changes to the current investment legislation in British Columbia.

And while those opposed to change may suggest that introducing the prudent investor rules will bring with it needless risks, one must consider that risk is defined in many ways, including the long term financial sustainability of municipalities and the tax burden placed on residents. Risk diversification also means fund managers and fund management, not just guarantors and asset class diversification. Risk management means a governance structure that takes into consideration the varying investment strategies that can be deployed and empowering municipalities to diversify and grow for future generations of citizens. For these reasons, updating legislation to include prudent investment rules is practical and warranted.

4.1 Resolution: Expanded Asset Class Investments Under Prudent Investor Rules

Given the discussion above, and recognizing that the ability to properly manage and grow assets is an important role of local government, the following resolution has been prepared for the Committee and Council's consideration.

WHEREAS financial investments form a critical part of the activities of a municipality, providing a source of revenues for capital expenditures and to offset cash flow fluctuations;

To: Financial Management Committee
From: Director Finance
Re: Expanding Investment Opportunities
2019 April 24..... Page 7

AND WHEREAS allowable investment parameters as laid out in the *Community Charter* is considered a “prescribed” set of legislated guidelines.

AND WHEREAS the Provinces of Alberta and Ontario have implemented a wider scope for local government investment, which responds to the needs of local governments of all sizes:

THEREFORE BE IT RESOLVED that the Union of BC Municipalities request the Ministry of Finance to amend the *Community Charter* to provide municipalities with the ability to obtain improved returns through asset class diversification, which in return can reduce tax implications and funding costs associated with capital funding, while also reducing investment risk.

5.0 RECOMMENDATIONS

It is recommended that the Committee recommend Council provide support for changes to the Community Charter to allow for expanded asset class investments under prudent investor rules. It is also recommended that the Committee recommend Council request support from other municipalities for the requested changes to the Community Charter and that a resolution, as outlined in Section 4.1 of this report, be submitted to the Union of British Columbia Municipalities on this matter.



Noreen Kassam, CPA, CGA
DIRECTOR FINANCE

NK:DS /ml

Copied to: City Manager



May 7, 2019

Ref: 246050

Dear Local Governments:

As you are aware, housing availability and affordability are some of the biggest issues facing British Columbians today. That is why I am writing to let you know about exciting partnership opportunities that can be used to increase the supply of affordable housing in your community.

With the 30-point housing plan, the Government of British Columbia is making the largest investment in housing affordability in B.C.'s history—approximately \$7 billion over 10 years—through the **Building BC** funds. In the first year of this plan, we have already made significant investments in communities across British Columbia:

- **Building BC: Community Housing Fund (CHF)** will provide close to \$1.9 billion over 10 years to develop 14,350 units of mixed income, affordable rental housing for independent families and seniors. The new homes are designed to address the need for affordable housing across a range of income levels, in response to a housing crisis that has made housing unaffordable for even middle-class families. *Currently, more than 4,900 of these new homes have been approved in 42 communities. (See map: <https://www.bchousing.org/partner-services/Building-BC/community-housing-fund>)*
- **Building BC: Indigenous Housing Fund (IHF)** is a \$550 million investment over the next 10 years to build and operate 1,750 new social housing units for Indigenous families and seniors. *In Fall 2018, we announced 1,100 new affordable homes for indigenous peoples in 26 communities across B.C. (See news release for project list: <https://www.bchousing.org/news?newsId=1479152910395>)*
- **Building BC: Women's Transition Housing Fund (WTF)** is investing \$734 million over 10 years for 1,500 units of transition and second-stage housing to help women and children get out of violent and abusive situations and rebuild their lives. *More than 280 of these new spaces have been approved for 12 communities.*

.../2

- **Building BC: Supportive Housing Fund (SHF)**, an investment of \$1.2 billion over 10 years, will deliver 2,500 new homes with 24/7 support services for people who are experiencing homelessness or who are at risk of homelessness. This fund builds on the ***Rapid Response to Homelessness initiative*** (now fully subscribed) in which 2,000 homes with supports are currently being built in 22 communities across the province, with 1,285 units already opened.
- **Building BC: Capital Renewal Fund (CRF)** is a \$1.1 billion investment over the next 10 years to make existing B.C. social housing stock more livable, energy-efficient, and safer. This investment will make dramatic improvements to the existing social housing stock in the province and benefit thousands of British Columbians.

Many of these housing projects are underway, but I wanted to make sure you knew about upcoming opportunities to apply for future funding. BC Housing is interested in partnering with municipalities, non-profit housing providers, and community groups to create more innovative and sustainable housing solutions through the following:

- **Future RFP** - BC Housing will be issuing a second formal Request for Proposals for the *Community Housing Fund* and the *Indigenous Housing Fund* in 2020. We encourage groups interested in submitting proposals to start their planning early, to ensure their projects are ready when applications open. Interested organizations can visit bchousing.org/partner-services/funding-opportunities-for-housing-providers to learn more about these funding streams and their requirements.
- **Ongoing Opportunities** - BC Housing welcomes discussions with partners interested in developing new housing through the *Supportive Housing Fund* and/or the *Women's Transition Housing Fund*. Visit bchousing.org/partner-services/Building-BC to learn more or contact your local Director of Regional Development (contact list below).
- **Major Repairs for Existing Social Housing** - Funding is available for non-profit housing providers or housing co-operatives to support capital projects that maintain or benefit an existing social housing building's condition or improve the building's seismic or fire safety, as well as for projects focused on energy performance. Visit bchousing.org/partner-services/asset-management-redevelopment/capital-planning-repairs to learn more about eligibility criteria and how to apply, or speak with the local Regional Non-Profit Portfolio Manager.
- **The HousingHub** is a new division within BC Housing, and was established to seek innovative partnerships with local housing organizations, community land trusts, Indigenous groups, faith-based groups, charities, the development community, financial institutions and other industries to create affordable rental housing and homeownership options for middle-income British Columbians. As a centre for housing expertise and collaboration, affordable housing will be developed through the HousingHub either through new construction or through the redevelopment of existing sites. Partners bring suitable land, equity and/or the catalyst for development. The HousingHub can provide:
 - Expertise to provide advice on assisting the group in the planning and development process
 - Access to pre-development funding
 - Low-cost financing
 - Project coordination advice
 - A place for organizations to collaborate

Learn more: www.bchousing.org/partner-services/housinghub

.../3

There are many ways that municipalities can help to partner with BC Housing, such as providing city-owned land or waving Development Costs Charges, as a few examples. If you have an identified housing need in your community, we are hoping that you will help share some of these opportunities with interested community groups in your area. If you are interested in providing housing but are unsure of how to connect with a non-profit, BC Housing or the BC Non-Profit Housing Association can help you identify housing non-profits that operate in your region.

While BC Housing will be promoting these opportunities, we are hoping that you will also reach out to encourage key stakeholders in your community to apply. We have included a *Building BC* factsheet to help you promote these opportunities.

Please have interested key stakeholders in your community contact their local Director of Regional Development for more information:

Region	Director of Regional Development	Email
Interior Region	Danna Locke	dlocke@bchousing.org
Northern Region	Amy Wong	awong@bchousing.org
Vancouver Coastal & Fraser Region	Naomi Brunemeyer	nbrunemeyer@bchousing.org
	James Forsyth	jforsyth@bchousing.org
Vancouver Island	Malcolm McNaughton	mmcnaughton@bchousing.org
HousingHub	Raymond Kwong	rk Wong@bchousing.org

Thank you in advance for your support in helping to bring more affordable housing to your community.

Sincerely,

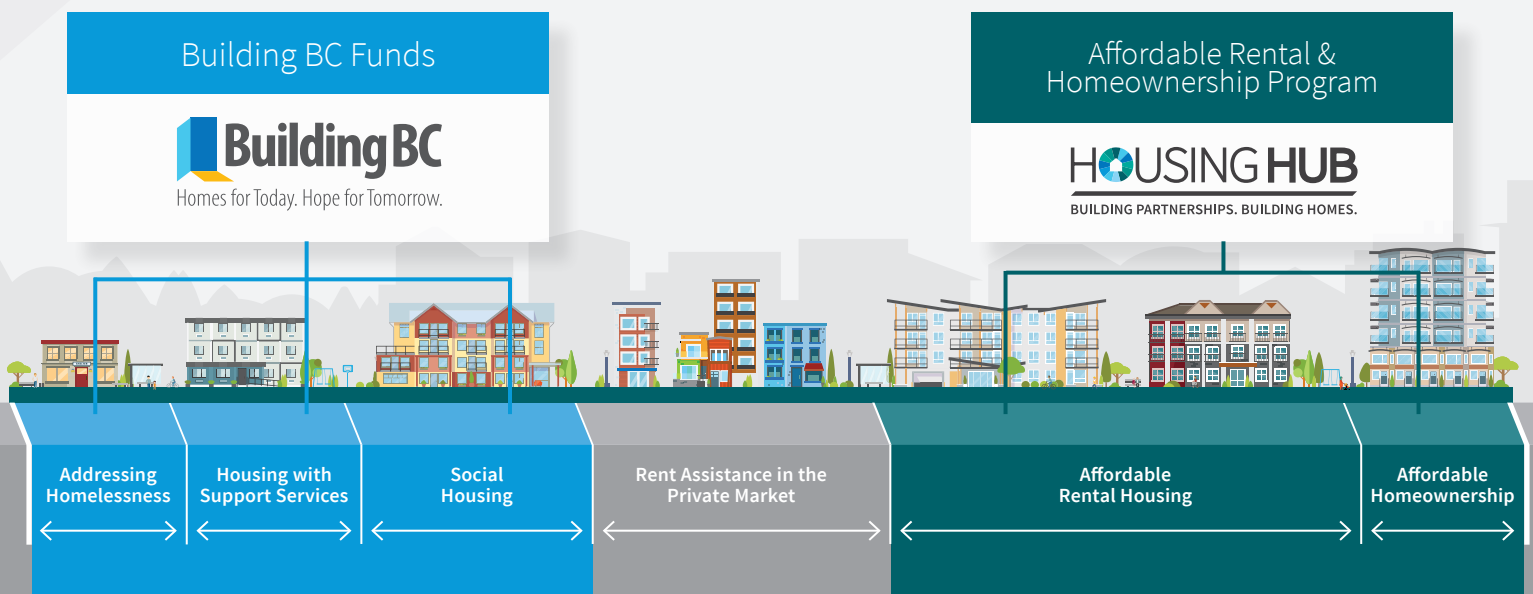


Selina Robinson
Minister

Enclosure

Partnering with BC Housing to Build Affordable Housing

BC Housing welcomes the opportunity to work with individuals and organizations to create affordable housing solutions. We work in partnership with non-profit sectors and private sectors, community and Indigenous groups, provincial health authorities, ministries and other levels of government. As a partner, we build and facilitate community and business partnerships to find innovative solutions to housing.



►►► How to apply

Visit us online to learn more about how to partner with BC Housing.

►►► Funding Opportunities for Housing partners

Website: bchousing.org/partner-services/funding-opportunities-for-housing-providers

Provincial Director, HousingHub

Raymond Kwong: rkwong@bchousing.org

Vancouver Coastal & Fraser Regional Directors

Naomi Brunemeyer: nbrunemeyer@bchousing.org

James Forsyth: jforsyth@bchousing.org

Interior Regional Director

Danna Locke: dlocke@bchousing.org

Northern Regional Directors

Amy Wong: awong@bchousing.org

Vancouver Island Regional Director

Malcolm McNaughton:
mmcnaughton@bchousing.org

Building BC Funds

Supportive Housing Fund

\$1.2 billion

An investment of **\$1.2 billion over 10 years to deliver 2,500 new homes** with 24/7 support services for people who are experiencing homelessness or who are at risk of homelessness.



Adults over 19 who are homeless or at risk of homelessness.



Affordable rental housing with onsite support services.



Non-profit housing providers that are interested in providing property management and support services.

Ongoing opportunities

Community Housing Fund

\$1.9 billion

This investment will provide close to **\$1.9 billion over 10 years to develop 14,350 units** of mixed income, affordable rental housing for independent families and seniors.



Families and seniors capable of living independently, without on-site support.



Affordable rental housing that includes: 30% affordable housing (moderate income), 50% rent geared to income (housing income limit), and 20% deep subsidy.



Non-profit housing providers or for-profit firms that partner with non-profit societies who are interested in developing and operating new rental units.

Future Proposal Call

Women's Transition Housing Fund

\$734 million

The Province is investing **\$734 million over the next 10 years to build and operate 1,500 new units** to support women and children at risk of violence.



Women and their children who are at risk of violence and/or who have experienced violence.



There are four typical models: safe home, transition house, second stage housing, and permanent housing.



Non-profit service providers who are interested in developing and operating new rental housing.

Ongoing opportunities

Indigenous Housing Fund

\$550 million

The Province is investing **\$550 million over the next 10 years to build and operate 1,750 new social housing units** for indigenous families and seniors.



Indigenous families, seniors, individuals, and persons with a disability.



Affordable rental housing.



Indigenous non-profit housing providers, First Nations, Metis Nation BC, non-profits, and developers who want to partner with Indigenous organizations and First Nations.

Future Proposal Call



How to apply

Visit us online to learn more about how to partner with BC Housing.

Building BC Funds

Website: bchousing.org/partner-services/Building-BC
Email: Mike Lachocki at purchasing@bchousing.org

Building New Affordable Housing in BC

The *HousingHub* was developed to increase the supply of affordable housing for British Columbians, and is one of several new provincial initiatives introduced in *Homes for BC*: A 30-Point Plan for Housing Affordability in British Columbia.

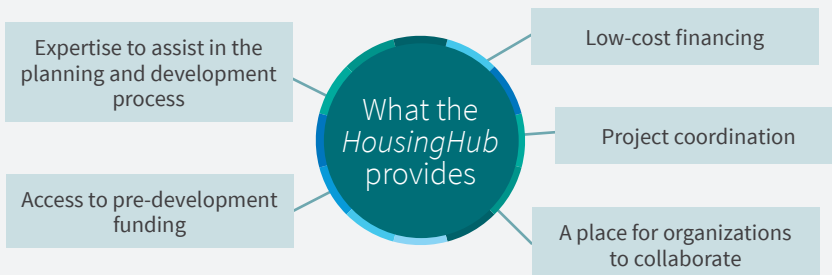
The *HousingHub* is a division within BC Housing, and was established to seek innovative partnerships with local housing organizations, community land trusts, Indigenous groups, faith-based groups, charities, the development community, financial institutions and other industries to create affordable rental housing and homeownership options for middle-income British Columbians.

As a centre for housing expertise and collaboration, the *HousingHub* develops affordable housing through new construction, or through the redevelopment of existing sites.

Increasing the Housing Supply

The *HousingHub* seeks partnerships with levels of government to:

- Increase the supply of affordable rental housing
- Improve the ability of renters to move into homeownership, thus freeing up rental stock

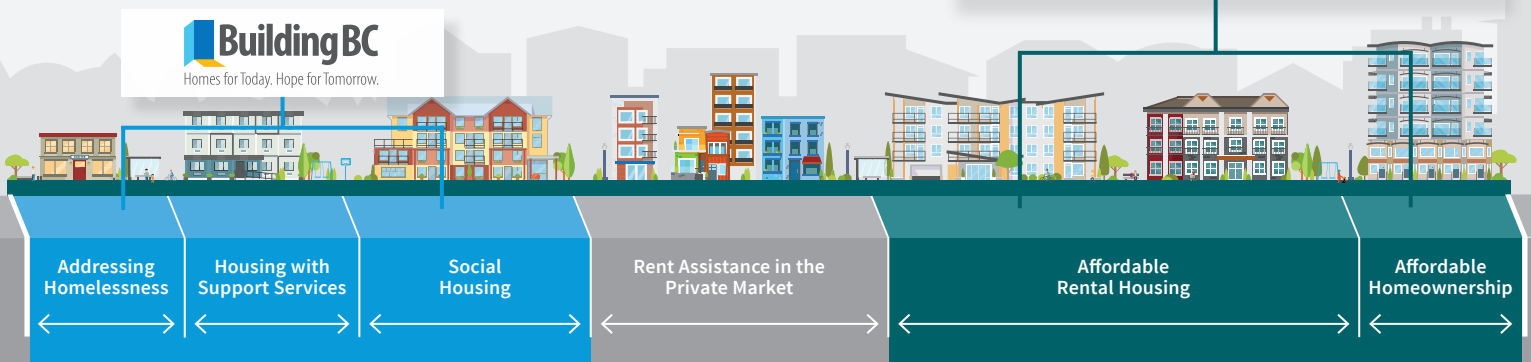


HOUSING HUB
BUILDING PARTNERSHIPS. BUILDING HOMES.

Middle income British Columbians, households with **average incomes between \$70,000-\$150,000**, depending on the community.

Affordable rental housing at or below market rate, affordable homeownership.

Non-profits and private developers, faith groups, property owners, federal and local governments, and Indigenous partners.



▶▶ Visit website:
bchousing.org/partner-services/housinghub
to learn more

▶▶ Phone: 604-439-4757
Provincial Director, HousingHub
Raymond Kwong: rkwong@bchousing.org



2019 - 2022 Council Strategic Plan

Anmore Vision:

The Village of Anmore is an independent and fiscally responsible community that values the environment, a social conscience, quality of life, and being close to nature.

We have an engaged community that is immensely proud of Anmore

- a. Create a civic centre
- b. Increase Anmore's identity and influence
- c. Provide high-level communications
 - i. Training / professional assistance
 - ii. Public engagement
 - iii. Engage residents to assist in providing clear direction
 - iv. Entrance signs
- d. Continue to enhance community events and social engagement
- e. Increase community involvement
- f. Encourage diversity in community governance
- g. Practice environmental stewardship

We have sustainable housing opportunities that represent the interests of all our citizens

- a. Create opportunities for aging in place
- b. Create opportunities for young families
- c. Create opportunities for complementary mixed use
- d. Ensure the OCP aligns with strategic priorities

Priority Projects:

- **Build the Village Centre**
- **Enhance the trail network**
- **Diversify the tax base**
- **Control our destiny**
- **Financial security**
- **Explore alternative housing opportunities**

Through collaborative relationships with government and stakeholder partners, we guarantee Anmore is self-sufficient in the future

- a. Protect and enhance the future of neighbouring regional parks
- b. Provide alternative options for sewer collection and treatment
- c. Connect to the Metro Vancouver water system (GVWD) or alternate sources
- d. Ensure future transportation capacity for Anmore, neighbouring communities, and regional parks

We provide responsive, efficient, transparent and engaged service

- a. Continue to provide an effective and sustainable fire service
- b. Ensure Anmore continues to be an employer of choice
- c. Support the great staff in Anmore
- d. Continue measures to ensure long-term fiscal responsibility
- e. Maintain and enhance service levels

We unleash the potential for great development that advances the interests of the community

- a. Create opportunities to live, work, shop and play within Anmore
- b. Ensure that the expectations of potential developers are well defined
- c. Ensure any development of the IOCO lands is considered in a thoughtful and inclusive manner
- d. Create sub-area plans to define the future for the IOCO lands, Hillside and the Village Centre
- e. Establish Anmore as a destination
 - i. Gathering spaces
 - ii. Village centre
 - iii. Linked trails
 - iv. Parking
- f. Provide guidance on Development amenities
 - i. Review Community Amenity Contributions
 - ii. Renew the Development Cost Charge Bylaw



2018 ANNUAL WATER QUALITY REPORT

Public Works Department
Village of Anmore
Prepared by: Luke Guerin, Operations Superintendent

Foreword

Under the *British Columbia Drinking Water Protection Act* and the *British Columbia Drinking Water Protection Regulation* (BCDWPA & BCDWPR) the Village of Anmore is required to conduct water quality monitoring in the Village's distribution system and to publish the results in an annual report. This document fulfills that requirement by presenting a summary and discussion of all water quality sampling results for the year 2018. An overview of projects and events as they relate to drinking water in the Village of Anmore is also provided in this report.

Please visit the following web sites for further information:

Health Canada

<http://www.hc-sc.gc.ca/ewh-semt/water-eau/drink-potab/guide/index-eng.php>

Ministry of Health

http://www.health.gov.bc.ca/protect/dw_index.html

Health Link BC File #56 - Persons with compromised or Weakened Immune Systems

<http://www.healthlinkbc.ca/healthfiles/hfile56.stm>

Metro Vancouver

<http://www.metrovancouver.org/services/water/Pages/default.aspx>

Village of Anmore

<http://www.anmore.com>

USEPA

<http://www.epa.gov/safewater/mcl.html>

World Health Organization

http://www.who.int/water_sanitation_health/publications/2011/dwq_guidelines/en/index.html

Emergency Water Quality Contact Information

Luke Guerin

Operations Superintendent

Phone: 604-469-9877

Cell: 604-315-0360

E-mail: luke.guerin@anmore.com

Public Works Yard

Phone: 604-469-6622

After Hours Emergency

Phone: 604-817-7745

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Acronyms

AO: Aesthetic Objective

ASTTBC: Applied Science Technicians and Technologists of British Columbia

BCDWPA: British Columbia Drinking Water Protection Act

BCDWPR: British Columbia Drinking Water Protection Regulation

DBP: Disinfection By-Products

DWMP: Metro Vancouver Drinking Water Management Plan

E.coli: Escherichia coli

EOCP: Environmental Operators Certification Program

GCDWQ: Guidelines for Canadian Drinking Water Quality

HAA: Haloacetic Acid

HPC: Heterotrophic Plate Count

MAC: Maximum Acceptable Concentration

Mg/l: Milligrams per Liter

NTU: Nephelometric Turbidity Units PPB: Parts Per Billion

PPM: Parts Per Million

PRV: Pressure Regulating Valve

PVC: Polyvinyl Chloride

SCADA: Supervisory Control and Data Acquisition

SCFP: Seymour – Capilano Filtration Plant

THM: Trihalomethane

UDF: Uni-directional Flushing

WQMRP: Water Quality Monitoring and Reporting Plan for Metro Vancouver and Member Municipalities

YTD: Year-to-Date

Executive Summary

The Village of Anmore supplies drinking water to residential and commercial customers within Village limits. The Village of Anmore is dedicated to providing high quality, aesthetically pleasing drinking water at a reasonable cost.

The Village contracts the collection and testing of water samples to the Metro Vancouver Regional District, who collects the samples from the distribution system on a routine basis. This report includes a summary and discussion of the results of all sampling conducted on the Village's water distribution system during 2017 as well as a discussion of projects and events affecting water quality within the Village of Anmore. A complete record of 2017 water quality sampling results can be found in the appendices of this report.

As per the Water Quality Monitoring and Reporting Plan for Metro Vancouver and Member Municipalities (WQMRP) water samples are collected from the distribution system and analyzed for:

- **Chemical and Physical Parameters**
 - o Metals
 - o Vinyl chloride
 - o Temperature
 - o Free chlorine
 - o Minerals
 - o Disinfection by-products
 - o Turbidity
- **Bacterial Parameters**
 - o E.Coli
 - o Heterotrophic Plate Count (HPC)
 - o Total Coliforms

All sample results for E.Coli and Total Coliforms were negative. HPC's met the guidelines in all instances. Sample results for chemical and physical parameters addressed in the *Guidelines for Canadian Drinking Water Quality (GCDWQ)* were well under their respective Maximum Acceptable Concentration (MAC) values.

As part of our commitment to continual improvement, reliable service and high water quality, the Village completes operational and capital projects as well as water quality sampling on an ongoing basis. In 2017 the Village completed:

- Routine inspection and maintenance of all water distribution facilities
- Dead end and uni-directional water main flushing
- Upgrading of watermain on Sunnyside Road between Leggett and Eaglecrest

1.0 Water Distribution System Data

1.1 System Infrastructure

The tables in this section provide a snapshot of the Village of Anmore's water distribution system. All of the components listed, with the exception of the private hydrants, and private pump station are operated and maintained by the Village's Public Works Department.

Table #1: Length of Pipe in System

Total Length of all Pipes in Distribution System	26,000 meters
--	---------------

Table #2: Fire Hydrants

Fire Hydrants	#
Village Hydrants	151(approx.)
Private Hydrants	3
Total	154(approx.)

Table #3: Critical Water System Components

Asset	#
Pressure Reducing Valves	8
Pump Stations	4 (1 Private)
Reservoirs	0
Chlorine Booster Stations	1

In addition to the pipe, fire hydrants, and critical components, there are many other smaller components to Anmore's water distribution system, including:

- Water meters
- Air valves
- End of line blow off valves
- Line valves
- Sampling stations

All of these components work in concert to help the Village deliver safe, reliable drinking water to customers.

1.2 Public Response

In 2018 the Village's Public Works Department responded to one water quality related concern regarding water discolouration, of which the source was later determined to be the resident's hot water tank, one concern related to chlorine levels following the installation of a new water main and two water pressure related complaints. Typical customer concerns, include taste and odour complaints, chlorination complaints

and pressure concerns.

Current best management practices prescribed by Fraser Health, the GCDWQ, and the USEPA Surface Water Treatment Rule recommend maintaining a minimum of 0.20mg/l free chlorine in the distribution system (Health Canada, 2010) (Health Canada, 2009) (USEPA, 2004) (USEPA, 2002). The Village of Anmore aims to maintain free chlorine residual concentrations between 0.20 mg/l and 1.2 mg/l. If residents wish to remove chlorine from their water prior to drinking, the best way to do so is with an activated carbon filter, such as a Brita, or by filling a jug of water and letting it stand uncovered overnight.

Notification is provided to all residents by way of mail drop, as well as postings on the Village's website and community sign boards regarding regularly scheduled annual water main flushing. It is recommended that if a residents finds discoloured water as a result of flushing, that the water is left running until it clears.

1.3 Staff Certification

The Village of Anmore water distribution system is classified as a Level II system by the Environmental Operators Certification Program (EOCP). The Village's water system is monitored, operated, and maintained by qualified personnel who are certified by the EOCP. In addition to certification under the EOCP, Village of Anmore staff have training in Hypo chlorination, PRV Maintenance and Hydrant Maintenance.

Table #4 contains a summary of staff qualifications.

Table #4: Operator Certification

Certification Level	# of Staff
EOCP Water Distribution Level I	0
EOCP Water Distribution Level II	1
Total Qualified Staff	1

2.0 2018 Event Summary

2.1 Planning for the Future

The Village of Anmore is a growing community within the Lower Mainland, with an estimated population of 2,210 residents (based on 2016 Census). Anmore's water system currently consists of 9 pressure zones, 2 pump stations, 8 pressure reducing stations, and includes over 25 km of water mains. Anmore receives potable water from the Metro Vancouver Coquitlam source via a 300 mm diameter supply connection from the City of Port Moody. The water supply and distribution infrastructure is a key focus of Anmore's strategic infrastructure priorities, and thus the need for Anmore to have a comprehensive Water Utility Master Plan (completed in 2015).

Anmore's Water Master Plan has provided an understanding of the capacity of its current system under existing and future demand requirements and identifies servicing opportunities and constraints to plan upgrades to the water utility in an economic and efficient manner. A Capital Upgrades Plan was provided with a proposed schedule and estimated costs to complete the works. Integral to the Water Utility Master Plan is the development of a hydraulic model for Anmore, which will allow for the review of the level of services provided to existing and future populations by the water utility. Future populations are forecasted to a 2032 planning horizon in the most recent Official Community Plan (OCP). Furthermore, an annual operations, maintenance, and inspection program and budget will be developed which will allow for sufficient monitoring and maintenance of the water utility assets. The cumulative costs of the recommendations will form part of a long-term financial plan with the eventual goal of having a financially sustainable utility.

2.2 "Flush" Message from the Fraser Health Authority

Fraser Health has recently revised its metals at the tap "Flush" message. They have asked that all water purveyors include the following message in their annual report:

Anytime the water in a particular faucet has not been used for six hours or longer, "flush" your cold-water pipes by running the water until you notice a change in temperature. (This could take as little as five to thirty seconds if there has been recent heavy water use such as showering or toilet flushing. Otherwise, it could take two minutes or longer.)

The more time water has been sitting in your home's pipes, the more lead it may contain.

Use only water from the cold-tap for drinking, cooking, and especially making baby formula. Hot water is likely to contain higher levels of lead.

The two actions recommended above are very important to the health of your family. They will probably be effective in reducing lead levels because most of the lead in household water usually comes from the plumbing in your house, not from the local water supply.

Conserving water is still important. Rather than just running the water down the drain you could use the water for things such as watering your plants (Zubel, 2014).

If residents have any questions they are encouraged to contact the Fraser Health's Drinking Water Program at 604-870-7900 or 1-866-749-7900.

3.0 Water Main Flushing Program

The Village of Anmore conducts uni-directional and dead end flushing in order to maintain a high level of water quality in the distribution system. Regularly flushing water mains removes stagnant water and deposits from pipes. Spot flushing is also conducted on an "as required" basis due to complaints or poor water quality sample results indicating elevated Heterotrophic Plate Counts (HPC), positive total coliform results, and/or elevated water temperature combined with depressed free chlorine residuals.

4.0 Water Quality Sampling and Testing

As per the *Water Quality Monitoring and Reporting Plan for Metro Vancouver and Member Municipalities* (WQMRP) sampling and analysis for numerous water quality parameters are conducted on the Village of Anmore's distribution system on a regular basis. Sample schedules for various constituents are broken into sections based on the number of samples recommended by the GCDWQ and/or mandated by the BCDWPR. Monitoring of drinking water in the Village's water distribution system is conducted for bacterial, chemical, and physical characteristics.

In 2018 a total of 65 bacteriological samples were collected from the Village's distribution system. The number of samples collected in 2018 was lower than previous years due to the fact that the 2697 Sunnyside Road sample station was decommissioned following the removal of the Old Village Hall. Table #6 presents the locations and descriptions of the four sample stations where Metro Vancouver staff collect water quality samples on a bi-weekly basis.

Table #6: Water Sampling Station Inventory

SAMPLE STATION	LOCATION	SOURCE WATER
ANM-470	3275 Sunnyside Rd.	Coquitlam (Via Port Moody)
ANM-471	1175 East Rd.	Coquitlam (Via Port Moody)
ANM-472	2505 Elementary Rd.	Coquitlam (Via Port Moody)
ANM-473	2697 Sunnyside Rd.	Coquitlam (Via Port Moody)

4.1 Chemical / Physical Quality

Water quality sampling for chemical and physical parameters including disinfection by-products, vinyl chloride, and metals is carried out on varying schedules. Table #7 modified from Metro Vancouver's WQMRP sets out a schedule requiring "approximately 10% of the sample sites in each municipal system to be sampled for the following parameters at the frequency shown (Metro Vancouver, 2008)."

Table #7: Chemical / Physical Monitoring in Municipal Distribution Systems

Parameter	Location	Frequency
Free Chlorine Residual	All	Tests run when bacteriological samples are taken
Copper	Municipal Distribution System**	Semi-annually
Haloacetic Acids	Municipal Sites – Cross section, representative of all three sources, minimum of one per municipality.	Quarterly
Iron	Representative municipal sites – unlined iron and steel mains.	Semi-annually
Lead	Municipal Distribution System**	Semi-annually
Odour	Any or all sites	Complaint Basis*
pH	Municipal Sites – cross section, representative of all sources, minimum of three per municipality.	Quarterly
Taste	Any or all sites.	Complaint Basis*
Temperature	Representative municipal sites.	Quarterly
Trihalomethanes	Municipal Sites – cross section, representative of all sources, minimum of three per municipality.	Quarterly
Turbidity	Municipal Sites – All	Collected with bacteriological samples
Vinyl Chloride	Municipal sites where PVC pipe is used in the distribution system – minimum of one per potentially affected system.	Semi-annually
Zinc	Municipal Distribution System**	Semi-annually

* If a complaint comes to Metro Vancouver, Metro Vancouver will bring it to the attention of the relevant municipality.

** The GCDWQ stipulate that samples for metals analysis should be from a flushed location. This provides rationale to sample for metals in the distribution system as opposed to locations in buildings.

4.1.1.1 Metals 7

Metals can enter the drinking water system from either the source watershed or in the distribution system itself. Historically the Village of Anmore's drinking water has contained very little metal compounds. The Village of Anmore monitors the water distribution system for metals. Sampling is conducted semi-annually as per the WQMRP.

A summary of relevant health based MAC and Aesthetic Objective (AO) standards for metals in drinking water can be found in Table #8. This table summarizes only those parameters listed in the GCDWQ that are captured by the current version of the WQMRP.

A complete record of 2018 metals sampling results can be found in Appendix #2.

Table #8: MAC and AO Metals Standards Modified from the Guidelines for Canadian Drinking Water Quality

Parameter	MAC (mg/l)	AO (mg/l)	Year of Approval (Re-affirmation)
Aluminum		[0.1 / 0.2]	1998
Antimony	0.006		1997
Arsenic	0.010		2006
Barium	1.0		1990
Cadmium	0.005		1986 (2005)
Chromium	0.05		1986
Copper		≤1.0	1992
Iron		≤0.3	1978 (2005)
Lead	0.010		1992
Manganese		≤0.05	1987
Mercury	0.001		1986
Selenium	0.01		1992
Sodium		≤200	1992
Zinc		≤5.0	1979 (2005)

4.1.2 Disinfection By-Products

Disinfection By-Product (DBP) formation occurs when chlorine in drinking water reacts with dissolved organic compounds. These reactions can produce two main groups of DBP compounds, Trihalomethanes (THM) and Haloacetic Acid (HAA). Monitoring for DBP's is conducted on a quarterly basis as set out by Metro Vancouver's WQMRP. 2018 THM and HAA sampling results from the Village's water distribution system were below the respective guideline limits.

A complete record of 2018 DBP sampling results can be found in Appendix #3.

4.2 Bacteriological Quality

All bacterial samples collected from municipal distribution systems are analyzed for total coliform and *E.coli* bacteria. These samples are also analyzed for the presence of heterotrophic bacteria. HPC bacteria provide an indicator of microbial growth in the distribution system and are used as an early warning to predict where water quality concerns may arise. The Village collects a minimum of 8 bacteriological samples per month. Further samples are collected by Village personnel on an as needed basis in response to water main breaks, operational adjustments, water quality complaints, or where cross-connections are suspected.

The quantity of bacterial samples collected from municipal water distribution systems is based on the population served. Under the BCDWPR the Village is required to collect a minimum of 4 bacteriological samples from the water distribution system per month based on population (under 5000). Figures #1 and #2 display the number of bacteriological samples collected from the Village's water distribution system

and the percentage of samples collected that returned HPC results greater than 500 CFU/ml each month. It should be noted that the statistical analysis of a small number of samples per month is subject to skewing of results due to the limited number of samples. For example, if less than 10 samples were submitted in a month and one sample was positive, the percentage of samples containing coliforms would exceed the standard of 10%.

A complete record of 2018 bacteriological water quality sampling results can be found in Appendix #1. The Village of Anmore's results were all within regulatory limits for 2018.

Figure #1: Number of Bacterial Samples Analyzed / Month

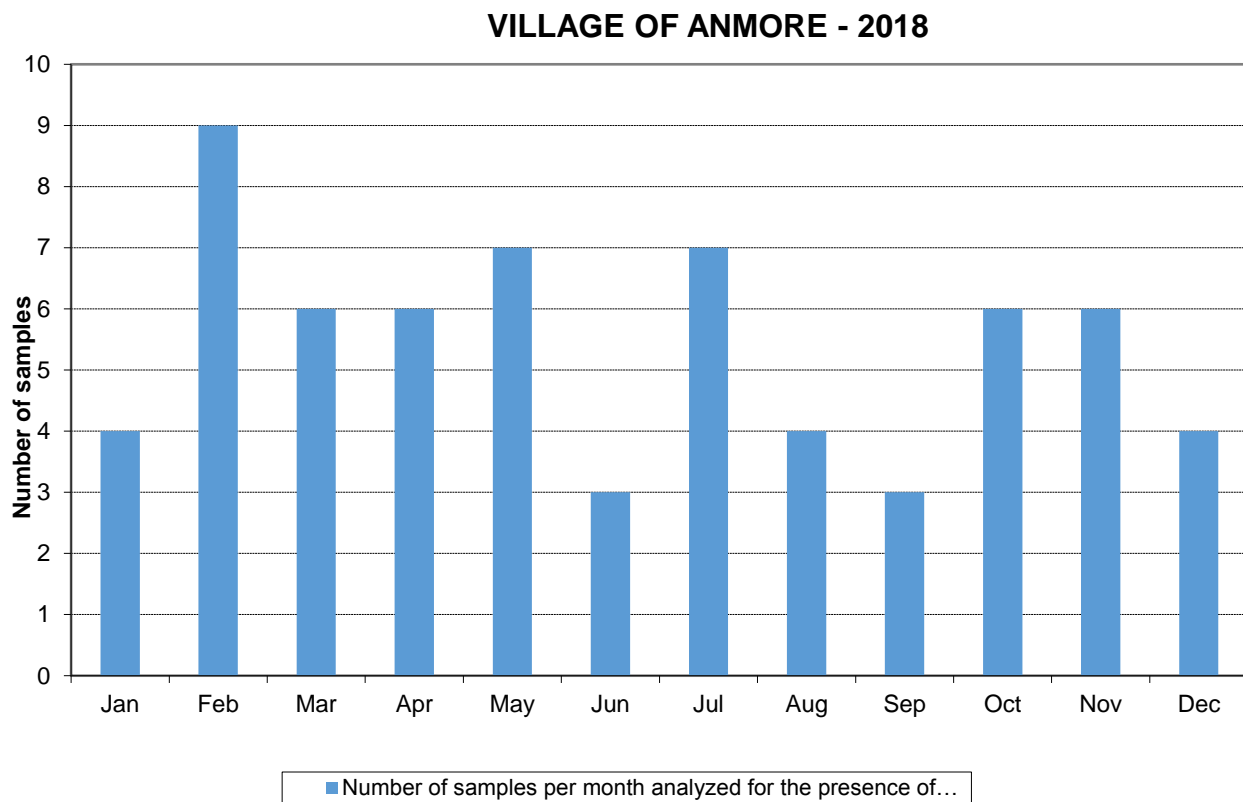


Figure #2: 2018 Monthly Heterotrophic Plate Count

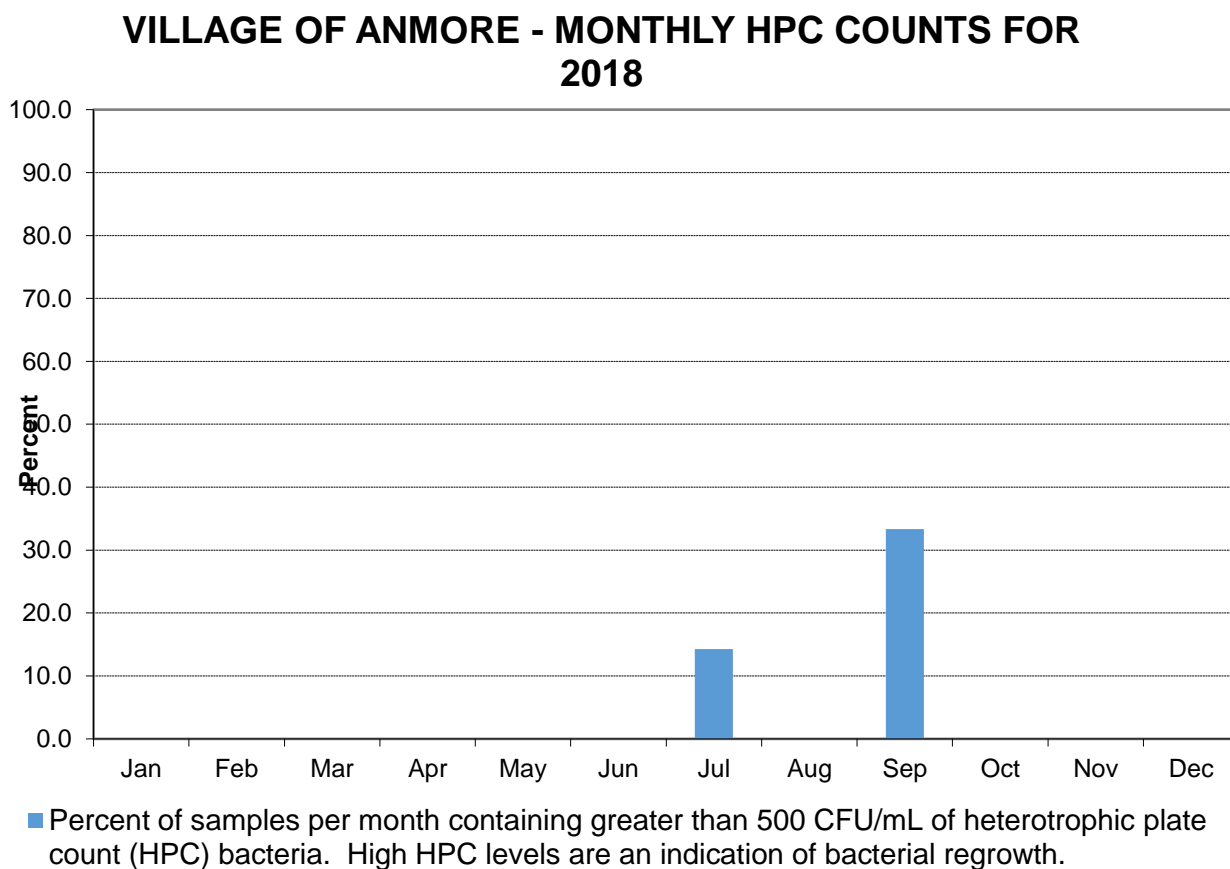
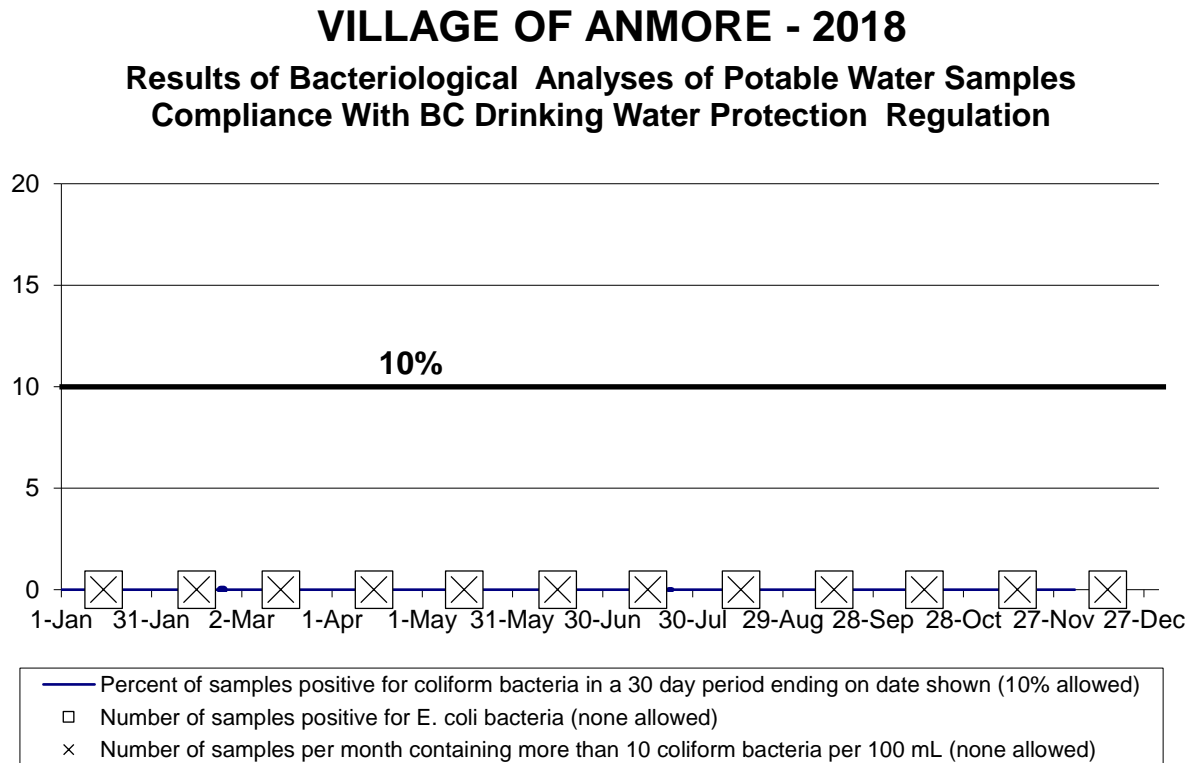


Figure #3: Results of Bacteriological Analysis of Potable Water Samples and Compliance with BCDWPR



Tables #9 and #10, which are modified from Schedule A and B of the BCDWP, define bacteriological water quality monitoring requirements for all water purveyors under the act and regulation.

Table #9: Water Quality Standards for Potable Water (Sections 2 & 9)

Parameter:	Standard:
Fecal coliform bacteria	No detectable fecal coliform bacteria per 100ml
Escherichia coli	No detectable Escherichia coli per 100 ml
Total coliform bacteria	
(a) 1 sample in a 30 day period	No detectable total coliform bacteria per 100 ml
(b) more than 1 sample in a 30 day period	At least 90% of samples have no detectable total coliform bacteria per 100ml and no sample has more than 10 total coliform bacteria per 100ml

(Province of British Columbia, 2011)

Table #10: Frequency of Monitoring Samples for Prescribed Water Supply Systems (Section 8)

Population Served by the Prescribed Water Supply System:	Number of Samples Per Month:
less than 5,000	4
5,000 to 90,000	1 per 1,000 of population
more than 90,000	90 plus 1 per 10,000 of population in excess of 90,000

(Province of British Columbia, 2011)

4.3 Free Residual Chlorine

Water distributed by the Village contains a disinfectant called free chlorine. Maintaining an adequate disinfectant residual in a potable water distribution system is vital to preserving public health.

Disinfectant in the distribution system:

- Ensures that microorganisms hazardous to public health are inactivated
- Provides an indicator of distribution system upset
- Controls biofilm growth

(USEPA, 2007)

Free residual chlorine concentrations in water received by the Village from Port Moody generally varies and is not at concentrations high enough to provide adequate disinfection throughout the Village. Reduced concentrations of disinfectant have historically been a challenge for the Village's water system. Prior to the commissioning of the permanent Chlorine Booster Station in December of 2013, Anmore's Water System had little to no chlorine residual.

Tables #11, #12 and Figure #4 provide a summary of the number of samples collected from each sample station that were found to have free chlorine concentrations less than 0.20 mg/l. A map of all water quality sample collection points regularly sampled by the Village can be found in Appendix #4.

Table #11: Percentage of Samples / Month with < 0.20 mg/l Free Chlorine

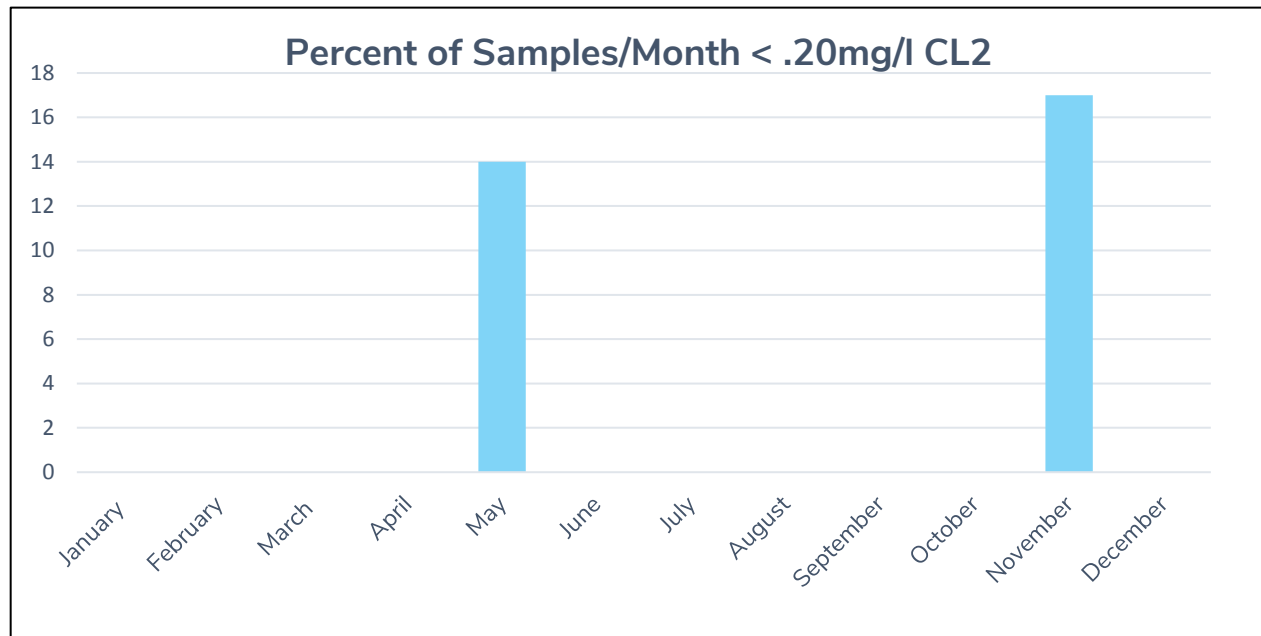
Month	# of Free Cl ₂ Samples <0.20 mg/l	Total Number of Samples Taken	Percentage of Samples / Month With Less Than 0.20 mg/l Free Cl ₂
January	0	4	0%
February	0	9	0%
March	0	6	0%
April	0	6	0%
May	1	7	14%
June	0	3	0%
July	0	7	0%
August	0	4	0%
September	0	3	0%
October	0	6	0%
November	1	6	17%
December	0	4	0%
Total	2	65	3%

Table #12: Summary of Chlorine Residual Sampling by Station

Sample Station	Total Number of Samples with <0.2 mg/l Free Chlorine	Total Number of Samples per Station	Percentage of Samples with <0.2 mg/l Free Chlorine
ANM-470	0	22	0%
ANM-471	1	21	5%
ANM-472	0	20	0%
ANM-473	1	2	50%
All Stations	2	65	3%

See Appendix #4 for Sampling Station Map

Figure #4: Percentage of Samples / Month with < 0.20 mg/l Free Chlorine



5.0 Water Distribution System Projects

5.1 Future Planning

In the spring of 2015 the Village completed a comprehensive study of the water utility .The intent of this study work was to develop a Water Utility Master Plan that will guide the operation, maintenance, upgrading and expansion and renewal of the utility in a sustainable manner. This Plan has established the existing infrastructure assets, assessed the condition of the assets, and identified any deficiencies that affect the immediate and long-term function of these assets. The data gathered through these processes will be utilized to establish common maintenance/operating practices, future capital improvements and assist with updating strategic priorities as relates to water utility infrastructure planning.

In 2018, as part of the Plan, the Village replaced the remaining PVC water mains on Seymour View Road with the current standard, AC.



5.2 Emergency Response Plan

In the event of an emergency, the Village may enact its Water System Emergency Response Plan. The goals of this plan are as follows:

- Rapidly restore service after an emergency
- Ensure adequate water supply for fire protection
- Minimize loss of service to users
- Provide emergency information to public
- Re-establish critical operations

Conclusion

This year (2018) Public Works staff at the Village of Anmore have continued improvements to the day to day operations of the water utility and continue to work closely with Fraser Health Authority to ensure safe, clean potable water for the Village's residents.

Every year the Village budgets for the study, maintenance, and replacement of critical components of the water distribution system and 2018 was no exception. Continued resource focus on the operation and maintenance of the Village's water system along with completing critical infrastructure upgrades will be pivotal to maintaining a high level of drinking water quality in the coming years.

Works Sited

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Appendix #1

Bacterial Analysis

Sampling point	Sample type	Sample reported name	Sampled date	Chlorine Free mg/L	Ecoli MF/ 100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/ 100mLs	Turbidity NTU
ANM-472	Grab	3275 Sunnyside Road	10-Jan-18	0.64	<1	<2	9	<1	0.41
ANM-473	Grab	2505 Elementary	10-Jan-18	0.65	<1	<2	8	<1	0.46
ANM-470	Grab	2697 Sunnyside Road	10-Jan-18	0.52	<1	<2	8	<1	0.53
ANM-471	Grab	1175 East Road	10-Jan-18	0.49	<1	8	8	<1	0.52
ANM-472	Grab	3275 Sunnyside Road	1-Feb-18	0.67	<1	2	7	<1	0.34
ANM-470	Grab	2697 Sunnyside Road	1-Feb-18	0.99	<1	<2	7	<1	0.39
ANM-471	Grab	1175 East Road	1-Feb-18	0.53	<1	<2	7	<1	0.48
ANM-472	Grab	3275 Sunnyside Road	14-Feb-18	0.83	<1	<2	6	<1	0.27
ANM-470	Grab	2697 Sunnyside Road	14-Feb-18	0.88	<1	<2	6	<1	0.33
ANM-471	Grab	1175 East Road	14-Feb-18	0.61	<1	<2	5	<1	0.41
ANM-472	Grab	3275 Sunnyside Road	28-Feb-18	0.83	<1	<2	5	<1	0.31
ANM-470	Grab	2697 Sunnyside Road	28-Feb-18	1	<1	<2	5	<1	0.36
ANM-471	Grab	1175 East Road	28-Feb-18	0.5	<1	<2	4	<1	0.39
ANM-472	Grab	3275 Sunnyside Road	13-Mar-18	0.44	<1	<2	5	<1	0.66
ANM-470	Grab	2697 Sunnyside Road	13-Mar-18	0.53	<1	<2	5	<1	0.46
ANM-471	Grab	1175 East Road	13-Mar-18	0.47	<1	<2	5	<1	0.41


Sampling point	Sample type	Sample reported name	Sampled date	Chlorine Free mg/L	Ecoli MF/ 100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/ 100mLs	Turbidity NTU
ANM-471	Grab	1175 East Road	27-Mar-18	0.71	<1	<2	6	<1	0.55
ANM-470	Grab	2697 Sunnyside Road	27-Mar-18	0.67	<1	<2	6	<1	0.33
ANM-472	Grab	3275 Sunnyside Road	27-Mar-18	0.5	<1	6	6	<1	0.43
ANM-472	Grab	3275 Sunnyside Road	3-Apr-18	0.63	<1	8	6	<1	0.37
ANM-470	Grab	2697 Sunnyside Road	3-Apr-18	0.76	<1	<2	6	<1	0.58
ANM-471	Grab	1175 East Road	3-Apr-18	0.54	<1	<2	6	<1	0.44
ANM-471	Grab	1175 East Road	18-Apr-18	0.53	<1	<2	7	<1	0.37
ANM-470	Grab	2697 Sunnyside Road	18-Apr-18	0.7	<1	2	7	<1	0.3
ANM-472	Grab	3275 Sunnyside Road	18-Apr-18	0.43	<1	<2	7	<1	0.29
ANM-472	Grab	3275 Sunnyside Road	17-May-18	0.47	<1	4	11	<1	0.27
ANM-470	Grab	2697 Sunnyside Road	17-May-18	0.89	<1	<2	11	<1	0.45
ANM-471	Grab	1175 East Road	17-May-18	0.97	<1	<2	11	<1	0.32
ANM-472	Grab	3275 Sunnyside Road	29-May-18	0.45	<1	<2	13	<1	0.32
ANM-470	Grab	2697 Sunnyside Road	29-May-18	1	<1	<2	13	<1	0.52
ANM-471	Grab	1175 East Road	29-May-18	0.68	<1	<2	11	<1	0.68
ANM-473	Grab	2505 Elementary	30-May-18	0.16	<1	440	13	<1	0.26

Sampling point	Sample type	Sample reported name	Sampled date	Chlorine Free mg/L	Ecoli MF/ 100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/ 100mLs	Turbidity NTU
ANM-472	Grab	3275 Sunnyside Road	13-Jun-18	0.43	<1	4	13	<1	0.23
ANM-470	Grab	2697 Sunnyside Road	13-Jun-18	0.64	<1	62	13	<1	0.39
ANM-471	Grab	1175 East Road	13-Jun-18	0.8	<1	42	12	<1	0.31
ANM-472	Grab	3275 Sunnyside Road	12-Jul-18	0.37	<1	110	16	<1	0.29
ANM-470	Grab	2697 Sunnyside Road	12-Jul-18	0.76	<1	90	15	<1	0.25
ANM-471	Grab	1175 East Road	12-Jul-18	0.66	<1	18	13	<1	0.27
ANM-472	Grab	3275 Sunnyside Road	26-Jul-18	0.34	<1	150	16	<1	0.37
ANM-470	Grab	2697 Sunnyside Road	26-Jul-18	0.62	<1	1100	18	<1	0.42
ANM-471	Grab	1175 East Road	26-Jul-18	0.66	<1	250	15	<1	0.48
ANM-470	Grab	2697 Sunnyside Road	30-Jul-18	0.55	<1	20	16	<1	0.35
ANM-471	Grab	1175 East Road	2-Aug-18	0.95	<1	<2	14	<1	0.25
ANM-470	Grab	2697 Sunnyside Road	2-Aug-18	0.83	<1	36	17	<1	0.24
ANM-472	Grab	3275 Sunnyside Road	2-Aug-18	0.3	<1	340	15	<1	0.2
ANM-472	Grab	2505 Elementary	10-Jan-18	0.64	<1	<2	9	<1	0.41
ANM-473	Grab	2697 Sunnyside	10-Jan-18	0.65	<1	<2	8	<1	0.46
ANM-470	Grab	3275 Sunnyside Road	10-Jan-18	0.52	<1	<2	8	<1	0.53

Sampling point	Sample type	Sample reported name	Sampled date	Chlorine Free mg/L	Ecoli MF/ 100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/ 100mLs	Turbidity NTU
ANM-471	Grab	1175 East Road	10-Jan-18	0.49	<1	8	8	<1	0.52
ANM-472	Grab	2505 Elementary	1-Feb-18	0.67	<1	2	7	<1	0.34
ANM-470	Grab	3275 Sunnyside Road	1-Feb-18	0.99	<1	<2	7	<1	0.39
ANM-471	Grab	1175 East Road	1-Feb-18	0.53	<1	<2	7	<1	0.48
ANM-472	Grab	2505 Elementary	14-Feb-18	0.83	<1	<2	6	<1	0.27
ANM-470	Grab	3275 Sunnyside Road	14-Feb-18	0.88	<1	<2	6	<1	0.33
ANM-471	Grab	1175 East Road	14-Feb-18	0.61	<1	<2	5	<1	0.41
ANM-472	Grab	2505 Elementary	28-Feb-18	0.83	<1	<2	5	<1	0.31
ANM-470	Grab	3275 Sunnyside Road	28-Feb-18	1	<1	<2	5	<1	0.36
ANM-471	Grab	1175 East Road	28-Feb-18	0.5	<1	<2	4	<1	0.39
ANM-472	Grab	2505 Elementary	13-Mar-18	0.44	<1	<2	5	<1	0.66
ANM-470	Grab	3275 Sunnyside Road	13-Mar-18	0.53	<1	<2	5	<1	0.46
ANM-471	Grab	1175 East Road	13-Mar-18	0.47	<1	<2	5	<1	0.41
ANM-471	Grab	1175 East Road	27-Mar-18	0.71	<1	<2	6	<1	0.55
ANM-470	Grab	3275 Sunnyside Road	27-Mar-18	0.67	<1	<2	6	<1	0.33
ANM-472	Grab	2505 Elementary	27-Mar-18	0.5	<1	6	6	<1	0.43
ANM-472	Grab	2505 Elementary	3-Apr-18	0.63	<1	8	6	<1	0.37

Appendix #2

Metals Monitoring

 metrovanancouver SERVICES AND SOLUTIONS FOR A LIVABLE REGION			
		ANM-470	ANM-472
	Sample Description	2697 Sunnyside Road	3275 Sunnyside Road
	Sample Date	13/06/2018 9:43	13/06/2018 9:27
	Sample Type	GRAB	GRAB
Aluminum Total	µg/L	93	77
Antimony Total	µg/L	<0.5	<0.5
Arsenic Total	µg/L	<0.5	<0.5
Barium Total	µg/L	2.3	2.3
Boron Total	µg/L	<10	<10
Cadmium Total	µg/L	<0.2	<0.2
Calcium Total	µg/L	976	1230
Chromium Total	µg/L	<0.05	<0.05
Cobalt Total	µg/L	<0.5	<0.5
Copper Total	µg/L	43.0	9.1
Iron Total	µg/L	60	43
Lead Total	µg/L	<0.5	<0.5
Magnesium Total	µg/L	83	83
Manganese Total	µg/L	9.5	1.6
Mercury Total	µg/L	<0.05	<0.05
Molybdenum Total	µg/L	<0.5	<0.5
Nickel Total	µg/L	<0.5	<0.5
Potassium Total	µg/L	106	109
Selenium Total	µg/L	<0.5	<0.5
Silver Total	µg/L	<0.5	<0.5
Sodium Total	µg/L	5140	5100
Zinc Total	µg/L	10.0	<3.0

**Second half of 2018 metals testing as per reports from Metro Vancouver:

ANM-472 and ANM-470 Lab Accident: Sites were sampled but discarded prior to being analyzed by the Metro Vancouver Chemistry Laboratory.

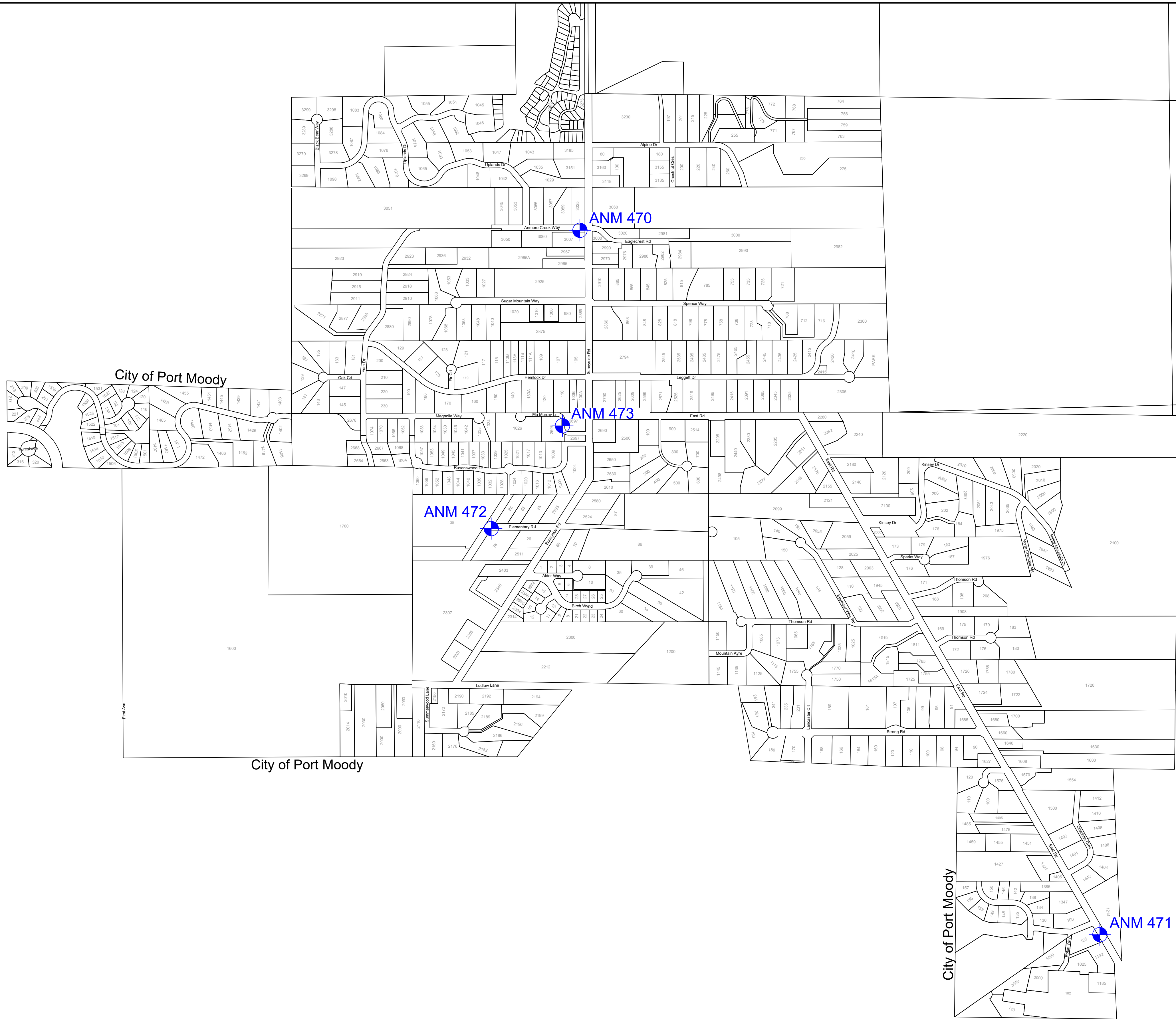
Appendix #3

Disinfection By-Product Monitoring

Sample	Date Sampled	THM (ppb)						HAA (ppb)						
		Bromodichloromethane	Bromoform	Chlorodibromomethane	Chloroform	Total Trihalomethanes	Total THM Quarterly Average (Guideline Limit 100 ppb)	Dibromoacetic Acid	Dichloroacetic Acid	Monobromoacetic Acid	Monochloroacetic Acid	Trichloroacetic Acid	Total Haloacetic Acid	Total HAA Quarterly Average (Guideline Limit 80 ppb)
ANM-470	19-May-17	<1	<1	<1	44	44		<0.5	39	1	3	60.8	104.9	
ANM-470	23-Aug-17	<1	<1	<1	26	26		<0.5	12	1	<2	11	24.1	
ANM-470	2-Dec-17	<1	<1	<1	40	41		<0.5	14	<1	<2	18.9	35.4	
ANM-470	14-Feb-18	<1	<1	<1	46	47	40	<0.5	46	<1	11	46.7	104.4	67
ANM-470	29-May-18	<1	<1	<1	33	35	37	0.6	22	<1	2	30.2	54.9	55
ANM-470	8-Aug-18	<1	<1	<1	29	30	38	<0.5	16	<1	3	20.3	39.1	58
ANM-470	21-Nov-18	<1	<1	<1	58	59	43	<0.5	19	<1	2	35.3	58	64
ANM-473	19-May-17	<1	<1	<1	44	44		<0.5	44	1	3	75.3	124.1	
ANM-473	23-Aug-17	<1	<1	<1	53	53		<0.5	7	<1	<2	12.1	19.6	
ANM-473	2-Dec-17	<1	<1	<1	59	60		<0.5	8	<1	<2	32.3	42.5	
ANM-473	29-Mar-18	<1	<1	<1	46.4	46.4	51	<1	15.6	<1	<5	34.2	49.8	59
ANM-473	30-May-18	1	<1	<1	47	48	52	<0.5	10	<1	<2	27.3	38.6	38
ANM-473	10-Aug-18	<1	<1	<1	34	35	47	<0.5	10	<1	<2	23.7	34.9	41
ANM-473	22-Nov-18	2	<1	<1	49	51	45	<0.5	4	<1	<2	10	15.2	35

Analysis done by a lab that is not MV.

Appendix #4
Anmore Water Quality Sampling Station Map



Reference Drawings	

Notes	

Stamp	

7					
6					
5					
4					
3					
2					
1	190510	CNB	FOR INFORMATION		CB
No	Date	By	Revisions		Eng.

Design by	CB	Date	MAY 2019
Drawn by	CNB	Date	MAY 2019
Checked by	CNB	Date	MAY 2019
Approved by	CNB	Date	MAY 2019

VILLAGE OF
ANMORE



Engineering
2697 Sunnyside Road Anmore, BC V3H 5G9

Scale	1:6000	Scale	-
horiz.		vert.	
Sheet	1	of	1
Eng. Project No.	32271		

Project	Village of Anmore
Description	Water Sampling locations

ADVISORY PLANNING COMMISSION – MINUTES

Minutes of the Advisory Planning Commission Meeting held on Monday, February 11, 2019 at 7:00 p.m. in Council Chambers at Village Hall, 2697 Sunnyside Road, Anmore, BC



MEMBERS PRESENT

Denny Arsene
Steve Hawboldt (Chair)
Julia Robertson
Bruce Scatchard
Olen Vanderleeden

MEMBERS ABSENT

Garnet Berg
Wayne Keiser

OTHERS PRESENT

Mayor John McEwen, Council Liaison
Jason Smith, Manager of Development Services

1. Call to Order

Chair Hawboldt called the meeting to order at 7:00 p.m.

2. Approval of the Agenda

It was MOVED and SECONDED:

"THAT THE AGENDA BE APPROVED AS AMENDED."

CARRIED UNANIMOUSLY

3. Minutes

- (a) **Minutes of the Advisory Planning Commission meeting held on December 10, 2018**

It was MOVED and SECONDED:

"THAT THE MINUTES OF THE ADVISORY PLANNING COMMISSION HELD ON DECEMBER 10, 2018 BE ADOPTED AS CIRCULATED."

CARRIED UNANIMOUSLY

4. Business arising from the Minutes

Nil

5. Unfinished Business

Nil

6. New Business**(a) Anmore Green Estates – Membership in the Greater Vancouver Sewerage and Drainage District, Official Community Plan and Regional Context Statement Amendments**

Jason Smith provided an overview of the staff report and outlined that the Village has commenced the process to connect Anmore Green Estates to the regional sewer system and explained the steps required to achieve this.

Discussion points included:

- Anmore Elementary is currently connected to sewer system without requirement for Anmore to become a member of Greater Vancouver Sewerage and Drainage District (GVSDDD).
- Whether there are alternative steps to remedy the failing septic system rather than connect to sewer? It was determined by professional engineers that the only viable option for this site from a technical standpoint was to connect to the sewer.
- Potential for additional development rights on the septic field is not permitted through current zoning.
- Costs associated with membership of GVSDDD would be borne by Anmore Green Estates through creating a local service area.
- Any other costs to village? Majority of cost incurred would be Staff and legal time related to connection, membership, and implementation of local service area.
- Need for school to participate in membership costs related to GVSDDD.
- \$7,000 - \$10,000 approximately per each homeowner to hook up to GVSDDD plus additional *annual membership costs*.
 - Annual costs to include Port Moody fee, usage fee, membership fee, capital for construction, hookup fees.
- Village anticipates that a Memorandum of Understanding will be entered into with Anmore Green Estates.
- Ministry of Environment and Fraser Health is the regulator of the septic systems within the Village.
- Up front capital costs for GVSDDD hook up would be lower than septic replacement.
- There is no plan under current Official Community Plan to expand connection to sewer throughout the Village.
- General septic system maintenance and environmental concerns.

- Connection to sewer may increase value of properties at Anmore Green Estates and there is potential that property may submit an application to subdivide into a bare land strata following connection.
- Resolution to the septic issue needs to occur.
- Ministry of Environment's desired option would be to hook up to sewer system.
- Concerns over this issue arising with other properties within the Village.
- Intent is to bring this back to Council in March as provincial deadline would be mid-April to gain approval for GVSDD membership.

It was MOVED and SECONDED:

"THAT THE ADVISORY PLANNING COMMISSION SUPPORT THE STAFF RECOMMENDATION FOR ANMORE GREEN ESTATES – MEMBERSHIP IN THE GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT (GVSD), OFFICIAL COMMUNITY PLAN AND REGIONAL CONTEXT STATEMENT AMENDMENTS WITH THE UNDERSTANDING THAT ANY ASSOCIATED COSTS OF MEMBERSHIP IN THE GVSD ARE BORNE BY THE BENEFICIARIES."

CARRIED UNANIMOUSLY

7. Adjournment

It was MOVED and SECONDED:

"TO ADJOURN."

CARRIED UNANIMOUSLY

The meeting adjourned at 8:00 p.m.

Certified Correct:

Approved:

Karen Elrick
Corporate Officer

Steve Hawboldt
Chair, Advisory Planning Commission

ENVIRONMENT COMMITTEE MEETING – MINUTES

Minutes of the Environment Committee Meeting held on
Tuesday, March 26, 2019 in Council Chambers at
Village Hall, 2697 Sunnyside Road, Anmore, BC



MEMBERS PRESENT

Councillor Paul Weverink, Chair
Coleen Hackinen
Trudy Schneider

MEMBERS ABSENT

Grace Bergman

OTHERS PRESENT

Jason Smith, Manager of Development Services
Patricia Van Der Lingen (Committee member effective April 1, 2019)

1. CALL TO ORDER

Chair Weverink called the meeting to order at: 7:03 p.m.

2. APPROVAL OF THE AGENDA

It was MOVED and SECONDED:

THAT THE AGENDA BE APPROVED AS CIRCULATED.

CARRIED UNANIMOUSLY

3. MINUTES

(a) Minutes of the Meeting held on October 18, 2018

It was MOVED and SECONDED:

THAT THE MINUTES OF THE ENVIRONMENT COMMITTEE MEETING
HELD ON OCTOBER 18, 2018 BE ADOPTED AS CIRCULATED.

CARRIED UNANIMOUSLY

4. BUSINESS ARISING FROM THE MINUTES

None.

5. UNFINISHED BUSINESS

None.

6. NEW BUSINESS**(a) Riparian Area Setbacks**

Discussion points included:

- Riparian Area Regulations and application of these regulations.
- Streamside Protection and Enhancement Area (SPEA) and concerns related to small streams.
- Building setbacks and concerns that buildings could be constructed at edge of SPEA.
- Tree removal which may create vulnerability for adjacent trees.

It was MOVED and SECONDED:

THAT COUNCIL CONSIDER ESTABLISHING REQUIREMENTS
TO HAVE A BUILDING SETBACK MEASURED FROM THE
STREAMSIDE PROTECTION AND ENHANCEMENT AREA
(SPEA) BOUNDARY.

CARRIED UNANIMOUSLY

7. ADJOURNMENT

It was MOVED and SECONDED:

TO ADJOURN.

CARRIED UNANIMOUSLY

The meeting adjourned at 8:16 p.m.

Certified Correct:

“Karen Elrick”

Karen Elrick
Manager of Corporate Services

Approved:

“Paul Weverink”

Councillor Paul Weverink
Chair, Environment Committee

COMMUNITY ENGAGEMENT, CULTURE AND INCLUSION COMMITTEE MEETING – MINUTES



Agenda for the Community Engagement, Culture and Inclusion Committee
Meeting scheduled for Thursday, April 11, 2019 at 4:00 p.m. in
Council Chambers at Village Hall, 2697 Sunnyside Road, Anmore, BC

MEMBERS PRESENT

Councillor Polly Krier, Chair
Kerri Palmer Isaak
Shaunda Moore
Trudy Schneider

MEMBERS ABSENT

Chloe Heisler

OTHERS PRESENT

Karen Elrick, Manager of Corporate Services*

1. CALL TO ORDER

Chari Krier called the meeting to order at 4:03 p.m.

2. APPROVAL OF THE AGENDA

It was MOVED and SECONDED:

That the agenda be approved as circulated.

CARRIED UNANIMOUSLY

3. MINUTES

(a) Minutes of the Meeting held on March 14, 2019

It was MOVED and SECONDED:

That the Minutes of the Community Engagement, Culture and Inclusion Committee meeting held on March 14, 2019 be adopted as circulated.

CARRIED UNANIMOUSLY

4. BUSINESS ARISING FROM THE MINUTES

None.

5. UNFINISHED BUSINESS

None.

6. NEW BUSINESS**(a) Committee Orientation**

Ms. Karen Elrick, Manager of Corporate Services, provided an overview of committee process and procedures.

Discussion points included:

- Process for minutes and recommendations to be brought forward to Council
- Clarification of Committee, Staff, and Council roles
- Follow up process for resolutions brought forward to and endorsed by Council

*Ms. Karen Elrick left the meeting at 4:30 p.m.

(b) Meeting Schedule for Current Term April 1, 2019 – March 31, 2021

It was MOVED and SECONDED:

That the Community Engagement, Culture, and Inclusion Committee set the meeting schedule for the April 1, 2019 to March 31, 2021 term as follows:

2nd Thursday of each Month at 4 p.m., or as needed.

CARRIED UNANIMOUSLY

(c) Alzheimer's Workshop follow up and next steps.

Councillor Polly Krier met with Councillor Amy Lubik, Port Moody, who is interested in participating in the workshop series and hosting at the Inlet Theatre. Port Moody needs to schedule session one prior to consideration of scheduling session two. The second workshop in the series is "Understanding Communications and Behaviour".

Action: Cllr. Krier to contact Janine at the Alzheimer Society regarding date for the "Understanding Communications and Behaviour" in Anmore.

(d) Village of Anmore events.

Easter:

- Ready for this year
- Weather dependent for attendance

- Future potential to reach broader group of people

Ma Murray Day:

- Larger presence of Ma Murray at Ma Murray Day and use of 10 x 10 tent for outside heritage display
- Whether Heritage Village Museum could provide support on activity for event

Action: Invite Shannon to attend June meeting to present regarding use of heritage items for Ma Murray Day and invite Sabina to July meeting to discuss Ma Murray Day.

Proposal for Picnic in the Park Event:

- Casual event
- Bring your own games and picnic
- “Block Party” type event

It was MOVED and SECONDED:

THAT the Committee recommend THAT Council direct staff to promote and prepare Spirit Park for the 1st Annual Picnic in the Park to be held from 6 p.m. – 9 p.m. on Friday, August 16.

CARRIED UNANIMOUSLY

(e) Follow up on discussion from last meeting.

Yoga:

- Cllr. Krier will discuss use of Village Hall for Yoga class and any insurance requirements.

Discussion ensued regarding whether the potential for coordinating some type of “parents night out” event with babysitting. Committee members will provide any further input at the next meeting.

7. **ADJOURNMENT**

It was MOVED and SECONDED:

“TO ADJOURN.”

CARRIED UNANIMOUSLY

The meeting adjourned at 5:02 p.m.

Certified Correct:

Approved:

Karen Elrick
Manager of Corporate Services

Councillor Polly Krier
Chair, Community Engagement, Culture
and Inclusion Committee

For Metro Vancouver meetings on Friday, April 26, 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@metrovancover.org or Kelly.Sinowski@metrovancover.org

Metro Vancouver Regional District**E 1.1 Metro Vancouver Regional Greenways Plan Update****APPROVED**

Metro Vancouver is undertaking an update of the Metro Vancouver Regional Greenways Plan. The updated plan will guide collaborative planning and development of regional greenways and clarify the role of Metro Vancouver in their implementation. A stakeholder and public engagement process will ensure that the final plan is reflective of municipal, stakeholder and public input.

The Board authorized staff to proceed with the public engagement process as presented. Staff anticipate the stakeholder engagement will occur between May and June and the public survey between October and November 2019.

E 1.2 Widgeon Marsh Regional Park – Draft Management Plan and Public Engagement Process**APPROVED**

Development of Widgeon Marsh Regional Park is a significant addition to the Metro Vancouver regional parks system. At 621 hectares (1,535 acres) once open, regional parks visitors will have the opportunity to explore these diverse and natural landscapes. Over the past two years, staff hosted a series of public and stakeholder engagement opportunities, met with governmental and non-governmental agencies and local First Nations. The information gathered during this process informed the development of the draft management plan. Key concepts and ideas from the engagement process were focused on ensuring the continued protection of sensitive areas, limiting the impacts on park development to previously developed areas, incorporating First Nations culture into park management, exploring interpretative opportunities, and providing locations for wildlife viewing.

The Board approved the scope of the proposed Widgeon Marsh Regional Park Draft Management Plan and authorized staff to proceed with the engagement process as presented.

E 2.1 Transit-Oriented Affordable Housing Study Phase 2 – Key Findings**APPROVED**

The Transit-Oriented Affordable Housing Study (TOAH) is a multi-year policy research initiative led by Metro Vancouver and undertaken in partnership with the BC Non-Profit Housing Association, BC Housing, Ministry of Municipal Affairs and Housing, Canada Mortgage and Housing Corporation, TransLink, Urban Development Institute, and Vancity. The Study aims to expand the knowledge base of practitioners and decision-makers about the challenges and opportunities to incrementally increase affordable rental housing along the Frequent Transit Network.

TOAH Phase 2 comprised two research components: a business framework for a regional TOAH fund; and review of policy tools to address the barrier of high land cost. The research components are set out in the Regional Affordable Housing Strategy.

A regional TOAH fund shows promise as a financial tool that could incrementally improve the delivery of affordable rental housing in transit-oriented locations. In the Metro Vancouver region, this would be an innovative undertaking and would entail a deeper integration of regional land use and housing objectives with the business side of housing development.

The MVRD Board resolved to send a letter communicating the key findings from the Transit-Oriented Affordable Housing Study Phase 2 to the following parties to encourage continued efforts to support transit-oriented affordable rental housing and equitable transit-oriented communities:

- the Federal Ministers of Infrastructure, and Families, Children and Social Development
- the Provincial Ministers of Municipal Affairs and Housing, Transportation and Infrastructure, and Finance, as well as the Parliamentary Secretary for TransLink
- Mayors' Council on Regional Transportation and TransLink Board of Directors
- Member jurisdiction Councils

Furthermore, the Board directed staff to continue to explore options to collaborate with interested partners on a regional transit-oriented affordable rental housing fund, including identifying potential champions, and report back to the Regional Planning Committee.

E 2.2 Land Value Capture and Opportunities for Regional Transportation and Transit-Oriented Affordable Rental Housing

**RECEIVED
APPROVED**

Land value capture can be seen as a potential way to collect tax revenues on a portion of the increased property values that have resulted from regional transportation investments and to invest those revenues back into the regional transportation system. The research and policy proposals to date have not addressed the potential impacts on or synergies with funding transit-oriented affordable rental housing development as well.

Given the housing affordability crisis in the region, the significant mismatch in available rental housing affordable to lower income renters currently and projected, and the transit ridership boost that renters, in particular lower income renters, generate, it is appropriate to consider evaluating tools such as land value capture as a means of funding, not only for regional transportation, but also for delivering affordable rental housing supply in transit-oriented locations. An important component of the evaluation will be on the equitable distribution of benefits and detriments to property owners and land uses in affected neighbourhoods.

The Board received the report for information and directed staff to work with TransLink to explore additional research regarding Land Value Capture.

E 2.3 Regional Long-Range Growth and Transportation Scenarios Summary Report**RECEIVED**

Following authorization from the MVRD Board, Metro Vancouver and TransLink partnered in the development of long-range scenarios to: better understand future global trends and disruptors and their impacts on our region; test the resiliency of current and future plans and policies; and to support future updates to population, jobs and housing projections. The scenarios will inform updates to the regional growth strategy and the new Regional Transportation Strategy.

The scenarios have been developed with a focus on what might happen in the absence of substantive changes to the existing policy framework. Exploring and testing policy responses will be included as part of anticipated updates to the regional growth strategy.

The Board received the report for information.

E 2.4 Towards Metro 2050: Updating Metro Vancouver 2040: Shaping our Future**APPROVED**

The proposed update to Metro 2040 will be largely framed around the results of the policy reviews, recognizing that the reviews themselves were undertaken to address already identified gaps and opportunities for improvements. The proposed update will extend the strategy to the year 2050 and leverage its strengths, supplemented with a greater focus on climate adaptation, the addition of an equity lens, and strengthening the resilience of policies to future uncertainties. In addition, the policy actions for Metro Vancouver and municipalities will be updated to reflect plans that have been completed since Metro 2040's adoption - with a greater focus on affordable housing in transit locations and enhanced integration of land use and transportation planning.

The Board initiated a comprehensive update to Metro Vancouver 2040, directed staff to prepare a Stakeholder Engagement Plan for the update to Metro Vancouver 2040 and authorized staff to partner with TransLink in its May to September 2019 'Vision and Values' public engagement process for the future of the region.

E 2.5 Metro 2040 Environment Policy Review – Scope and Process**RECEIVED**

The Board received an overview of the proposed scope and process for the Metro 2040 Environment Policy Review.

Metro 2040 Environment Policy Review, consists of three phases:

1. Evaluating the existing policies and researching good examples from other areas,
2. Hosting a policy forum with key stakeholders to better understand environmental policy gaps and implementation challenges, and
3. Exploring environmental policy options.

Metro Vancouver staff will involve the Regional Planning Advisory Committee, the RPAC-Environment Subcommittee, and the Regional Planning Committee throughout the process and will report on the outcomes at the end of each phase.

E 3.1 Audited 2018 Financial Statements**APPROVED**

The Board approved the Audited 2018 Consolidated Financial Statements for the Metro Vancouver Regional District.

Legislation requires that annual Audited Financial Statements be prepared for the Metro Vancouver Districts and Metro Vancouver Housing Corporation and presented at a public meeting of the Board of Directors. The Audited Financial Statements for 2018 have been prepared by management in accordance with Canadian public sector accounting standards and have received an unqualified audit opinion by the external auditors, BDO Canada LLP.

E 3.2 2018 Financial Results Year-End**RECEIVED**

The Board received the final report on financial performance for the year ending December 31, 2018 as compared to the 2018 annual budget.

Overall, the 2018 financial results for the Metro Vancouver entities and functions were favourable to budget with a surplus of \$31.8 million.

E 4.1 George Massey Crossing – Project Principles and Goals**APPROVED**

The Province completed the first phase of the George Massey Crossing project engagement with input from TransLink, local municipalities, and First Nations and Metro Vancouver. Based on this engagement, the Province developed four high level principles and goals for the George Massey Crossing project for consideration by the Finance and Intergovernment Committee and MVRD Board.

The Board supported the principles and goals for the George Massey Crossing developed by the Ministry of Transportation and Infrastructure and directed staff to send a letter to the Ministry of Transportation and Infrastructure to express general support for the principles and goals.

E 4.2 Regional Parks Asset Management Policy**APPROVED**

The Board approved the Asset Management for Regional Parks Policy as presented, which will establish asset management principles and a framework to balance asset performance, risk and cost that supports the long-term provision of Regional Parks Service.

The goal of the Asset Management for Regional Parks Policy is to balance asset performance, risk, and cost. This policy outlines MVRD's commitment and methodology to manage regional parks assets in a manner that minimizes asset failure risks and impacts to park users while optimizing the life cycle of assets. The policy will guide Regional Parks to meet asset performance targets within a specified budget and enable evidence based decision making with respect to infrastructure rehabilitation and replacement.

E 5.1 Abandoned Waste – 2019 Waste in its Place Regional Campaign Update**RECEIVED**

The Board received for information a summary of the 2019 Waste in its Place regional campaign.

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 to clean up abandoned waste and operate associated large-item disposal programs. The 2019 Waste in its Place regional campaign builds upon the findings of research conducted with members and the public to clearly provide local alternatives to illegally dumping unwanted items. The campaign will enter market in mid-April via a range of digital, outdoor and ethnic advertising; all materials will promote the www.wasteinitsplace.ca webpage, which promotes regional disposal options and municipal programs.

E 5.2 National Zero Waste Council 2018 Update**RECEIVED**

The Board received an update on the activities and work of the National Zero Waste Council in 2018.

In May, the Council released a major report – a Food Loss and Waste Strategy for Canada – identifying important actions for reducing food waste which was followed by a launch in July of a cross Canada behaviour change campaign to reduce household food waste. In addition, the Council became a founding member of the Circle Economy Leadership Coalition – an important leadership collaboration on increasing awareness of the economic and environmental benefits of moving to a closed-loop production and consumption system and in identifying potential policy-levers and other tools that will facilitate a transition to the circular economy.

Currently the Council enjoys tremendous in-kind support and engagement through its working groups, management board and others, however, ongoing financial support is mainly through Metro Vancouver; both in terms of providing staff for the Secretariat and funding program delivery and administration activities. Initiatives in late 2018 and early 2019 have confirmed the opportunity for the Council to leverage Metro Vancouver's financial support to attract project funding as demonstrated with the launch of Love Food Hate Waste Canada and work on the circular economy plastics. Efforts in 2019 will focus on developing a business model for the Council that will ensure its financial sustainability into the future.

E 6.1 Development and Engagement Process for the Metro Vancouver Clean Air Plan**RECEIVED**

Development of the Clean Air Plan is proposed to set air quality and greenhouse gas management directions for Metro Vancouver for the next five to ten years. A refreshed plan will identify a vision for the future and describe Metro Vancouver's role in further improving air quality and reducing emissions in the region. The Clean Air Plan will also support development of the Climate 2050 Roadmaps. A Discussion Paper will be developed as the basis for stakeholder engagement on the Clean Air Plan and the Roadmaps. The engagement process will inform the development of the Clean Air Plan, which staff expect to bring to Committee and Board for consideration in 2020.

The Board received the report for information.

E 6.2 Staff Appointment as a Board-designated Officer**APPROVED**

A recent staff hire has resulted in a need to update staff appointments as MVRD Board-designated officers under Greater Vancouver Regional District Air Quality Management Bylaw and the Environmental Management Act.

The Board, pursuant to the Greater Vancouver Regional District Air Quality Management Bylaw and the Environmental Management Act, appointed Curtis Wan, Project Engineer, as an officer.

E 6.3 Wildfire Smoke Preparedness and Air Quality Advisory Planning for 2019**RECEIVED**

The Board received for information a report about Metro Vancouver's wildfire smoke preparedness and air quality advisory planning for the 2019 summer season.

The summers of 2015, 2017 and 2018 all had unprecedented wildfire smoke impacts on the Metro Vancouver region, with each successive year establishing new records in terms of geographic scope, duration and intensity of smoke impacts. Communications have increased with counterparts in other Canadian and US jurisdictions with similar recent experience and concerns relating to wildfire smoke.

In light of this, Metro Vancouver staff are preparing for the 2019 season in anticipation there may be significant wildfire smoke impacts occurring again. In cooperation with partner agencies, staff are refining advisory procedures, developing updated messaging and outreach materials, and conducting early engagement with local media. Additionally, staff in other functions are actively working to prevent wildfires within our region, such as in watersheds and regional parks, thus ensuring that local sources of smoke are not compounding the impacts of wildfires outside of the region.

E 6.4 Metro Vancouver Odour Management Communication and Engagement Strategy**APPROVED**

The Board endorsed the communication and engagement strategy described in the report, intended to increase awareness of Metro Vancouver's enhanced framework for managing emissions of odorous air contaminants.

In July 2018, the MVRD Board approved the Odour Management Policy Development Plan to enhance the management of emissions of odorous air contaminants in the Metro Vancouver region, which included initiatives related to increased communication and engagement based on feedback received during consultation. Metro Vancouver has outlined an Odour Management Communication and Engagement Strategy to raise awareness about odour management in the region and to pursue opportunities for municipal staff, local firms specialized in emission monitoring and measurement, industry, and the public to participate in enhancing odour management in the region.

E 6.5 Outreach on the Non-Road Diesel Engine Emission Program and Future Directions**RECEIVED**

The Board received an update about upcoming outreach activities related to the Tier 1 engine registration deadline for the MVRD Non-Road Diesel Engine Emission Regulation Bylaw No. 1161, 2012 and the process for considering any future directions or expansions in scope of the bylaw requirements that could be pursued to further reduce emissions from non-road diesel engines.

The Bylaw has initially focused on Tier 0 and Tier 1 engines and has been successful in promoting emission reductions over time. To continue to improve emissions and reduce impacts from non-road diesel engines, potential expansions to the scope of the Bylaw could encompass: registration and labelling requirements for Tier 2, Tier 3 and Tier 4 engines; phased-in prohibitions for unregistered Tier 2 and Tier 3 engines; and expansion of the types of approved emission reduction measures to include engine electrification or switching of fuel to propane or natural gas. The Bylaw's economic incentives have been successful for encouraging emission reductions, and adjustments to the registration fee rebate program could be considered to create further incentives for the retirement of higher emitting engines. Future directions would be consulted on prior to the Board considering adoption of any Bylaw amendments.

E 7.1 Delegations Received at Committee April 2019**RECEIVED**

The Board received summaries of delegations received at committee.

- Regional Planning Committee: Brian Clifford, Policy Manager, BC Non-Profit Housing Association
- Climate Action Committee: Rebecca Hamilton, Lilah Williamson and Amy Daiminger, Sustainabiliteens

E 7.2 City of Pitt Meadows' Regional Context Statement – Reacceptance**APPROVED**

The Board accepted the City of Pitt Meadows' Regional Context Statement as submitted to Metro Vancouver on January 14, 2019.

The City of Pitt Meadows has requested continued acceptance of its 2013 Regional Context Statement. In accordance with the provisions of the Local Government Act, each member jurisdiction's RCS must be reviewed at least every five years, giving the local government an opportunity to consider whether any recent municipal planning studies, initiatives or changes to its OCP trigger changes to its RCS.

The City's 2013 Regional Context Statement remains generally consistent with the goals, strategies and actions in Metro 2040. Continued acceptance of the City of Pitt Meadows' Regional Context Statement is advisable, acknowledging the City's intent to update its RCS in concert with the OCP update that is underway and anticipated to be completed by 2020.

G 1.1 Metro 2040 Land Use Designation Amendment Request from the City of Delta – MK Delta Lands**WITHDRAWN**

Greater Vancouver Water District

E 1.1 Audited 2018 Financial Statements

APPROVED

The Board approved the Audited 2018 Financial Statements for the Greater Vancouver Water District.

Legislation requires that annual Audited Financial Statements be prepared for the Metro Vancouver Districts and Metro Vancouver Housing Corporation and presented at a public meeting of the Board of Directors. The Audited Financial Statements for 2018 have been prepared by management in accordance with Canadian public sector accounting standards and have received an unqualified audit opinion by the external auditors, BDO Canada LLP.

E 2.1 Water Supply Forecast and Water Consumption Update for Summer 2019

RECEIVED

The Board received the annual update on the current water supply and water consumption situation in advance of the approaching summer peak demand period.

Although the existing snowpack is at slightly lower-than-average levels, it is expected that source lake storage will be sufficient to ensure adequate water supply for the 2019 summer season. Overall precipitation in the form of rainfall also contributes to the water levels in the three source lakes.

Although the region's population continues to grow; historically, overall water demand has remained relatively steady, generally offset by conservation measures. However, overall water use is increasing gradually as the effect of the rate of population growth on water demands begins to exceed the per capita water use reductions.

Summer 2019 will be the second summer implementing water restrictions under the new Drinking Water Conservation Plan. Stage 1 restrictions on outdoor watering, between May 1 and October 15, along with Metro Vancouver and member local government implementation of the Board endorsed Region-wide Guide for Enforcement of the DWCP, are expected to help manage water demands during the peak season. During periods of water shortages and emergencies, or when experiencing unusually high demand for water, Metro Vancouver has the ability to implement higher stages of the Drinking Water Conservation Plan, if necessary.

Recent system improvements such as the Barnston/Maple Ridge Pump Station, the Port Mann Water Supply Tunnel, Clayton Reservoir, and South Delta Main No. 1 Replacement (Phases 1 and 2) have increased the capacity of the transmission system to meet peak summer demands.

E 2.2 Regional Assessment of Residential Water Metering

RECEIVED

The Board received an update on the work completed to date on the Regional Assessment of Residential Water Metering.

Based on a triple-bottom-line evaluation, the Regional Assessment of Residential Water Metering evaluated the overall regional costs and benefits of residential water metering for single-family homes.

The study findings conclude that the greatest regional benefits would be achieved by implementing universal metering on all single-family residential dwellings over an accelerated timeframe; however, more gradual approaches would also provide net benefits assuming that initial meter installation costs associated with specific metering programs are paid for by developers, home builders, and homeowners.

Overall benefits of water metering include several non-financial benefits, such as improved billing equity, water efficiency and conservation, leak detection and reduction, overall water systems management, and environmental stewardship. Reducing water use through metering practices also builds resiliency to climate change by encouraging sustainable water use habits.

E 2.3 GVWD Capital Program Expenditure Update as at December 31, 2018

RECEIVED

The Board received the final report on the financial performance of the capital program for the year ending December 31, 2018.

In 2018, the GVWD underspent its Capital Budget by \$133.7 million or 64.94%. The delays experienced in projects in the early stages of completion resulted in the timing of expenditures differing from expectations. The underspending in the 2018 GVWD Capital Budget, resulted in a realization of a surplus in capital funding of \$2.9 million. This surplus, per policy, will be used in future years to fund capital and avoid debt.

Although the 2018 GVWD Capital Budget was underspent, the variance is a result of timing with the actual overall spending on a capital project expected to be close to or less than the overall budget for that project due to the savings of any budgeted contingencies.

E 2.4 2018 GVWD Water Quality Annual Report

RECEIVED

The Board received a summary of the 2018 GVWD Water Quality Annual Report.

Metro Vancouver's water quality monitoring program continues to fulfill its role in confirming that the multiple protection barriers for drinking water that the GVWD has in place including watershed protection, water treatment and ongoing operation of the water system to maintain water quality, are working effectively. As such, the drinking water provided by the GVWD to its customers met or exceeded water quality standards and guidelines in 2018.

E 2.5 Award of Contract Resulting from Tender No. 18-414: Installation of Whalley Main

APPROVED

The Board approved the award of a contract in the amount of \$17,205,000 (exclusive of taxes) to Graham Infrastructure LP resulting from Tender No. 18-414 for the Installation of Whalley Main.

Greater Vancouver Sewage and Drainage District

E 1.1 Audited 2018 Financial Statements

APPROVED

Legislation requires that annual Audited Financial Statements be prepared for the Metro Vancouver Districts and Metro Vancouver Housing Corporation and presented at a public meeting of the Board of Directors. The Audited Financial Statements for 2018 have been prepared by management in accordance with Canadian public sector accounting standards and have received an unqualified audit opinion by the external auditors, BDO Canada LLP.

The Board approved the Audited 2018 Financial Statements for the Greater Vancouver Sewerage and Drainage District.

E 2.1 Impact of Wipes on the Wastewater System

RECEIVED

Wipes cause major issues for the wastewater industry both in Canada and the Metro Vancouver region. Many of these wipes are labelled 'flushable' which causes confusion for consumers. Metro Vancouver has sought to address this issue through public education, by endorsing the International Water Industry Position Statement on Non-flushable and Flushable Labelled Products and by contributing funds and staff time to efforts by the wastewater industry to develop a standard for "flushability." A specification developed and approved by the wastewater industry exists, but has not yet been made into an enforceable Canadian standard.

The Board received the report for information.

E 2.2 Recreational Water Quality Monitoring Program

RECEIVED

The Board received for information a report with an overview of the Recreational Water Quality Monitoring Program in the region prior to the 2019 monitoring season and to offer additional information about the program arising from the March 14, 2019 Liquid Waste Committee meeting.

Metro Vancouver's Recreational Water Quality Monitoring Program currently includes sample collection at 113 sites and 41 beach locations across the region. The samples are analyzed at Metro Vancouver's Microbiology Laboratory, and results are reported to the health authorities and beach operators. The Vancouver Coastal Health and Fraser Health Authority use the information reported to assess the risk to public health and issue swimming advisories, as they deem appropriate.

E 2.3 Award of a Contract Resulting from Tender No. 18-328: Construction of the Annacis Island Wastewater Treatment Plant Stage 5 Phase 2 Influent Pump Station Expansion Project

APPROVED

The Board approved the award of a contract in the amount of \$15,946,950 (exclusive of taxes) to Graham Infrastructure LP & AECON Water Infrastructure Inc. – a Joint Venture, resulting from Tender No. 18-328:

Construction of the Annacis Island Wastewater Treatment Plant Stage 5 Phase 2 Influent Pump Station Expansion Project.

E 2.4 Award of a Contract Resulting from Tender No. 18-412: Construction of the Lulu Island Wastewater Treatment Plant Biogas Cleanup Project **APPROVED**

The Board approved the award of a contract in the amount of \$9,731,000 (exclusive of taxes) to Maple Reinders Constructors Ltd., resulting from Tender No. 18-412: Construction of the Lulu Island Wastewater Treatment Plant Biogas Cleanup Project, and increased the budget for the project by \$1,931,000.

E 2.5 Status of Liquid Waste Services Capital Expenditures to December 31, 2018 **RECEIVED**

The Board received for information a report with an update on the status of utility capital expenditures for the Liquid Waste Services for the year ending December 31, 2018.

In 2018, Liquid Waste Services underspent its Capital Budget by \$82.6 million or 21.7%. The delays experienced in projects in the early stages of completion resulted in the timing of expenditures differing from expectations. The underspending in the 2018 Liquid Waste Services Capital Budget, resulted in a realization of a surplus in capital funding of \$1.8 million. This surplus, per policy, will be used in future years to fund capital and avoid debt.

Although the 2018 Liquid Waste Services Capital Budget was underspent, the variance is a result of timing with the actual overall spending on a capital project expected to be close to or less than the overall budget for that project due to the savings of any budgeted contingencies.

E 3.1 Recycling Update **RECEIVED**

The Board received a report containing an update on recycling markets and Extended Producer Responsibility programs.

Recycling producers throughout North America and Europe have been impacted as a result of changes in contamination standards for recyclables entering China and other foreign markets. This report provides an overview of the recycling markets and Extended Producer Responsibility programs in the region. Investments by Recycle BC as well as high quality recyclables have helped ensure that recyclables from Metro Vancouver and the rest of British Columbia continue to be marketed for recycling either locally or other markets.

E 3.2 Acceptance of Health Care Facility Waste at Metro Vancouver Transfer Stations **RECEIVED**

The Board received a report about the acceptance of health care facility waste at Metro Vancouver transfer stations.

Metro Vancouver, the City of Vancouver, Metro Vancouver's contractor Emterra and the health authorities have worked together to safely accept health care facility waste at both the North Shore and

Coquitlam Transfer Stations. Access to these transfer stations will allow health authorities to reduce waste hauling costs, reduce truck travel distance by 13,500 km per year and reduce greenhouse gas emissions by approximately 50 tonnes CO2 equivalent per year.

E 3.3 Reallocation of Capital Funds for Transfer Station Compactor Replacements

APPROVED

The Board authorized reallocation of 2019 capital funds originally approved for a Surrey Transfer Station compactor to the purchase of a compactor for the replacement Coquitlam Transfer Station.

Recent inspections have indicated that the Surrey and North Shore Transfer Station compactors' service lives can be extended. A review of the potential to move the compactor from the existing Coquitlam Transfer Station to the replacement facility concluded that moving the compactor would not be efficient.

E 3.4 Waste-to-Energy Facility 2018 Financial Update

RECEIVED

The Board received for information a financial update for the Metro Vancouver Waste-to-Energy Facility located in Burnaby.

Expenditures in 2018 for the Waste-to-Energy Facility totaled \$20.5 million, including \$0.88 million in debt charges, resulting in an expenditure of \$80.98 per tonne. Metro Vancouver's portion of electrical and metals revenues totaled \$5,775,836 or \$22.82 per tonne. Based on the plant processing 253,123 tonnes of municipal solid waste, the net unit cost per tonne for operation and maintenance of the Waste-to-Energy Facility in 2018 was \$58.16 per tonne. Tipping fee revenues are accounted for separately and are not included in this analysis.

E 3.5 Status of Solid Waste Services Capital Expenditures to December 31, 2018

RECEIVED

The Board received for information an update on the status of utilities capital expenditures for the Solid Waste Services Department for the year ending December 31, 2018.

In 2018, the Solid Waste Services underspent its Capital Budget by \$17.3 million or 41.6%. The delays experienced in projects in the early stages of completion resulted in the timing of expenditures differing from expectations. The underspending in the 2018 Solid Waste Capital Budget, resulted in a realization of a surplus in capital funding of \$1.1 million. This surplus, per policy, will be used in future years to fund capital and avoid debt.

Although the 2018 Solid Waste Capital Budget was underspent, the variance is a result of timing with the actual overall spending on a capital project expected to be close to or less than the overall budget for that project due to the savings of any budgeted contingencies.

E 3.6 Board Appointment and Rescindments of Bylaw Enforcement Officers**APPROVED**

Recent changes in staff have resulted in a need to update staff appointments as Board-designated officers under Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw and the Offence Act.

The Board, pursuant to Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw, rescinded the officer appointments of Lynne Bosquet, Donna Hargreaves, Alex Clifford, and Jeff Gogol, then appointed Brian Kerin as officer.

The Board, pursuant to the Offence Act appoint the following Metro Vancouver employee for the purpose of serving summons under section 28 of the Offence Act for alleged violations under the Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw, appointed Brian Kerin as Permitting and Enforcement Officer.

E 4.1 Delegations Received at Committee April 2019**RECEIVED**

The Board received for information a submission received from Helmut Blanken, HBHE Consulting, Duncan, delegate to the Zero Waste Committee.

G 1.1 Greater Vancouver Sewerage and Drainage District Development Cost Charge Reserve Fund Expenditure Bylaw No. 325, 2019**APPROVED**

The 2018 budget contemplated the transfer of DCC revenues collected to meet actual debt charge funding requirements related to the Liquid Waste growth capital program. This bylaw completes that process.

The Board gave first, second and third readings to Greater Vancouver Sewerage and Drainage District Development Cost Charge Reserve Fund Expenditure Bylaw No. 325, 2019; and passed and finally adopted the bylaw.

Metro Vancouver Housing Corporation**E 1.1 Audited 2018 Financial Statements****APPROVED**

Legislation requires that annual Audited Financial Statements be prepared for the Metro Vancouver Districts and Metro Vancouver Housing Corporation and presented at a public meeting of the Board of Directors. The Audited Financial Statements for 2018 have been prepared by management in accordance with Canadian public sector accounting standards and have received an unqualified audit opinion by the external auditors, BDO Canada LLP.

The Board approved the Audited 2018 Financial Statements for the Metro Vancouver Housing Corporation.



WiMacTel Canada Inc.
#200A, 6420 – 6A Street SE,
Calgary, Alberta
T2H 2B7
1-800-820-4680

Date: April 30, 2019

ATTN: Mayor John McEwen
c/o Village of Anmore
2697 Sunnyside RD.
Anmore, BC. V3H 5G9

Re: Removal of TELUS Payphones at Buntzen Lake Park, Anmore, BC.

Dear: Mayor John McEwen

This communication is being sent in compliance with CRTC decision 2004-47 Sections 56 to 66, to provide notice that the last payphone in the Village of Anmore, BC will be removed on or after July 02, 2019.

The payphone at Buntzen Lake Park can no longer be repaired, as the cable facilities to the payphone are defective and can't be repaired. The notification sign will be posted onsite.

Please contact WiMacTel Canada Inc., at 1-844-825-8481 with any questions you may have about this communication.

Regards,

Andy Rasimas
WiMacTel Canada Inc.
In Behalf of TELUS Communications