

**GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT  
BYLAW NO. 362, 2023  
A Bylaw to Amend Greater Vancouver Sewerage and Drainage District  
Cost Apportionment Bylaw No. 283, 2014**

**WHEREAS:**

- A. the Board of Directors of the Greater Vancouver Sewerage and Drainage District adopted “Greater Vancouver Sewerage and Drainage District Cost Apportionment Bylaw No. 283, 2014” on March 28, 2014;
- B. “Greater Vancouver Sewerage and Drainage District Cost Apportionment Bylaw No. 283, 2014” sets out the method of apportioning annual sewerage and drainage expenditures among the member municipalities, as permitted by section 55(4) of the Greater Vancouver Sewerage and Drainage District Act; and
- C. the Board of Directors of the Greater Vancouver Sewerage and Drainage District wishes to amend the “Greater Vancouver Sewerage and Drainage District Cost Apportionment Bylaw No. 283, 2014”.

**NOW THEREFORE** the Board of the Greater Vancouver Sewerage and Drainage District enacts as follows:

**Citation**

- 1. The official citation of this bylaw is “Greater Vancouver Sewerage and Drainage District Cost Apportionment Amendment Bylaw No. 362, 2023”.

**Amendment of Bylaw**

- 2. “Greater Vancouver Sewerage and Drainage District Cost Apportionment Bylaw No. 283, 2014” (the “Bylaw”) is hereby amended as follows:
  - (a) the definition “**Combined Sewer Member Municipality**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**Combined Sewer Member Municipality**” means, for the purposes of allocation of costs within a sewerage area, the City of Vancouver and the City of New Westminster;
  - (b) The definition “**Dry Weather Flow**” in section 1 of the Bylaw is deleted and replaced as follows:

“**Dry Weather Flow**” in respect of any 12-month period means:
    - (i) for a Sewerage Area, the 25th percentile of the average daily flow of wastewater, as determined by the Corporation, measured at whichever (one or more) of the Corporation’s five wastewater treatment plants

(being Annacis Island, Iona Island, Lions Gate, Lulu Island and Northwest Langley) providing service to that Sewerage Area;

- (ii) for a member municipality of the Fraser Sewerage Area for the purposes of section 7.10, the 25th percentile of the average daily flow of wastewater discharged from that member municipality as measured at the flow metering stations for that member municipality, or where there is insufficient data from flow metering stations, as determined by the Corporation, based on (A) temporary flow monitoring from mobile meters, (B) data from pump stations or, (C) such other data deemed appropriate by the Corporation for making such determination;

- (c) the definition “**Dry Weather Share**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**Dry Weather Share**” means a part of the Total Non-Growth Costs for a Sewerage Area (except for Lulu Island West Sewerage Area), as defined in section 7A.1;

- (d) the definition “**Industrial Flow**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**Industrial Flow**” in respect of any 12-month period, for a Sewerage Area, any member municipality thereof, the University Endowment Lands or the University of British Columbia, means the average daily flow of wastewater discharged within the Sewerage Area, the member municipality, the University Endowment Lands or the University of British Columbia during such 12-month period under an Industrial Permit or Industrial Permits, as determined by the Corporation;

- (e) the definition “**Industrial Flows**” in section 1 of the Bylaw is deleted;

- (f) the definition “**Total Non-Growth Costs**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**Total Non-Growth Costs**”, for any 12-month period, means the costs identified in section 7 as the Total Non-Growth Costs for each Sewerage Area;

- (g) the definition “**UBC Wet Weather Flow**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**UBC Wet Weather Flow**” in respect of any 12-month period means the 75th percentile of the average daily flow of wastewater discharged from the university site, as determined by the Corporation, and based upon:

- (i) flow monitoring meters for the University of British Columbia, and
  - (ii) such other data deemed relevant by the Corporation for making such determination;
- (h) the definition “**UEL Wet Weather Flow**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**UEL Wet Weather Flow**” in respect of any 12-month period means the 75th percentile of the average daily flow of wastewater discharged from the University Endowment Lands, as determined by the Corporation, and based upon:

- (i) temporary flow monitoring by mobile flow meters for the University Endowment Lands, and
  - (ii) such other data deemed relevant by the Corporation for making such determination;
- (i) in the definition “**University Endowment Lands**” delete the word “and” that appears after the semicolon;

- (j) the definition “**Wastewater**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**Wastewater**” has the same definition as that found in the *Wastewater Systems Effluent Regulations*, SOR/2012-139;

- (k) the definition “**Wet Weather Flow**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**Wet Weather Flow**” in respect of any 12- month period means:

- (i) for a Sewerage Area, the 75th percentile of the average daily flow of wastewater, as determined by the Corporation, measured at whichever (one or more) of the Corporation’s five wastewater treatment plants (being Annacis Island, Iona Island, Lions Gate, Lulu Island and Northwest Langley) providing service to that Sewerage Area;
- (ii) for a Combined Sewer Member Municipality, the 60th percentile of the average daily flow of wastewater discharged from that member municipality as measured at the flow metering stations for that member municipality, or where there is insufficient data from flow metering stations, as determined by the Corporation, based on (A) temporary flow monitoring from mobile meters, (B) data from pump

stations or, (C) such other data deemed appropriate by the Corporation for making such determination;

- (iii) for all other member municipalities, the 75th percentile of the average daily flow of wastewater discharged from that member municipality as measured at the flow metering stations for that member municipality, or where there is insufficient data from flow metering stations, as determined by the Corporation, based on (A) temporary flow monitoring from mobile meters, (B) data from pump stations or, (C) such other data deemed appropriate by the Corporation for making such determination;

- (l) the definition “**Wet Weather Share**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**Wet Weather Share**” means a part of the Total Non-Growth Costs for a Sewerage Area (except Lulu Island West Sewerage Area), as defined in section 7A.1; and

- (m) the definition “**Wet Weather Share Method of Apportionment**” is added to the definitions in section 1 of the Bylaw in alphabetic order as follows:

“**Wet Weather Share Method of Apportionment**” means that each member municipality within the Sewerage Area must pay X per cent of the Wet Weather Share for the Sewerage Area, where X is calculated as follows:

$$X = \frac{100\% \text{ Wet Weather Flow for the member municipality} - 100\% \text{ Industrial Flow for the member municipality}}{100\% \text{ Wet Weather Flow for the Sewerage Area} - 100\% \text{ Industrial Flow for the Sewerage Area}}$$

(where flows are calculated for the five-year period ending June 30 of the previous year).

- (n) section 5.2 of the Bylaw is deleted and replaced as follows:

5.2 For the purpose of section 7.2(b), all Assessed Values will be reduced by an amount equal to the Industrial Assessed Value within each relevant area for Industrial Permits (Permittees).

(o) Section 7A is added as follows:

7A. Total Non-Growth Costs for Sewerage Areas to be Divided into Two Amounts to be Further Apportioned

7A.1 The Total Non-Growth Costs for each of the Sewerage Areas except Lulu Island West Sewerage Area, will be divided into two amounts for each Sewerage Area, as follows:

- (a) A “Dry Weather Share,” which is the amount of Total Non-Growth Costs for a Sewerage Area that is calculated using the percentage set out in Column 2 of Table 7A.1 opposite the applicable year of calculation set out in Column 1 of Table 7A.1; and
- (b) A “Wet Weather Share,” which is the amount of Total Non-Growth Costs for a Sewerage Area that is calculated using the percentage set out in Column 3 of Table 7A.1 opposite the applicable year of calculation set out in Column 1 of Table 7A.1,

except that, starting in 2033 and for every year following, the Total Non-Growth Costs for every Sewerage Area except Lulu Island West Sewerage Area will be 100% Wet Weather Share for the purposes of further apportionment, as set out in Table 7A.1.

Table 7A.1

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<b>Year</b>	<b>Dry Weather Share</b>	<b>Wet Weather Share</b>
2024	90%	10%
2025	80%	20%
2026	70%	30%
2027	60%	40%
2028	50%	50%
2029	40%	60%
2030	30%	70%
2031	20%	80%
2032	10%	90%
2033 and Beyond	0%	100%

7A.2 The Total Non-Growth Costs for Lulu Island West Sewerage Area, and the Total Non-Growth Costs (as divided into Dry Weather Share and Wet Weather Share

amounts) for every other Sewerage Area will respectively be further apportioned in accordance with section 7.

(p) Section 7.1 of the Bylaw is deleted and replaced as follows:

7.1 Except as otherwise provided in this bylaw, the total of:

- (a) the portion of the Regional Share apportioned to the Vancouver Sewerage Area under section 6.1;
- (b) the Sewerage Area Share apportioned to the Vancouver Sewerage Area under section 6.2;
- (c) the Tier I Non-Growth Component apportioned to the Vancouver Sewerage Area under section 6.3; and
- (d) all other costs apportioned to the Vancouver Sewerage Area pursuant to section 9,

will be the Total Non-Growth Costs for the Vancouver Sewerage Area.

(q) Section 7.2 of the Bylaw is deleted and replaced as follows:

7.2 The Dry Weather Share for the Vancouver Sewerage Area will be further apportioned as follows:

- (a) First, as a special apportionment for the Vancouver Sewerage Area:
  - (i) The amount to be apportioned to the University Endowment Lands in respect of the University Endowment Lands will be equal to that portion of the Dry Weather Share for the Vancouver Sewerage Area that the UEL Dry Weather Flow bears to 100% of the Dry Weather Flow for the Vancouver Sewerage Area less 100% of the Industrial Flow for the Vancouver Sewerage Area, during the 12-month period ending June 30 of the immediately preceding year; and
  - (ii) The amount to be apportioned to the University of British Columbia in respect of the university site will be equal to that portion of the Dry Weather Share for the Vancouver Sewerage Area that the UBC Dry Weather Flow bears to 100% of the Dry Weather Flow for the Vancouver Sewerage Area less 100% of the Industrial Flow for the Vancouver Sewerage Area, during the 12-month period ending June 30 of the immediately preceding year; and

(b) Second, after deduction of the special apportionments in section 7.2(a), the remaining costs of the Dry Weather Share will be further apportioned among the member municipalities within the Vancouver Sewerage Area in the same proportion that the Assessed Value (as adjusted in accordance with section 5.2) of the lands of each member municipality within the Vancouver Sewerage Area bears to the Assessed Value (as adjusted in accordance with section 5.2) of all lands within the Vancouver Sewerage Area.

(r) Section 7.3 of the Bylaw is deleted and replaced as follows:

7.3 The Wet Weather Share for the Vancouver Sewerage Area will be further apportioned among the member municipalities within the Vancouver Sewerage Area in accordance with the Wet Weather Share Method of Apportionment, and among University Endowment Lands (UEL) and University of British Columbia (UBC), as follows:

(a) As a special apportionment for Vancouver Sewerage Area,

(i) University Endowment Lands (UEL) must pay Y percent of the Wet Weather Share for the Vancouver Sewerage Area, where Y is calculated as follows:

$$Y = \frac{100\% \text{ UEL Wet Weather Flow} - 100\% \text{ Industrial Flow for UEL}}{100\% \text{ Wet Weather Flow for the Sewerage Area} - 100\% \text{ Industrial Flow for the Sewerage Area}}$$

(where flows are calculated for the five-year period ending June 30 of the previous year); and

(ii) University of British Columbia (UBC) must pay Z percent of the Wet Weather Share for the Vancouver Sewerage Area, where Z is calculated as follows:

$$Z = \frac{100\% \text{ UBC Wet Weather Flow} - 100\% \text{ Industrial Flow for UBC}}{100\% \text{ Wet Weather Flow for the Sewerage Area} - 100\% \text{ Industrial Flow for the Sewerage Area}}$$

(where flows are calculated for the five-year period ending June 30 of the previous year).

(s) Section 7.4 of the Bylaw is deleted and replaced as follows:

7.4 Except as otherwise provided in this bylaw, the total of:

- (a) the portion of the Regional Share apportioned to the Lulu Island West Sewerage Area under section 6.1;
- (b) the Sewerage Area Share apportioned to the Lulu Island West Sewerage Area under section 6.2;
- (c) the Tier I Non-Growth Component apportioned to the Lulu Island West Sewerage Area under section 6.3; and
- (d) all other costs apportioned to the Lulu Island West Sewerage Area pursuant to section 9,

will be the Total Non-Growth Costs for the Lulu Island West Sewerage Area and will be further apportioned entirely to the City of Richmond, being the sole member municipality within that Sewerage Area.

(t) Section 7.5 is added as follows:

7.5 Except as otherwise provided in this bylaw, the total of:

- (a) the portion of the Regional Share apportioned to the North Shore Sewerage Area under section 6.1;
- (b) the Sewerage Area Share apportioned to the North Shore Sewerage Area under section 6.2;
- (c) the Tier I Non-Growth Component apportioned to the North Shore Sewerage Area under section 6.3; and
- (d) all other costs apportioned to the North Shore Sewerage Area pursuant to section 9,

will be the Total Non-Growth Costs for the North Shore Sewerage Area.

(u) Section 7.6 is added as follows:

7.6 The Dry Weather Share for the North Shore Sewerage Area will be further apportioned among the member municipalities within the North Shore Sewerage Area as follows:

The Corporation of the District of West Vancouver	30%
The Corporation of the District of North Vancouver	45%
City of North Vancouver	25%



(v) Section 7.7 is added as follows:

7.7 The Wet Weather Share for the North Shore Sewerage Area will be further apportioned among the member municipalities within the North Shore Sewerage Area in accordance with the Wet Weather Share Method of Apportionment.

(w) Section 7.8 is added as follows:

7.8 Except as otherwise provided in this bylaw, the total of:

- (a) the portion of the Regional Share apportioned to the Fraser Sewerage Area under section 6.1;
- (b) the Sewerage Area Share apportioned to the Fraser Sewerage Area under section 6.2;
- (c) the Tier I Non-Growth Component apportioned to the Fraser Sewerage Area under section 6.3; and
- (d) all other costs apportioned to the Fraser Sewerage Area pursuant to section 9,

will first be subject to a special apportionment for Fraser Sewerage Area in accordance with section 7.9, and second, after deduction of the special apportionments in section 7.9, the remaining costs will be the Total Non-Growth Costs for the Fraser Sewerage Area and will be further apportioned in accordance with section 7.10 and 7.11.

(x) Section 7.9 is added as follows:

7.9 As a special apportionment for the Fraser Sewerage Area, the amount to be apportioned to the Village of Anmore in respect of Anmore Green Estates and Eagle Mountain Middle School will be equal to that portion of the Tier I Non-Growth Component, Tier II Non-Growth Component and Tier III Non-Growth Component Costs apportioned to the Fraser Sewerage Area that are attributable to Village of Anmore Flow.

(y) Section 7.10 is added as follows:

7.10 The Dry Weather Share for the Fraser Sewerage Area will be further apportioned among the member municipalities within the Fraser Sewerage Area, such that each municipality must pay X percent of the Dry Weather Share for the Fraser Sewerage Area, where X is calculated as follows:

$$X = \frac{100\% \text{ Dry Weather Flow for the member municipality} - 100\% \text{ Industrial Flow for the member municipality}}{100\% \text{ Dry Weather Flow for the Fraser Sewerage Area} - 100\% \text{ Industrial Flow for the Fraser Sewerage Area}}$$

(where flows are calculated for the five-year period ending June 30 of the previous year).

(z) Section 7.11 is added as follows:

7.11 The Wet Weather Share for the Fraser Sewerage Area will be further apportioned among the member municipalities within the Fraser Sewerage Area in accordance with the Wet Weather Share Method of Apportionment.

(aa) The entirety of section 8A of the Bylaw is deleted.

(bb) The entirety of section 8 of the Bylaw is deleted.

(cc) All references to the phrase "12 month", and the phrase "twelve month" in the Bylaw are deleted and replaced with the phrase "12-month";

(dd) All references to the phrase "average daily flows" in the Bylaw are deleted and replaced with the phrase "average daily flow";

(ee) All references to the phrase "sewage and wastewater" in the Bylaw are deleted and replaced with the phrase "wastewater";

(ff) All references to the phrase "on the basis set out in sections 7 and 8" are deleted and replaced with the phrase "on the basis set out in section 7";

(gg) All references to the phrase "section 804.2 of the *Local Government Act*" are deleted and replaced with the phrase "section 383 of the *Local Government Act*";

(hh) All references to the phrase "*Wastewater Systems Effluent Regulations* SOR/2012-139, as amended from time to time" are deleted and replaced with the phrase "*Wastewater Systems Effluent Regulations* SOR/2012-139".

Read a first, second and third time this 31<sup>st</sup> day of March, 2023.

Passed and finally adopted this 31<sup>st</sup> day of March, 2023.

George V. Harvie

George V. Harvie, Chair

Dorothy Shermer

Dorothy Shermer, Corporate Officer