

THE CITY OF EDMONTON

BYLAW 20638

**TO AMEND BYLAW 19627 EPCOR DRAINAGE AND WASTEWATER
TREATMENT BYLAW, AMENDMENT No. 1**

Edmonton City Council enacts:

1. Bylaw 19627, the EPCOR Drainage and Wastewater Treatment Bylaw is amended by this bylaw.
2. Schedule 1 - Price Schedule of Bylaw 19627, is amended in its entirety and replaced with Schedule 1 – Price Schedule attached hereto.
3. This bylaw 20638 comes into force on January 1, 2024.

READ a first time this 7th day of November 2023;

READ a second time this 7th day of November 2023;

READ a third time this 7th day of November 2023;

SIGNED AND PASSED this 7th day of November 2023.

THE CITY OF EDMONTON

..... *A. Siki*

MAYOR

..... *Shelley Gustrecht*

CITY CLERK

Schedule 1

Price Schedule

Part I – Sanitary and Stormwater Rates

Rate Sheet 1

Applicable To all domestic service Customers within the city of Edmonton.

Sanitary Utility Service Charges April 1, 2022 – March 31, 2025

Sanitary utility charges are calculated and levied on each Premises on a monthly basis and are comprised of a Flat Monthly Charge and a Variable Monthly Charge.

Flat Monthly Charge

The Flat Monthly Charge is levied on each Premises based on the size of the Premises' water meter.

Effective Dates and Adjustments for Future Years

The Flat Monthly Charge for the period April 1, 2022 – March 31, 2023 is set out below. Flat Monthly Charges for the period April 1, 2023 to March 31, 2025 will be determined by applying the adjustment factors in Schedule 3 of this Bylaw to the charges set out below, with new charge approval and implementation occurring on an annual basis in accordance with the adjustment methodology prescribed in Section 6 of this Bylaw.

Rate Flat Monthly Charge

Meter Size	Monthly Charge*
16mm	\$10.65
20mm	\$19.18
25mm	\$29.83
40mm	\$57.53
50mm	\$78.84
75mm	\$162.90
100mm	\$303.42
150mm	\$573.93
200mm	\$915.70
250mm	\$2,272.48
300mm	\$2,272.48
400mm	\$2,486.63
500mm	\$2,677.33

*These charges are subject to change, as permitted by the terms of this bylaw.

Part I – Sanitary and Stormwater Rates

Variable Monthly Charge

The Variable Monthly Charge is based on the cubic metre rate in the Variable Monthly Charge Table, subject to adjustments as permitted by this bylaw, and measured by one of the following metered flows:

- i. water consumption for the premises;
- ii. sewer discharge for a premises on which a sewer meter has been installed in accordance with this bylaw; or
- iii. water consumption for the premises as discounted by the application of a utility credit as approved in accordance with this bylaw.

Effective Dates and Adjustments for Future Years

The Variable Monthly Charge for the period April 1, 2022 – March 31, 2023 is set out below. Variable Monthly Charges for the period April 1, 2023 to March 31, 2025 will be determined by applying the adjustment factors in Schedule 3 of this Bylaw to the rates set out below, with new rate approval and implementation occurring on an annual basis in accordance with the adjustment methodology prescribed in Section 6 of this Bylaw.

Variable Monthly Charge Table

Premises	Rate per m ³
All premises (except large wholesale)	\$1.2493
Large Wholesale* with Collection System	\$0.6996

* Large Wholesale means a premises designated as such by EWSI in accordance with this bylaw.

Part I – Sanitary and Stormwater Rates

Rate Sheet 2**Stormwater Utility Service April 1, 2022- March 31, 2025**

Applicable To all persons, firms or bodies corporate that receive Water Services or other services related to or incidental to Water Services from EWSI pursuant to Bylaw 19626, as amended, and where the context or circumstances so require includes any person who makes or has made an application for Water Services or otherwise seeks to receive Water Services, and also includes any person acting as an agent or representative of such person, as well as a registered owner or tenant of property to which Water Services are being delivered.

To all persons, firms or bodies corporate that receive Drainage Services, directly or indirectly, or other services related to or incidental to Drainage Services pursuant to this Bylaw or otherwise seeks to receive Drainage Services, and also includes any person acting as an agent or representative of such person, as well as a registered owner or tenant of property to which Drainage Services are being delivered.

All owners or occupants of Premises within the city of Edmonton share costs associated with Stormwater service: Stormwater utility charges are levied on all owners or occupants of Premises that receive Water Services and all other Premises that benefit either directly or indirectly from the conveyance of Stormwater by EWSI facilities. Stormwater utility charges are calculated based on a monthly rate using the following formula:

Stormwater utility charge = **A x I x R x rate**

- A** is:
- the area of premises (m²), and
 - the proportion of building lot area attributable to each unit for multiple units sharing a single building or property
- I** is
- the development intensity factor of 1.0, except for properties where owners have demonstrated that they contribute significantly less stormwater per m² to the City's sewerage system during rainfalls than other similarly zoned properties by making an application for a reduction in the intensity development factor pursuant to this bylaw.
- R** is
- the runoff coefficient based on the zoning of the premises.

The zoning designation used to calculate a property's Stormwater utility charge is the zoning designation determined by the City of Edmonton through its bylaws or otherwise. If a property's zoning designation is not referenced within the Runoff Coefficient Table, EWSI shall, in its sole

Part I – Sanitary and Stormwater Rates

discretion, use the zoning designation within the Runoff Coefficient Table that most closely aligns with the property’s zoning designation.

EWSI reserves the right to adjust Stormwater billing factors (area, development intensity factor or runoff coefficient) to ensure that a property’s Stormwater utility charge reflects service received by the property.

Runoff Coefficient Tables

The following tables shall be in effect until March 31, 2025.

Existing Drainage Services

For Premises incurring charges for Drainage Services prior to January 1, 2024, the following shall apply:

R	Zoning
0.10	AG
0.20	A, RR
0.30	AP, US (schools)
0.50	RF1, RF2, RF3, RF4, RMH, IH, MA, AGU
0.65	RSL, RF5, RF6, RA7, RPL
0.75	RA8, US (except schools), PU
0.90	RA9, RMX, CNC, CSC, CB1, CHY, CO, IB, IM, AGI, DC
0.95	CB2, CMX

New Drainage Services

For Premises which begin to incur charges for Drainage Services on or after January 1, 2024, the following shall apply:

R	Zoning
0.1	AG, NA
0.2	RR, A
0.3	PS, PSN
0.5	RS, FD, IH
0.65	RSF, RSM, RM, PS (schools)
0.75	UF, PU, UI
0.9	RL, BE, IM, CG, CB, CN, MU, MUN, AJ, DC, DC1, DC2

Part I – Sanitary and Stormwater Rates

Rate

The Stormwater Utility Service Rate for the period of April 1, 2022 – March 31, 2023, unless otherwise adjusted by other mechanisms permitted by this bylaw, is:

Rate	\$0.056908
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The Stormwater Utility Service Rate for the period April 1, 2023 to March 31, 2025 will be determined by applying the adjustment factors in Schedule 3 of this Bylaw to the rate set out above, with new rate approval and implementation occurring on an annual basis in accordance with the adjustment methodology prescribed in Section 6 of this Bylaw.

Part II – Services Fees and Charges

Service Fees and Charges – April 1, 2022 – March 31, 2025**1. Application Fees**

Application Type	2022 Fee
Application to release matter	\$189.58
Application to approve a compliance program	Subject to estimate based on cost of service
Records search	\$142.06
Application for reduction in stormwater utility credit	
Initial application	\$400.00
Renewal application	\$225.00
Application for sanitary utility credit	\$400.00

2. Sanitary Sewer Trunk Charges**Applicable**

To all owners of a premises abutting an EWSI or City right-of-way in which there is a sanitary or combined sewer, the sanitary sewer trunk charge shall be levied

- (a) when a development permit is issued for development, redevelopment, or renovation on the premises;
- (b) if no development permit is required, when a building permit is issued for development, redevelopment, or renovation on the premises; or
- (c) when an application is made for sewer service to the premises.

For the purpose of calculating the sanitary sewer trunk charge, “secondary suite”, “garden suite”, and “garage suite”, as well as reference to “use classes”, have the same meaning as defined by the City of Edmonton Zoning Bylaw, Bylaw 12800, as amended.

Dwelling unit means a self-contained room or rooms with sleeping and cooking facilities, as defined in the City of Edmonton Zoning Bylaw, Bylaw 12800, as amended.

Residential means a premises used primarily for domestic purposes, where no more than four dwelling units are metered by a single water meter and the meter size to the premises is not greater than 50mm.

Part II – Services Fees and Charges

Sanitary sewer trunk charges are calculated as follows:

For development, redevelopment, or renovation of premises for residential use classes:

Dwelling	2022 Fee*	2023 Fee**	2024 Fee**	2025 Fee**
1 – 2 dwelling units, excluding secondary suites, garden suites, or garage suites	\$ λ	\$ λ	\$ λ	\$ λ
2 dwelling units where one unit is a secondary suite, garden suite, or garage suite	\$ λ	\$ λ	\$ λ	\$ λ
3 or more dwelling units	\$ λ	\$ λ	\$ λ	\$ λ
Commercial	\$ λ	\$ λ	\$ λ	\$ λ
Industrial	\$ λ	\$ λ	\$ λ	\$ λ
Institutional	\$ λ	\$ λ	\$ λ	\$ λ

*Sanitary sewer trunk charges for 2022-2025 shall be adjusted in accordance with an adjustment notice provided by the city of Edmonton, as applicable.

Notwithstanding the above, if a sanitary sewer trunk charge is levied on premises as a result of the redevelopment or renovation of premises, the sanitary sewer trunk charge will be calculated using the following formula:

$$\text{sanitary sewer trunk charge} = A - B$$

- A is:
- the sanitary sewer trunk charge that would have been levied based on the above fees;
- B is:
- the sanitary sewer trunk charge previously levied and paid for the premises prior to the redevelopment or renovation on the premises; or
 - if the redevelopment or renovation of the premises is for residential use classes, then the sanitary sewer trunk charge that would have been paid had a sanitary sewer trunk charge been levied with respect to the development that existed on the premises prior to the date of the redevelopment or renovation.
 - if the result is a negative figure, the sanitary sewer trunk charge will be deemed to be \$0

Part II – Services Fees and Charges

3. Other Service Charges**Hauled Wastewater**

The fee for Hauled Wastewater is calculated based on vehicle size:

2022 Fee	\$26.27 per axle, excluding the first steering axle
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If the Hauled Wastewater contains settleable solids in a concentration greater than 100 mL/L, the hauled wastewater fee is double the amount per axle indicated in the table above.

Missed Appointment Fees

To all customers who do not keep a scheduled appointment with an EWSI representative

2022 Missed Flood Assessment Appointment Fee	\$60.00
2022 Missed Obstruction Removal Appointment Fee	\$200.00

No-Access Fee

To all Customers who request EWSI to investigate sewer trouble but fail to provide access to the sanitary cleanout as required by EWSI's Drainage Services Guidelines.

2022 No-Access Fee	\$200.00*
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*This fee is subject to waiver or reimbursement if the Customer provides access to the sanitary cleanout as required by EWSI's Drainage Services Guidelines within 30 days of the initial investigation request.

Investigation Fee

To all Customers who request EWSI to investigate sewer trouble where the result of the investigation indicates that the sewer trouble is caused by a private plumbing issue.

2022 Investigation Fee	\$200.00 for second and subsequent appointments
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Service Connection Fees

The fee for new sewer connections is calculated on a cost of service basis in accordance with the Drainage Services Guidelines.

Miscellaneous fees

EWSI may impose any other fees on the owner or developer of premises provided that those fees are reasonably connected to the provision of the sewer service to that premises.

Part III – Wastewater Treatment Rates

Wastewater Treatment Rates

Wastewater Treatment Rates for the period of April 1, 2022 – March 31, 2023, unless otherwise adjusted by other mechanisms permitted by this bylaw, are set out below:

Residential Wastewater Treatment Service

Applicable To all domestic service Customers and multi-residential service Customers located within the city of Edmonton which are serviced by or connected to the City's sewerage system.

A domestic service is defined as a service supplied to premises used primarily for domestic purposes, where no more than four separate dwelling units are metered by a single water meter and the service line to the premises is not greater than 50 millimeters in diameter.

If a business is conducted from premises that otherwise fall within the above definition of a domestic service, Commercial Wastewater Treatment Service rates apply; provided however, that if a portion of the premises from which the business is conducted is separately metered, then a Commercial Wastewater Treatment Services rate will apply only to that portion of the premises.

Effective Dates and Adjustments for Future Years

Fixed Monthly Services Charges and Consumption Charges for the period April 1, 2023 to March 31, 2025 will be determined by applying the adjustment factors in Schedule 3 of this Bylaw to the rates set out below, with new rate approval and implementation occurring on an annual basis in accordance with the adjustment methodology prescribed in Section 6 of Schedule 1 of this Bylaw.

Rates	Fixed Monthly Service Charge	\$6.22 per month
	Consumption Charge*	
	All consumption	\$1.2334 per m ³

* Consumption is based on water meter readings unless otherwise approved by EWSI and the City.

Part III – Wastewater Treatment Rates

Commercial Wastewater Treatment Service

Applicable To all commercial, industrial and institutional Customers within the city of Edmonton which are serviced by or connected to the City's sewerage system.

To all Customers not otherwise defined as Residential Wastewater Treatment Service Customers.

Effective Dates and Adjustments for Future Years

Fixed Monthly Services Charges and Consumption Charges for the period April 1, 2023 to March 31, 2025 will be determined by applying the adjustment factors in Schedule 3 of this Bylaw to the rates set out below, with new rate approval and implementation occurring on an annual basis in accordance with the adjustment methodology prescribed in Section 6 of this Bylaw.

Rates	Fixed Monthly Service Charge	\$6.22 per month
	Consumption Charge *	
	0 m ³ – 10,000.0 m ³	\$1.2334 per m ³
	10,000.1 m ³ – 100,000.0 m ³	\$0.9542 per m ³
	Over 100,000.0 m ³	\$0.4979 per m ³

** Consumption is based on water meter readings unless otherwise approved by EWSI and the City.*

Part III – Wastewater Treatment Rates

Wastewater Treatment Rate: Sanitary Utility Credit

Applicable

To non-residential wastewater treatment service Customers who can clearly demonstrate that there is a water loss experience between their water consumed and their discharges to the sanitary sewer system on a continuous monthly basis.

The Customer must submit a written application to EPCOR, as required by Schedule 2 to the Bylaw.

Part III – Wastewater Treatment Rates

Wastewater Overstrength Surcharges

Applicable Applies to a Customer who releases wastewater to the sewer system that contains one or more constituents that exceed the concentration indicated in this Schedule.

Effective Dates and Adjustments for Future Years

The Wastewater Overstrength Surcharges for the period April 1, 2023 to March 31, 2025 will be determined and adjusted as outlined in Schedule 3 of this Bylaw, with new rate approval and implementation occurring on an annual basis in accordance with the adjustment methodology prescribed in Section 6 of this Bylaw.

Rates**Wastewater Overstrength Surcharge:**

The Overstrength Surcharge, applied to each m³ of water consumed, for each kilogram of surchargeable matter per m³ of wastewater that exceeds the concentration indicated for that matter shall be:

	Concentrations Above:
a) \$0.7743 for Biochemical Oxygen Demand (BOD)	300 mg/L
b) \$0.7743 for Chemical Oxygen Demand (COD)	600 mg/L*
c) \$0.6769 for oil and grease	100 mg/L
d) \$6.4427 for phosphorous	10 mg/L
e) \$0.7028 for suspended solids, and	300 mg/L
f) \$1.6445 for total kjeldahl nitrogen (TKN)	50 mg/L

* Or twice the BOD concentration in the wastewater, whichever is greater.

Wastewater Additional Overstrength Surcharge:

The Additional Overstrength Surcharge, applied to each m³ of water consumed, for each kilogram of surchargeable matter per m³ of wastewater that exceeds the concentration indicated for that matter shall be:

	Concentrations Above:
a) \$0.7743 for Biochemical Oxygen Demand (BOD)	3,000 mg/L
b) \$0.7743 for Chemical Oxygen Demand (COD)	6,000 mg/L*
c) \$0.6769 for oil and grease	400 mg/L
d) \$6.4427 for phosphorous	75 mg/L
e) \$0.7028 for suspended solids, and	3,000 mg/L
f) \$1.6445 for total kjeldahl nitrogen (TKN)	200 mg/L

* Or twice the BOD concentration in the wastewater, whichever is greater.

Part III – Wastewater Treatment Rates

Wastewater Overstrength Surcharges Adjustment

Applicable	<p>To Customers to whom the Wastewater Overstrength Surcharges apply and who own and operate facilities that produce and deposit into the sewer system 25,000 m³ or more per month of wastewater with a Biochemical Oxygen Demand equal to or greater than 100 tonnes per month with a ratio of Chemical Oxygen Demand to Biochemical Oxygen Demand (5-day test) less than 2.0.</p> <p>It must be demonstrated through a technical assessment by EWSI that the impact of treating the Customer's wastewater stream at the Gold Bar Wastewater Treatment Plant will be significantly beneficial for biological nutrient removal. The Customer must provide, at its own cost, all information, samples and other materials that EWSI may require to complete this technical assessment. The Customer will be responsible for the full cost of the EWSI technical assessment.</p> <p>This adjustment does not apply to Residential Wastewater Treatment Service Customers.</p> <p>A Customer who wishes to be considered for this adjustment must submit a request in writing to EWSI for review of its Wastewater Overstrength Surcharge and eligibility for the adjustment. EWSI reserves the right to accept or deny any application and the amount and duration of the adjustment will be at the sole discretion of EWSI, as determined by the EWSI study reflecting the Gold Bar Wastewater Treatment Plant operation. Only one Wastewater Overstrength Surcharges Adjustment will be applied to any one Customer at one time.</p>
Rate	<p>A discount from the regular rates for Wastewater Overstrength Surcharges where the level of discount to the Customer will be determined on a case-by-case basis.</p>
Effective Dates	<p>This rate is effective as of and when EWSI amends or approves the rate for the period April 1, 2022 to March 31, 2025.</p>

Part III – Wastewater Treatment Rates

Wastewater Overstrength Surcharges: Supplementary Information**1. Key Terms**

- a. **Biochemical oxygen demand (BOD)** means the quantity of oxygen required for the biochemical degradation of organic material and the oxygen used to oxidize inorganic material such as sulphides and ferrous iron during a 5-day, 20 degree Celsius incubation period and may measure the oxygen used to oxidize reduced forms of nitrogen, as determined by using a standard procedure.
- b. **Chemical oxygen demand (COD)** means a measure of the oxygen equivalent of the organic content of a sample that is susceptible to oxidation by a strong chemical oxidant, as determined by using a standard procedure.
- c. **Flow monitoring point** means an access point to the building drain, building sewer, private drainage system or sewer service for the purpose of collecting representative samples of the wastewater being released from the premises.
- d. **Oil and grease** means any solvent extractable material of animal, vegetable or mineral origin, as determined by using a standard procedure.
- e. **Phosphorus** means all forms of phosphorus in a sample, as determined by using a standard procedure.
- f. **Suspended solids** means the portion of total solids retained by a filter, as determined by using a standard procedure.
- g. **Total Kjeldahl Nitrogen (TKN)** means organically bound nitrogen plus ammonia nitrogen, as determined by using a standard procedure.

2. Determination of Wastewater Overstrength Surcharges

EWSI or its agent:

- a. will collect a composite sample of the wastewater being released over any 24 hour period or part thereof;
- b. will determine the concentration of the surchargeable constituents in the sample, using a standard procedure;
- c. will calculate the average concentration of each constituent from a minimum of four (4) composite samples taken over a period of more than seven (7) days, and not longer than a 12 month period;

Part III – Wastewater Treatment Rates

- d. may, where the concentration(s) of the overstrength constituent(s) are in the same range as those used to establish the existing overstrength surcharge, use the existing mean concentrations to set the overstrength surcharge rate until such time as the concentrations fall outside the existing range;
- e. will calculate the average number of kilograms of each surchargeable constituent per cubic metre of wastewater, that exceeds the concentration indicated in Part IV “Wastewater Overstrength Surcharge” and “Wastewater Additional Overstrength Surcharge” of this Schedule; and,
- f. will calculate the Wastewater Overstrength Surcharges which will appear on the Customer’s utility bill using the following formula:

Overstrength surcharge (\$) =

$$\frac{m^3 \{ (Ob(Cxb - 300) + Oc(Cxc - Cac) + Oo(Cxo - 100) + Op(Cxp - 10) + Os(Cxs - 300) + On(Cxn - 50)) \}}{100,000}$$

Where:

- m^3 is the total water consumption in cubic meters (or, if approved, sewer metering);
- Ob, Oc, Oo, Op, Os and On are the Overstrength surcharge set out in Part IV for each kilogram of BOD, COD, oil and grease, phosphorus, suspended solids, and TKN, respectively.
- Cxb, Cxc, Cxo, Cxp, Cxs, Csn are the average concentrations in milligrams per liter (mg/L) of BOD, COD, oil and grease, phosphorus, suspended solids and TKN, respectively, in the sampled wastewater.
- Cac is 600 or double the average BOD concentration in mg/L, whichever is greater.
- The additional surcharge is calculated using the above formula but substituting 3000, 400, 75, 3000 and 200 for 300, 100, 10, 300 and 50, respectively, and Cac is 6000 or double the average BOD concentration in mg/L, whichever is greater.
- Where the remainder of a subtraction is a negative number, that component of the formula becomes equal to zero.

Part III – Wastewater Treatment Rates**Wastewater Overstrength Surcharges: Supplementary Information**

3. Application of Wastewater Overstrength Surcharges**a. Single Business, Multiple Sewers:**

Where the wastewater from a premises is released through two or more building sewers and where there is no accurate measurement of the individual flows being released, the release that would produce the highest surcharge will be used to determine the overstrength surcharge on all releases.

b. Multiple Businesses, Single Water & Sewer Service:

Wastewater released through a single sewer service from a premises with two or more separate businesses serviced by a single water service will be considered as being released by the person responsible for the payment of the utility bill for that water meter.

c. Multiple Businesses, Multiple Water Services & Single Sewer Service

Wastewater released through a single sewer service from a premises with two or more separate businesses, each serviced by separately metered water services, will be considered as being released from each of the separate businesses, in proportion to the separate business' water consumption, unless it is shown to the satisfaction of EWSI or its agent, by the owner of the premises, that:

- i. the portion of the wastewater that is overstrength is being released from only one of the businesses serviced by a separate metered water service on the premises; and,
- ii. the release from that business can be monitored separately from the other businesses.

Part III – Wastewater Treatment Rates

Wastewater Overstrength Surcharges: Supplementary Information

4. Review of Wastewater Overstrength Surcharges

A Customer may request a review of the Wastewater Overstrength Surcharge or the Additional Overstrength Surcharge, or both, by applying in writing to EWSI to have the specific charges reviewed.

The Customer making the request will supply to EWSI:

- a. analytical data from analyses of composite samples:
 - i. collected over the period of time over which the surcharge was calculated;
 - ii. collected from the flow monitoring point in accordance with section 2(a) of this Wastewater Overstrength Surcharge: Supplementary Information;
 - iii. analyzed in accordance with section 2(b) of this Wastewater Overstrength Surcharge: Supplementary Information; and,
 - iv. supported by the analytical data indicating the accuracy and precision of the analyses; and
- b. any other information EWSI deems necessary to carry out the review.

EWSI will determine whether the Wastewater Overstrength Surcharge, the Additional Overstrength Surcharge, or both, should be recalculated for the time period being reviewed.