

APPENDIX C: ENGINEERING

1.0 GENERAL

Staff have reviewed the current fees and charges within the Engineering section of the bylaw. The proposed benchmark CPI increase of 3.45% is appropriate, barring the exceptions as outlined in this Appendix. In general, to aid Engineering permit processing, most fees (above \$10) have been rounded up to the nearest dollar.

Where necessary, additions and deletions to the bylaw are described below.

2.0 C4 - LOCAL IMPROVEMENT CHARGES BYLAW

2.1 Annual Interest Rate

The rate of interest used in calculating the annual repayment amount of a local improvement project is based on the prior years reported yield on the City of Burnaby's investment portfolio (4.04% for 2023). The intent of using the portfolio yield as the applicable rate of interest is to reflect in part the opportunity cost of the City of Burnaby effectively allowing a property owner to spread the repayment for a local improvement project over an agreed term – 5, 10, or 15 years. Each time the rates are updated, the most recently reported yield figure is obtained and used in setting the present value factor and per foot / meter rate applied for each type of project.

2.2 Project Charge Rates and Property Recovery

Staff have reviewed all available project cost information and have used the Engineering Construction Cost Index to build out projected costs for 2025. For all projects, updated cost projections show a marked increase in costs and subsequent recovery charges per foot / metre. Through using a sample of past actual projects staff have received the impact any increase in rates will have on property owners. Where applicable, staff have reduced the target percentage recovery rate to lessen the impact on property owners. The aim being to strike a balance between cost recovery and continued support from property owners for Local Improvement Projects. Target recovery from property owners for each project type is now as follows:

➤ Street Upgrade	10%
➤ Sidewalk	30%
➤ Street lighting	30%
➤ Lane paving	30%
➤ Speed Humps	N/A - Discontinued
➤ New Boulevard Trees	20%
➤ Replacement Boulevard Trees	20%

2.3 Discontinued Projects – Speed Humps

Following a review of petitions held over recent years, costs, and the efficiency and effectiveness of the program, it is proposed that this category of Local Improvement Project is removed from the bylaw. Currently charged at \$0.48 per foot, or \$1.57 per metre, recovery from property owners is carried out over a five -year period. Over the past 11 years, out of 85 petitions, 68 have been defeated.

It is felt that given the poor petition numbers, paired with the effort required to undertake the petition and low recovery values from property owners, this form of project is no longer viable and therefore should be discontinued. In its place, transportation staff will complete technical assessments for areas that may warrant installation of speed humps. If it is determined that such a project meets traffic mitigation measures under the Traffic and Speed Management Policy, the City will update the Capital plan for its inclusion.

3.0 C6 - PARKING METER & ELECTRIC VEHICLE CHARGING METER BYLAW

3.1 Parking Fees and Charging Rates

The fee and charges referenced under the first two tables in Schedule C6 (Sections 4 and 5 of the Parking Meter and Electric Vehicle Charging Meter Bylaw) will not be increasing for 2025. The current rates represent the maximum threshold for each tier of time. To date, the City of Burnaby has not required charges at the top these thresholds. Council approval will be sought for each time staff propose an increase to the parking fee for a specific area.

3.2 Parking Meter Fees

The fees for Parking Meter Plating have been revised to reflect updated shop rates for 2025, with Labour charges per hour separate to those for materials.

3.3 EV Parking Meter Locations

The RCMP has requested use of the Deer Lake Avenue EV charging station for a pilot electric vehicle program. As such, this EV charging station will no longer be available to the public and should be removed from Schedule “B” of the Parking Meter and Electric Vehicle Charging Meter Bylaw. Public EV charging stations were installed at the Rosemary Brown Recreation Centre and are now operational. This location should be added as an EV metered zone under Schedule “B”.

It is proposed that Schedule “B” of the Parking Meter and Electric Vehicle Charging Meter Bylaw be amended, effective upon final adoption of the amendment bylaw, to:

- remove the following location:
 - Deer Lake Avenue east of Century Park Way (adjacent to Shadbolt Centre for the Arts) – 6400 Block Deer Lake Avenue, Burnaby, BC
- add the following location:
 - Rosemary Brown Recreation Centre – 7789 18th Street, Burnaby, BC

4.0 C7 – SEWER CONNECTION BYLAW

New - Beta Pump Station Recovery Fee

The Beta Pump Station was completed in 2019. The purpose of the proposed Beta Pump Station Recovery Fee is to recover the remaining cost of the pump station that will benefit future residential, industrial, commercial and institutional buildings within the catchment area that have not paid the Future Infrastructure Charge (FIC) for the Douglas Sanitary Pump Station, Gilmore and Beta Pump Stations as part of a rezoning application. The catchment area is identified in the map attached to this Appendix C. A specialized and separate fee is required as the Development Cost Charge disallows inclusion of completed projects. It is estimated that an additional 9000 residential units and 130,000 sqm of industrial, commercial and institutional space will benefit from the Beta Pump Station. The rates for the new fee (to be collected as part of building permit issuance for a new building on properties that have not already paid FICs for the Douglas Sanitary Pump Station, Gilmore and Beta Pump Stations), are as follows:

- Per dwelling unit charge \$252.00 (residential uses)
- Per square meter \$1.15 (industrial, commercial and institutional uses)

In order to implement this new fee, the following is proposed to be added as section 5A in the Sewer Connection Bylaw 1961:

- 5A. (1) Subject to subsection (2), the applicant for a building permit for the construction of a new building within the area shown outlined in bold in the map attached to Schedule “B” of this bylaw shall pay to the City the Beta Pump Station Cost Recovery Fee specified in the Burnaby Consolidated Fees and Charges Bylaw.
- (2) The fee under subsection (1) does not apply to a parcel that has paid the Future Infrastructure Contribution – Douglas Sanitary Pump Station, Gilmore and Beta Pump Stations for the dwelling units or floor area of the new building as part of a rezoning application for the parcel.

The Beta Pump Station catchment area map attached to this Appendix C is proposed to be included as Schedule “B” to the bylaw.

5.0 C7 (A) - SEWER CHARGE BYLAW

All fees within this schedule will be updated in November as part of the annual update to utility rates.

6.0 C7 (B) - SEWER PARCEL TAX BYLAW

All fees within this schedule will be updated in November as part of the annual update to utility rates.

7.0 C9 (A) - SOLID WASTE AND RECYCLING FEES

7.1 Monthly Rental Fees – Tables A and B (Multi Family, plus Institutional, Commercial and Industrial)

The monthly rental fees for steel containers within both the Multi Family and the ICI sectors were increased by approximately 50% in 2022. The purpose of this increase was to help offset the rising cost of materials and labour used in container construction. As per the November 2, 2021, report to Council, barring any unforeseen increase in costs, these rental fees are to be held at current levels until 2026.

7.2 First scheduled pickup charge – Table B (Multi Family sector only)

The staff report to Council on November 2, 2021, set out specified pickup rates for 2023 – 2026. The specified 2025 rates (at a discount of 25%) are proposed under Schedule C9 (A) - Table B. Note: 2025 will be the final year for discounted first container pickup fees. Commencing in 2026, all scheduled pickups will be charged at the prevailing rates.

7.3 Scheduled and non-scheduled pickup charges – Table B (Multi Family Sector only)

As per the report to Council on November 2, 2021, rates will be held until 2026. For both rental and pickup rates, Engineering staff will continue to monitor cost increases to provide rate increase recommendations as required. All other rates within Schedule C9 have been updated in line with CPI.

8.0 C10 - STREET AND TRAFFIC BYLAW

8.1 Pavement Degradation Fee

A fee is currently charged for pavement cuts based on the age of the pavement. The deterioration of the road is accelerated when cuts are made into the pavement for various purposes, such as utility installations and subsurface investigations, and when these cuts are not properly restored. The Pavement Restoration Policy (2022) sets out the Engineering specifications for such cuts. The policy is intended to minimize the impact to the service life of pavement due to excavations. As such, fees have not been charged since August 2023. It is therefore proposed that these fees are removed from the schedule.

8.2 Development Works Encroachment Permit Fees (Section 24(2)(D))

Title change - Encroachment fees are now included within Schedule C15. As such, the title of this section has been amended to exclude the term 'Encroachment'.

8.3 Anchor Rod Installation Fees

Anchor Rod Fees are charged to developers when an excavation needs to be stabilized by the placement of anchor rods on City property. In alignment with neighbouring municipalities, this fee is intended to be a one-time charge per square meter of area of the proposed excavation face as calculated by the developer's engineer that will be supported by anchor rods encroaching into a street or lane. This is in lieu of any continuing annual charges, similar to neighbouring municipalities.

8.4 Construction Hoarding Fees

New for 2025, the city intends to charge for Construction hoarding on City property (per square metre per month). The intent being to provide a contribution to the cost of administering activities related to hoarding, and also encourage its timely removal.

8.5 Curbside Reservation Permit

It is proposed that a new Curbside Reservation Permit fee is introduced as an additional item in Schedule C10. This fee replaces the 17% overhead fee and is required to recover time and material related to reserving curbside parking.

9.0 C12 – TRANSPORTATION RELATED FEES

Shared Vehicle Decal

This fee was only introduced in 2024. As the city continues to work through development of the program, it is recommended that the fee be held at the current rate.

10.0 C13 - WATERCOURSE BYLAW

Erosion & Sediment Control System Permit & Inspection Fees

The current fees noted as 3rd and 4th inspection are to be updated to read 1st and 2nd inspection. in bylaw.

11.0 SCHEDULE C14 – WATERWORKS REGULATION BYLAW

All fees within this schedule will be updated in November as part of the annual update to utility rates.

12.0 C15 - ENCROACHMENT FEES

To address a gap in existing fee provision, this new schedule sets out fees for the following:

- Standard Encroachment (involves mainly single- and two-family properties with simple encroachment requests - example, signage on city property)
- Non-Standard Encroachment (charged in addition to the standard encroachment fee, when it is established that the encroachment is more complex in nature)

BETA PUMP STATION CATCHMENT AREA

