

DATE OF MEETING FEBRUARY 26, 2024

AUTHORED BY JENNIFER McASKILL, MANAGER, FACILITY ASSET PLANNING

SUBJECT ELECTRIC VEHICLE SUPPLY EQUIPMENT COST RECOVERY BYLAW

OVERVIEW

Purpose of Report

To seek Council direction to recover costs associated with City owned, public-facing electric vehicle charging stations.

Recommendation

Electric Vehicle Recharging Bylaw

1. That Council give first reading to “Electric Vehicle Recharging Bylaw 2024 No. 7365” (a bylaw to collect electric vehicle supply equipment and energy cost charges within the City of Nanaimo).
2. That Council give second reading to “Electric Vehicle Recharging Bylaw 2024 No. 7365”.
3. That Council give third reading to “Electric Vehicle Recharging Bylaw 2024 No. 7365”.

Fees and Charges Amendment Bylaw

1. That Council give first reading to “Fees and Charges Amendment Bylaw 2024 No. 7336.07” (a bylaw to add electric vehicle charging connection fees).
2. That Council give second reading to “Fees and Charges Amendment Bylaw 2024 No. 7336.07”.
3. That Council give third reading to “Fees and Charges Amendment Bylaw 2024 No. 7336.07”.

Bylaw Notice Enforcement Amendment Bylaw

1. That Council give first reading to “Bylaw Notice Enforcement Amendment Bylaw 2024 No. 7159.19”
2. That Council give second reading to “Bylaw Notice Enforcement Amendment Bylaw 2024 No. 7159.19”.
3. That Council give third reading to “Bylaw Notice Enforcement Amendment Bylaw 2024 No. 7159.19”.

BACKGROUND

On 2024-FEB-12, the Governance and Priorities Committee received a report for information about a potential cost recovery bylaw covering electric vehicle charging stations. The report

forms Attachment A. The Information Report provided background on approaches by other municipalities. |

DISCUSSION

Electric Vehicle Supply Equipment (EVSE) was installed to support Electric Vehicle (EV) charging in the community while attending a city facility, park, or attending neighbouring businesses. As EVs become more prolific, it is important to encourage turnover at EVSE, allowing more individual sessions, and providing the service to a larger portion of the population. The fee structure provides 2-hours of charging at a rate comparable to home-based charging while incentivising moving after the first two hours. Users requiring additional time, will pay a premium for a longer stay. A premium rate has been included for overnight hours. Vehicle charging apps notify users when their vehicle is finished charging. A grace period of 15 minutes has been included allowing users to return to their vehicle and relocate prior to being subject to a premium rate attached with an idle connection.

Staff propose to adjust charges each year based on BC Hydro rate increases and increases related to asset management specific to these services.

Based on equity, good governance, and asset management principles, Staff recommend adoption of the attached three bylaws.

OPTIONS

Option1:

Electric Vehicle Recharging Bylaw

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Option 2:

That Council provide Staff with alternate direction. |

SUMMARY POINTS

- The City currently has six, dual head, electric vehicle charging stations available for public use and the demand for charging is increasing.
- The service provided is used by a small portion of the population but is paid for through general revenue. Adopting a bylaw will provide cost recovery for the City.
- The proposed “Electric Vehicle Recharging Bylaw 2023 No. 7365” would enable recovery of the City’s direct costs and are commensurate with home charging costs.

ATTACHMENTS:

Attachment A – Information Report “Electric Vehicle Supply Equipment Recovery Bylaw”
2024-Feb-12

“Electric Vehicle Recharging Bylaw 2024 No. 7365”

“Fees and Charges Amendment Bylaw 2024 No. 7336.07”

“Bylaw Notice Enforcement Amendment Bylaw 2024 No. 7159.19”

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