



STAFF REPORT TO COUNCIL

Report No. 41-2024

Date: June 3, 2024

From: Nathan Richard, Director of Operations

RE: Electric Vehicle Charger Update

Recommendation:

For Information.

Background / Analysis:

Effective January 1, 2024, a \$2.00 per hour fee was implemented for the use of public electric vehicle charges. Council requested Staff to report back on the charger usage mid-year to understand the impact of the fee.

The majority of Level 2 EV charging stations in Ontario cost between \$1.00 and \$2.00 per hour. To incentivize users, Prescott offered to charge at no cost, for an implementation period of 24 months (2022 and 2023).

Summary of Charger Installations

Charger Location	Quantity	Chargers
Shoppers Drug Mart parking lot	2	Level 2
Sandra S. Lawn Harbour and Marina parking lot	2	Level 2
Town Hall Municipal Building	2	Level 2
Leo Boivin Community Centre (LBCC)	1	Level 2
Alaine Chartrand Community Center (ACCC)	4	Level 2

Usage Review:

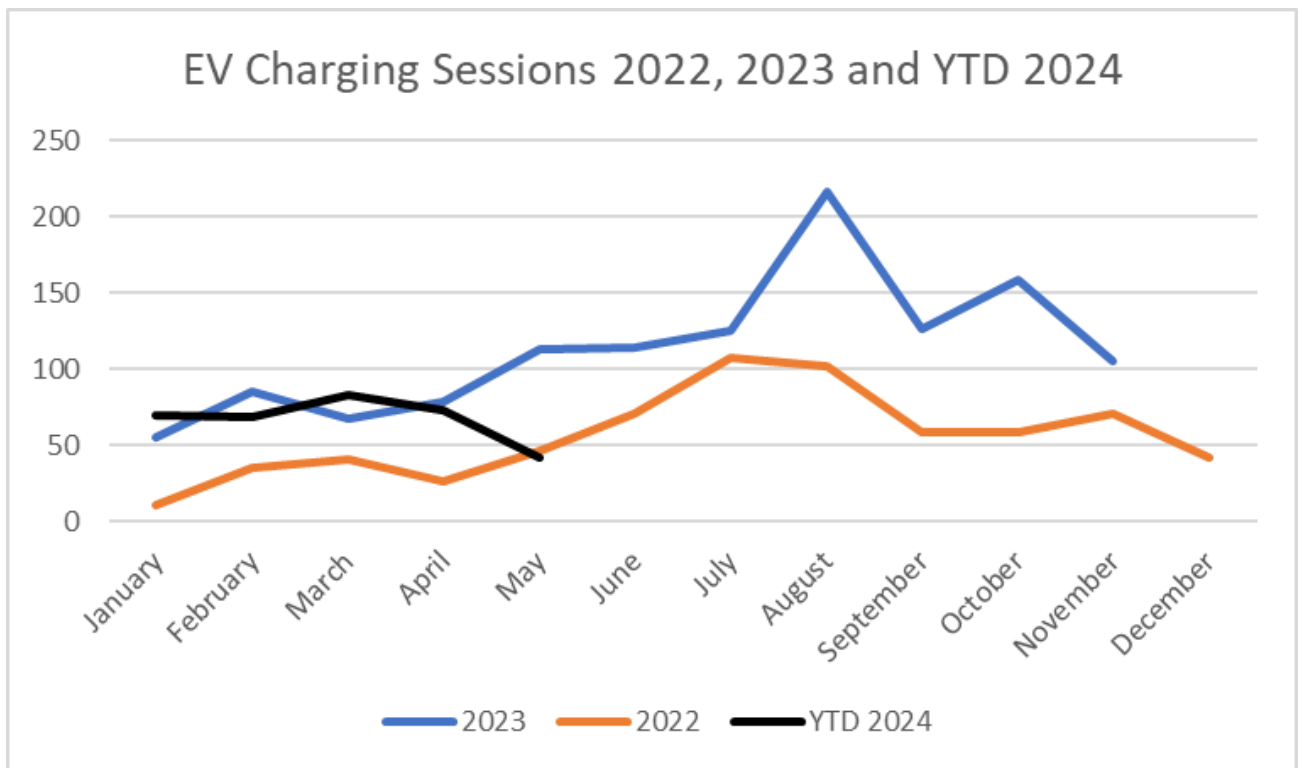
Below is a graph showing the EV Charger usage for the last 2 years and 2024 year-to-date (YTD). There has been a drop in usage since the implementation of the fee.



When there is no fee for use, users would possibly “top up” the battery when parked and now with a fee, this may not be as widely used or attractive.

Additional EV Charging options continue to unfold in the public and private sectors throughout Ontario such as the EV Chargers on the 401 Highway ONRoute and local fueling stations as they seek alternative power options for vehicles.

Marina chargers were off while E Dock was being replaced, for approximately 1 month.



Data from FLO – all Town EV Charger data 2024 year to date.



Usage sessions report for owner Town of Prescott

This report includes usage sessions that ended between 2024/01/01 00:00 and 2024/05/29 23:59.

Any usage sessions with no energy transferred are ignored.

Owner	Park	Station Count	Total Sessions	Total Connection Time	Total Amount	Currency	Total kWh
Town of Prescott	Prescott - LEO ARENA	1	11	46:32	93.13	CAD	195.08345
Town of Prescott	Prescott - Recreation Complex	4	80	152:39	304.90	CAD	786.23283
Town of Prescott	Prescott - Shoppers	2	164	455:30	905.97	CAD	2522.51055
Town of Prescott	Prescott - Town Hall	2	55	151:33	248.82	CAD	696.95403
Town of Prescott	Prescott -MARINA	2	26	42:08	84.14	CAD	246.58965

The total number of sessions to date in 2024 is 336 and the total revenue is \$1,636.96 since the \$2.00 per hour fee implementation on January 1, 2024.

The Clock Tower parking lot continues to be the most utilized EV Chargers with 164 sessions and 455 hours and revenue of \$905.97 at the end of May 2024.

Alternatives:

Council could decide to adjust the charging fee if they so desire.

Environmental Implications:

An EV vehicle owner in Ontario can reduce their vehicle’s greenhouse gas emissions by 67-95% by switching from a comparable compact, full-size or mid-size gasoline car to an electric vehicle. By choosing to drive an EV we are helping to reduce harmful air pollution from exhaust emissions.

Financial Implications:

Prorating the year-to-date revenue based on 5 months, the annual revenue from the chargers will be approximately \$4,250, the electrical costs will be \$2,300, and the cellular fee of \$1,650 for all 11 chargers, making it close to net zero revenue or a small surplus.

Attachments:

None



Submitted by:

Nathan Richard,
Director of Operations