	Report Title	Electric Vehicle Charging Stations
	Report No.	OPS 18-14
	Author	Kevin De Leebeeck, P.Eng. Director of Operations
	Meeting Type	Council Meeting
	Council Date	May 28, 2018
	Attachments	

RECOMMENDATION

THAT Council receive Report OPS 18-14 Electric Vehicle Charging Stations;

AND THAT Council authorize staff to proceed with the installation of an Electric Vehicle Charging Station in Municipal Parking Lot 7A and the Tillsonburg Community Centre.

AND THAT Council authorize the costs associated with these Electric Vehicle Charging Station installations be incorporated into the LED Streetlight Conversion Project budget.

BACKGROUND

One of the value added items from the LED streetlight conversion contractor included the supply of two Electric Vehicle (EV) charging stations for the Town to install in locations of their choosing. At the May 14th 2018 Council meeting, through report DCS 18-21, the Downtown Parking and Accessibility study findings and recommendations were presented where a number of items were suggested for implementation including EV charging stations in the downtown core.

SUMMARY

Through the parking demand surveys completed as part of the Downtown Parking and Accessibility study some off-street municipal parking lots were identified to operate near or at capacity and are considered prime locations for EV charging stations. In an attempt to spatially distribute the EV charging stations throughout the Downtown parking system the study recommended that the first two EV charging stations be located in Municipal Parking Lots 7A and 3B. These two parking lots are the largest in terms of capacity reducing the relative impact on parking operations and are located on opposite sides and ends of the Downtown.

The study further suggested that Municipal Parking Lot 4A and Broadway on-street parking immediately adjacent to the Town Centre Mall as also potential candidates. These locations support the spatial distribution of EV charging stations within the Downtown while also being located in areas that experience high parking demand.

In addition to the four EV charging station locations suggested by the Downtown Parking and Accessibility study staff have also considered placing EV charging stations at the Tillsonburg Community Centre and at the Customer Service Centre. Both locations also experience high parking demand and would provide high community exposure.

CONSULTATION/COMMUNICATION

Once EV charging station locations have been selected, staff will finalize public communication message on the Towns website and in the local newspaper.

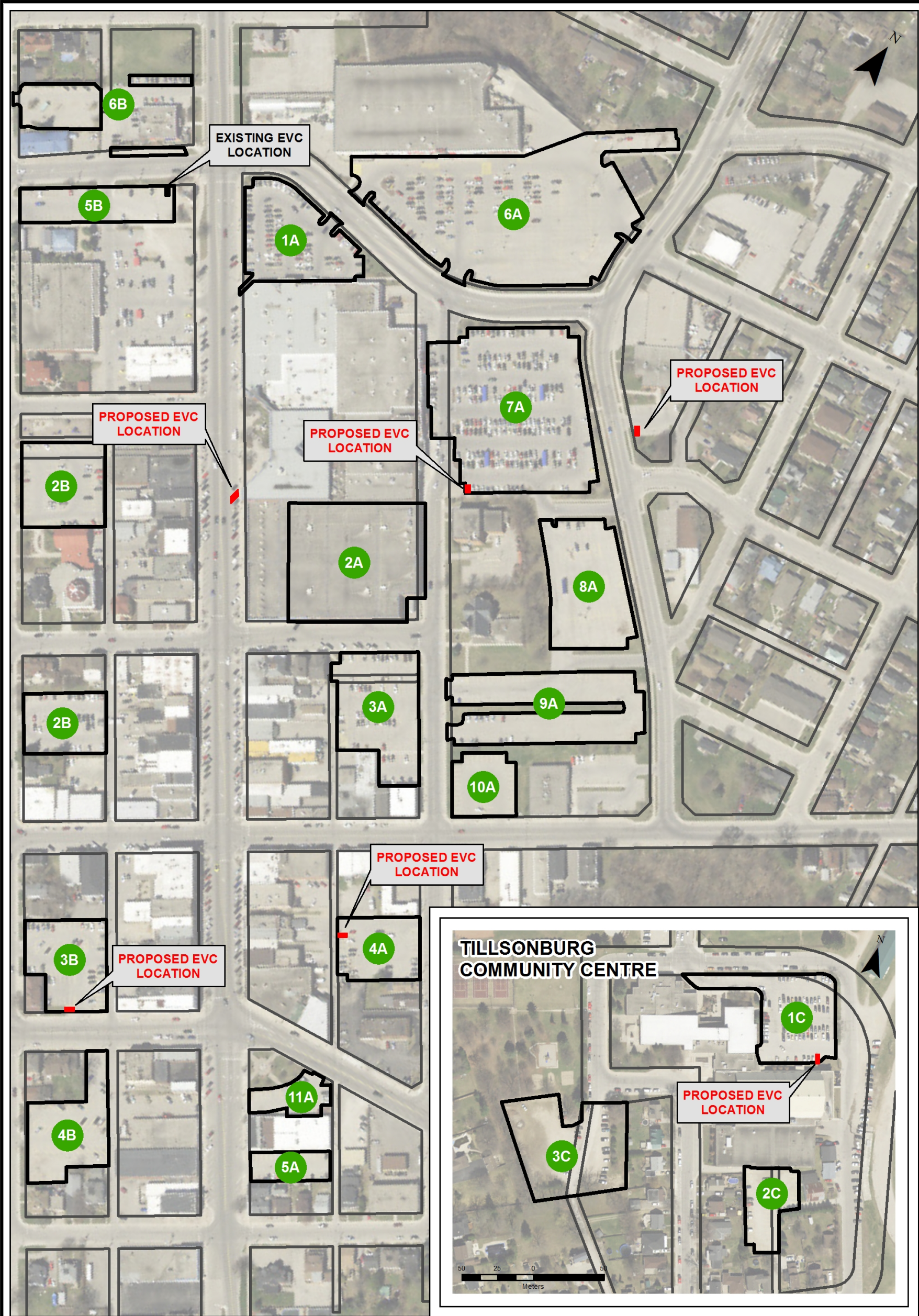
FINANCIAL IMPACT/FUNDING SOURCE

The estimated cost to install the EV charging stations at the various locations is summarized below. Staff are requesting that the installation costs associated with recommended Municipal Parking Lot 7A and Tillsonburg Community Centre locations be incorporated into the overall \$1.5 Million LED Streetlight Conversion project budget for 2018.

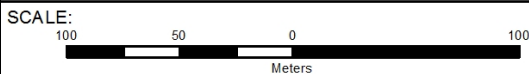
Location	Estimated Cost
Municipal Parking Lot 7A	\$6,400
Municipal Parking Lot 3B	\$7,800
Municipal Parking Lot 4A	\$6,400
On-Street adjacent to Town Centre Mall	\$27,700
Tillsonburg Community Centre	\$6,400
Customer Service Centre	\$9,600

COMMUNITY STRATEGIC PLAN (CSP)

The installation of Elective Vehicle charging stations supports Objective 1 – Excellence in Local Government and Objective 4 – Culture & Community through the promotion of environmentally sustainable living.



TOWN OF TILLSONBURG
 ENGINEERING SERVICES
 CUSTOMER SERVICE CENTRE
 10 LISGAR AVE, TILLSONBURG, ON, N4G 5A5



TITLE:

FIGURE 1: EVC STATION LOCATIONS