

### Section III – Items for the Information of the Board

**TO:** Chair and Members of the Board of Directors  
Meeting #6/20, Friday, September 25, 2020

**FROM:** Darryl Gray, Director, Education and Training

**RE:** **REPORT ON NATURAL RESOURCES CANADA GRANT FOR ELECTRIC  
VEHICLE CHARGING STATIONS (PEEL CLIMATE CHANGE PARTNERSHIP)**

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#### KEY ISSUE

To provide an update to Toronto and Region Conservation Authority's (TRCA) Board of Directors regarding the Peel Climate Change Partnership's recently secured funding from Natural Resources Canada (NRCan) for electric vehicle charging stations, in support of the Region of Peel's Zero Emissions Vehicle (ZEV) Strategy.

#### RECOMMENDATION

**WHEREAS at Authority Meeting #4/18, held on May 25, 2018, Resolution #A72/18, TRCA's Board of Directors approved, in principle, the Region of Peel Community Climate Change Partnership Plan;**

**AND WHEREAS at Board of Directors Meeting #3/20, held on April 24, 2020, Resolution #A33/20, TRCA's Board of Directors endorsed TRCA's continued participation in the Peel Climate Change Partnership ("Partnership") and the Partnership Terms of Reference Update;**

**AND WHEREAS the Partnership leverages resources and expertise from six Member Organizations - the Region of Peel, Town of Caledon, City of Brampton, City of Mississauga, Toronto and Region Conservation Authority and Credit Valley Conservation - to align and accelerate outcomes from climate change plans and collectively pursue strategic actions for greater results;**

**AND WHEREAS the Region of Peel, working with the Partnership Technical Implementation Team members, put forward a funding application to Natural Resources Canada's Zero Emission Vehicle Infrastructure Program on September 18, 2019, which was conditionally approved on December 20, 2019;**

**THEREFORE, LET IT BE RESOLVED THAT the following information report on the funding award by Natural Resources Canada be received.**

#### BACKGROUND

Since 2009, the Member Organizations of the Peel Climate Change Partnership have included the Region of Peel, City of Mississauga, City of Brampton, Town of Caledon, Credit Valley Conservation, and TRCA. Building upon the Region of Peel's Service Strategy Business Plan to address climate change adaptation and mitigation, the Region of Peel, together with the partners above, worked together to develop the Peel Climate Change Partnership ("the Partnership") in 2011. The Partnership built on ongoing and previous plans, policies and actions being undertaken by the six partners, intending to allow the scaling of practices within the region. Through the collaborative efforts of the Partnership, many of the priority actions outlined in the Region of Peel's Service Strategy Business Plan were implemented, including the

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development of a climate trends and futures report, cross sector community climate change vulnerability assessments, and a community greenhouse gas emissions inventory.

In 2017, the Partnership determined that a renewal of its original commitment was required to achieve greater collective impact over the next five years. The purpose of the Partnership is to identify those areas in which strategic collaboration will be most advantageous.

The Partnership recently completed an update of its Terms of Reference to refresh its mandate and purpose, confirm ongoing value to members, review scope of priority work, and increase accountability. The Partnership Terms of Reference review occurred over several months in 2019, as a collective undertaking, and guided by a Working Group of executive leaders across the Partnership. The updated Peel Climate Change Partnership Terms of Reference and Governance Structure were unanimously approved in principle by the Partnership's Steering Committee in December 2019 and received endorsement from the TRCA Board of Directors on April 24, 2020 (Meeting #3/20, Resolution #A33/20). The updated Terms of Reference lay out the three Partnership Strategies that are the focus of the Partnership's work. These include Green Natural Infrastructure, Flood Resiliency and Low Carbon Communities. One of the main outcomes of the Low Carbon Communities Strategy is the development of the Regional Zero Emissions Vehicle (ZEV) Strategy, the development of which is being co-led by Partners in Project Green staff at TRCA.

Global market trends are demonstrating exponential growth in electric vehicle adoption. In 2019, there were over 7 million passenger cars in operation globally, up from 5 million in 2018 (Source: International Energy Agency). Automakers have committed \$300-\$400 billion to make over 200 plug-in vehicle models available worldwide by 2023.

### **RATIONALE**

The Government of Canada has identified that electrification of the transportation sector is key to transitioning to a low-carbon future. Federal targets for zero-emission vehicles (ZEV) are 10% of light-duty vehicles (LDV) sales per year by 2025, 30% by 2030 and 100% by 2040. Through Budget 2019, the Federal Government has announced \$130 million over five years (2019-2024) to deploy a network of zero-emission vehicle charging and refueling stations in more localized areas where Canadians live, work and play. The Federal Government also provides an incentive of up to \$5,000 to purchase an electric vehicle in Canada.

On September 18, 2019, the Region of Peel (working with Partnership Technical Implementation Team members) put forward a funding application to Natural Resources Canada's Zero Emission Vehicle Infrastructure Program (ZEVIP). Working together, Member Organizations were able to surpass ZEVIP's 20-charger minimum eligibility threshold, a feat which could not have been accomplished by any individual organization. The proposal was conditionally accepted (with several minor amendments) on December 20, 2019.

The Region has recently executed funding contribution agreements with NRCan and each Partnership Member Organization to receive and distribute \$207,000 to support the installation of 43 electric vehicle charging stations across 11 Region, municipality, and conservation authority sites by December 31, 2021. Total estimated project costs excluding ZEVIP funding are \$511,000.

Partnership Member Organizations will install EV charging stations in the quantities and at the locations outlined below:

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Partnership Member Organization	Location	Number of Charging Connectors (Level 2)
Region of Peel	7120 Hurontario	2
City of Mississauga	Downtown Sheridan Parking Lot	6
	170 Church St.	6
City of Brampton	Cassie Campbell Recreation Centre	2
	Loafers Lake Recreation Centre	2
	Chinguacousy Wellness Centre	4
	Riverstone Community Centre	4
Town Caledon	New Southfields Community Centre	7
Toronto and Region Conservation Authority	Restoration Services Centre	2
	Boyd Field Centre	2
Credit Valley Conservation	CVC Administrative Office	6

On September 14, 2020, Brampton East MP Maninder Sidhu and other local dignitaries publicly announced the funding award and officially opened seven new electric vehicle charging stations at Southfields Community Centre in Caledon.

### **Relationship to Building the Living City, the TRCA 2013-2022 Strategic Plan**

This report supports the following strategies set forth in the TRCA 2013-2022 Strategic Plan:

**Strategy 1 – Green the Toronto region’s economy**

**Strategy 2 – Manage our regional water resources for current and future generations**

**Strategy 7 – Build partnerships and new business models**

**Strategy 8 – Gather and share the best sustainability knowledge**

**Strategy 12 – Facilitate a region-wide approach to sustainability**

### **FINANCIAL DETAILS**

The NRCan grant funding of \$207,000 will be distributed by the Region of Peel to each of the Member Organizations through separate Contribution Agreements. The Region of Peel and TRCA executed the Contribution Agreement on May 28, 2020.

The total TRCA project cost is estimated to be \$72,352, with \$20,000 coming from the NRCan funding award and the remainder being borne by TRCA Fleet Services under account code 70008. The majority of the NRCan funding will be provided during FY2021 (\$18,000), with the remainder (\$2,000) being disbursed during FY2022.

The proposed budget and eligible expenditures for TRCA’s work under this funding award are summarized below:

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ELIGIBLE EXPENDITURES	2020-2021	2021-2022	Total
Salaries and benefits	\$10,853	\$1,206	\$12,059
Capital expenses, including informatics and other equipment or infrastructure	\$54,264	\$6,029	\$60,293
<b>Total Eligible Expenditures</b>			<b>\$72,352</b>

### DETAILS OF WORK TO BE DONE

The timelines associated with TRCA's planned EV charging station installations are provided in the table below:

Project Identifier	Task 1 – Goods and Services Procurement	Task 2 – Final Design and Permit Acquisition	Task 3 – Construction	Task 4 – Inspection and full operation of the infrastructure	Task 5 – Open to the public, sales activities have begun.
TRCA-1	May 31, 2020	September 30, 2020	December 31, 2020	April 30, 2021	June 30, 2021
TRCA-2	May 31, 2020	September 30, 2020	December 31, 2020	April 30, 2021	June 30, 2021

The Partnership is working on achieving further efficiencies and cost reductions through project implementation. Joint procurement processes are being explored and a prequalified list of EV charging station vendors is being finalized. If successful, this list will be available for use collectively or individually by all Partnership Member Organizations for the next three years and will allow for expedited procurement processes for any future EV Charging Station installations.

In accordance with the terms of the Contribution Agreement, TRCA will provide seven (7) reports between 2020 and 2022; each report will include a financial summary, progress update, and related documentation. Within 20 days of project completion (current estimate: January 15, 2022), TRCA will issue a final financial report and a final technical report.

The Partnership has applied for additional funding as of June 2020 and is awaiting the results of NRCan's review of the proposal, which is planned for Fall 2020.

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