Agenda – Executive Policy Committee – November 5, 2019

REPORTS

Item No. 7 Natural Resources Canada Funding for Electric Charging Infrastructure

WINNIPEG PUBLIC SERVICE RECOMMENDATION:

1. That the submission of the Application for funding in the amount of up to $60,000.00 from NR Can for the implementation and/or continuation of the Zero Emissions Vehicle Infrastructure Program, as outlined in this report, be approved.

2. That, should the Application for funding be approved by Natural Resources Canada, and subject to confirmation of required funds from the applicable Departments, the City enter into, execute, and deliver a funding agreement with Natural Resources Canada, and such other agreements as determined necessary by the City Solicitor/Director of Legal Services to implement the intent of the foregoing (the "Ancillary Agreements").

3. That authority be delegated to the Chief Financial Officer to negotiate and approve the terms and conditions of the funding agreement and the Ancillary Agreements, in accordance with this report and such other terms and conditions deemed necessary by the City Solicitor/Director of Legal Services to protect the interests of the City.

4. That the proper officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

ADMINISTRATIVE REPORT

Title: Natural Resources Canada Funding for Electric Charging Infrastructure

Critical Path: Executive Policy Committee – Council

AUTHORIZATION

Author	Department Head	CFO	CAO
L. Mierau	M. Jack	P. Olafson, Interim CFO	M. Ruta, Interim CAO

EXECUTIVE SUMMARY

Through Natural Resources Canada's ("NR Can") Zero Emission Vehicle Infrastructure Program (the "Program") Request for Proposals for Public Places and On-Street Parking (the "RFP"), funding is available to increase the availability of local electric vehicle charging infrastructure in Canada, specifically those in public places and on streets. Public places are defined as parking areas intended for public use. Municipalities are well-positioned to meet the intent of the RFP through public places such as arenas, libraries, Park & Ride facilities, and other municipal facilities.

NR Can formally launched the RFP targeting public areas and on-street charging projects on June 20, 2019, and applications closed on Sept 18, 2019. The Office of Sustainability collaborated with City departments and external municipal partners to submit an application to the RFP (the "Application") that would see twelve Level 2 charging stations installed at four city locations. These locations include 1 library, 1 pool and 2 Park & Ride facilities along the Southwest Transitway (the "Project").

The RFP funding model, if the Application is accepted by NR Can, is based on a cost-share model of up to 50%, to a maximum of $5 million per project. There is a cap of $5,000 per Level 2 charging station and $15,000 or $50,000 per Level 3 station (20 kW and 50 kW respectively).

The Office of Sustainability is seeking a total of $60,000 from NR Can to support the Project. If approved, the City would contribute a matching $60,000, plus a 20% contingency, for a total of $72,000, which would be contributed from available budgets of the Transit Department ($48,000) and the Office of Sustainability ($24,000). Council approval is required to enter into the funding agreement with NR Can if the Application is accepted, and in order for the Application to be considered, NR Can has advised the Public Service that it requires a resolution from Council indicating support of the Project. If approved, both departments will confirm available budgets prior to entering into an agreement with NR Can.

Implementation of EV charging infrastructure supports Direction #3.6 (Increase the use of Electric Vehicles) of the Winnipeg Climate Action Plan (adopted by Council on September 20, 2018).

RECOMMENDATIONS

1. That the submission of the Application for funding in the amount of up to $60,000.00 from NR Can for the implementation and/or continuation of the Zero Emissions Vehicle Infrastructure Program, as outlined in this report, be approved.

2. That, should the Application for funding be approved by Natural Resources Canada, and subject to confirmation of required funds from the applicable Departments, the City enter into, execute, and deliver a funding agreement with Natural Resources Canada, and such other agreements as determined necessary by the City Solicitor/Director of Legal Services to implement the intent of the foregoing (the "Ancillary Agreements").

3. That authority be delegated to the Chief Financial Officer to negotiate and approve the terms and conditions of the funding agreement and the Ancillary Agreements, in accordance with this report and such other terms and conditions deemed necessary by the City Solicitor/Director of Legal Services to protect the interests of the City.

4. That the proper officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

REASON FOR THE REPORT

Council approval is required to submit an Application for, and enter into a funding agreement with, NR Can if the Application is accepted. Additionally, NR Can requires a resolution from Council in support of the Project in order to consider the Application.

IMPLICATIONS OF THE RECOMMENDATIONS

The City will also contribute up to $72,000 to the Project to be provided from available budgets of the Office of Sustainability and Winnipeg Transit. If funding is approved by NR Can, additional confirmation is still required in each department to confirm sufficient budget for the City costs will be available in 2020 when the work is expected to be undertaken. This confirmation will occur prior to any agreement being entered into with NR Can.

HISTORY/DISCUSSION

On September 20, 2018, Council adopted the Winnipeg Climate Action Plan. Direction #3.6 is to increase the use of electric vehicles (EV) and includes the short-term action of developing an Electric Vehicle Strategy and partnering with EVTEC to enhanced public education and information about EVs and charging infrastructure. As part of the Climate Action Plan, the City established greenhouse gas reduction targets of 20% by 2030, and 80% by 2050.

Emissions from the transportation sector account for half of Winnipeg's total GHGs, and enhancing access to charging infrastructure addresses a key barrier to wider EV adoption. Residential vehicle emissions are 32% of the total community-wide greenhouse gas emissions.

Through Natural Resources Canada's ("NR Can") Zero Emission Vehicle Infrastructure Program (the "Program") Request for Proposals for Public Places and On-Street Parking (the "RFP"), funding is available to increase the availability of local electric vehicle charging infrastructure in Canada, specifically those in public places and on streets. Public places are defined as parking areas intended for public use. Municipalities are well-positioned to meet the intent of the RFP through public places such as arenas, libraries, Park & Ride facilities, and other municipal facilities.

NR Can formally launched the RFP June 20, 2019 and applications closed on Sept 18, 2019.

The RFP funding model includes a minimum of 20 charging points of Level 2 or Level 3 (DC Fast Chargers) stations.

The Program is based on a cost-share model of up to 50% to a maximum of $5 million per project. There is a cap of $5,000 per Level 2 charging station and $15,000 or $50,000 per Level 3 station (20 kW and 50 kW respectively). If the Recommendations of this report and the Application are approved, the City would contribute a matching $60,000, plus a 20% contingency, for a total of $72,000, which would be contributed from available budgets of the Transit Department ($48,000) and the Office of Sustainability ($24,000).

The Office of Sustainability has collaborated with City departments and external municipal partners to propose an Application that would see twelve Level 2 charging stations installed at four city locations. These locations include 1 library, 1 pool and 2 Park & Ride facilities along the Southwest Transitway.

The Application included a total of twelve (12), Level 2 Electric Vehicle (EV) charging stations located at four sites in Winnipeg. The breakdown of these sites and the number of EV charging stations proposed for inclusion by the City of Winnipeg are as follows:

1. Seven Oaks Pool (444 Adsum Drive) - two (2), Level 2 EV charging stations
2. Bill and Helen Norrie Library (15 Poseidon Bay) – two (2), Level 2 EV charging stations
3. Southwest Transitway (Seel Station Park & Ride lot) - four (4), Level 2 EV charging stations
4. Southwest Transitway (Clarence Station Park & Ride lot) - four (4), Level 2 EV charging stations

In all, 8 municipalities/towns in southeast Manitoba collaborated on the Application and have committed to installing 31 Level 2 chargers in public areas, assuming the Application is successful. The RFP requirements include a minimum of 20 charging points of Level 2 or Level 3 (DC Fast Chargers) stations.

FINANCIAL IMPACT

Financial Impact Statement

Date: October 8, 2019

Project Name:

Natural Resources Canada Funding for Electric Charging Infrastructure

First Year of Program **2019**

	2019	2020	2021	2022	2023
Capital					
Capital Expenditures Required	$ -	$ 48,000	$ -	$ -	$ -
Less: Existing Budgeted Costs	-	48,000	-	-	-
Additional Capital Budget Required	$ -	$ -	$ -	$ -	$ -
Funding Sources:					
Debt - Internal	$ -	$ -	$ -	$ -	$ -
Debt - External	-	-	-	-	-
Grants (Enter Description Here)	-	-	-	-	-
Reserves, Equity, Surplus	-	-	-	-	-
Other - Enter Description Here	-	-	-	-	-
Total Funding	$ -	$ -	$ -	$ -	$ -
Total Additional Capital Budget Required	$ -				
Total Additional Debt Required	$ -				
Current Expenditures/Revenues					
Direct Costs	$ -	$ 84,000	$ -	$ -	$ -
Less: Incremental Revenue/Recovery	-	60,000	-	-	-
Net Cost/(Benefit)	$ -	$ 24,000	$ -	$ -	$ -
Less: Existing Budget Amounts	-	24,000	-	-	-
Net Budget Adjustment Required	$ -	$ -	$ -	$ -	$ -

Additional Comments:

1. Capital Expenditures as well as Direct costs above represent the cost of electric vehicle charging stations. It consists of 12 charging points of Level 2 to be installed at four city locations for a total estimated cost of $132,000.
2. The above incremental revenue reflects NR Canada share on the cost of electronic vehicle charging stations. This funding is subject to NR Canada's approval of funding application and the corresponding execution of the funding agreement between the City and NR Canada.
3. The City's cost-share will be funded by Winnipeg Transit ($48,000) and Office of Sustainability ($24,000). Funding sources from each department will need to be confirmed prior to entering into any agreement with NR Can. The Transit contribution is anticipated to be provided from a capital project, and the Office of Sustainability will be from the operating budget.

Original signed by T. Yanchishyn

Tanis Yanchishyn
Manager of Finance (Campus)
Corporate Finance Department

CONSULTATION

This Report has been prepared in consultation with:

- Winnipeg Transit
- Legal Services (as to legal issues)
- Community Services
- Planning, Property and Development
- Public Works

OURWINNIPEG POLICY ALIGNMENT

02-2 ENVIRONMENT

>Reduce the environmental impact of our activities, through strategies such as planning for sustainable energy use and greenhouse gas reduction.

WINNIPEG CLIMATE ACTION PLAN ALIGNMENT

This report is in accordance with the Winnipeg Climate Action Plan (WCAP) as per Direction 3.6 *Increase the Use of Electric Vehicles* (p. 40).

Relevant actions include: Develop an Electric Vehicle Strategy for Winnipeg. This is a short-term action (2018-2022) found on page 40 of the WCAP.

SUBMITTED BY

Department: Office of the Chief Administrative Officer
Division: Office of Sustainability
Prepared by: Lindsay Mierau
Date: October 15, 2019