

## LEGISLATIVE RETURN

SUBMITTED BY: **Pauline Frost, Minister of Environment**



1. On November 21, 2018, Wade Istchenko, Member for Kluane

asked the following oral question at page(s) \_\_\_\_\_ of *Hansard*

submitted the following written question – WQ No. 34

gave notice of the following motion for the production of papers – MPP No. \_\_\_\_\_

RE: Will the Yukon government please provide the following information regarding its electric vehicle charging stations:

- (1) the total capital cost of installing the charging stations;
- (2) total cost of electricity provided by these stations, broken down by year;
- (3) clarity regarding who pays for the electricity provided by these stations;
- (4) maintenance and repair costs to date for these stations;
- (5) estimated annual repair and maintenance costs for these stations;
- (6) estimated cost of electricity which will be provided by these stations during the 2018-19 fiscal year and the 2019-20 fiscal year; and
- (7) the policy regarding length of use by individual vehicles, and who may use these stations?

OR

2. This legislative return relates to a matter outstanding from discussion related to:

\_\_\_\_\_

on \_\_\_\_\_ at page(s) \_\_\_\_\_ of *Hansard*.

The response is as follows:

Thank you for your questions and interest in electric vehicles. In response to your specific questions, please see below.

- (1) the total capital cost of installing the charging stations;

The total capital costs of installing the charging station at the main administration building was \$2,000 and the cost of installing the other stations was approximately \$12,000 per station.

- (2) total cost of electricity provided by these stations, broken down by year;

The total cost of electricity provided by the charging stations is not currently tracked through its own meter. The charging station at the main administration building is estimated to use approximately 3,000 kWh per year. The charging station at the Yukon Transportation Museum has been wired into the main panel and they do not track the discrete power used by the charging station.

- (3) clarity regarding who pays for the electricity provided by these stations;

The total cost of electricity is covered in the lease agreement with the property owner. Yukon government pays for electricity at the main administration building and the Yukon Transportation Museum pays for its electricity. The stations are still in pilot phase and there is no regulatory instrument that will charge users at this time.

(4) maintenance and repair costs to date for these stations;

There have been no repairs required and no maintenance costs to date for these stations.

(5) estimated annual repair and maintenance costs for these stations;

The charging stations do not require regular maintenance, and there is no estimated annual repair and maintenance cost. Issues that arise would be addressed through existing budgets of the Department of Highways and Public Works.

(6) estimated cost of electricity which will be provided by these stations during the 2018-19 fiscal year and the 2019-20 fiscal year;

To date, the Yukon government is not aware of any more than five electric vehicles in Yukon. The estimated cost to Yukon government is \$0.40 to \$4.00 per day in power. At this time, there is no separate power meter or power draw recording device available to calculate the exact usage of charging stations.

(7) the policy regarding length of use by individual vehicles, and who may use these stations.

Currently, the electric vehicle charging stations are for public use. The charging station at the main administration building has a four-hour time limit. The transportation museum has reserved parking stalls for electric vehicles with a four-hour limit.

Mahsi,

Date

March 6, 2018

Signature

