

2022

Zero Emission Vehicle Sub Committee Report

SUB COMMITTEE OF THE TRANSPORTATION
ADVISORY COMMITTEE
CURTIS, RANDY



Committee Members

- Tony Ferguson
- Chris Massey
- Steve Lapp
- Mark Mills
- Randall Ross
- David Kuhnke
- Judy Smith

1. Summary

Based on the work that the committee performed over the last 8 weeks it has concluded that the best available option for implementation of a Zero emission vehicles (ZEV) strategy, is to pursue Battery Electric Vehicles (BEVs). This provides complete emission elimination and provides, in most cases, a positive payback over the life of the vehicles. It is also concluded that implementation in advance of the existing fleet being kept until end of life is not the best way to or the most economical method of implementing a zero-emission vehicle strategy because the resale values of partially capitalized vehicles would be a higher return to the town of Cobourg than waiting for end of life of the Internal Combustion Engines (ICE) vehicles.

Although there are some alternate technologies such as hydrogen and hybrid vehicles, none of these alternatives provide the same financial payback to the Town of Cobourg based on the analysis completed by the committee.

It is also evident that there are numerous alternatives to Internal Combustion Engine (ICE) vehicles for nontraditional applications such as heavy-duty trucks, street sweepers and tractors.

Recommendations

1. Join the Clean Air Council. <https://cleanairpartnership.org/cac/> The Clean Air Council's secretariat, the Clean Air Partnership has worked to provide information from experts in numerous seminars and in research reports for over 20 years. The cost to join is less than \$1,000/yr. The Clean Air Partnership is a wealth of knowledge for staff on all topics of municipal energy management and community sustainability. It has a high record of responding to the needs of individual municipalities upon request. The Clean Air Council is a forum for local Council members to inform upper levels of government of concerns on environmental and energy issues and finding funds for municipal pilot projects.

Recommendations Cont.

2. Begin a pilot project(referenced above) to start electrifying the Town of Cobourg fleet vehicles beginning with the vehicles most easily replaced such as passenger sedans, SUVs and pick up trucks.

Recommendations Cont.

3. Pursue all funding programs for BEVs and Charging options for municipal fleet electrification

Recommendations Cont.

4. Direct staff to develop an aggressive policy plan supported and led by the new procurement department to deploy BEVs across the Town's fleets

Recommendations Cont.

5. Place orders in advance for BEVs after detailed analysis is completed in order to have vehicles in the pipeline.

Questions