

**2023 Municipal Electric Vehicles & Equipment  
Questions & Answers**

At their July 26, 2023 meeting, the Community Sustainability Advisory Board reviewed the electric vehicle evaluation forms for planned 2024 municipal vehicle purchases and listed questions and suggestions for follow up, including:

Question or Suggestion	Answer
For trucks that cannot be electrified because they are vehicles for on-call staff that may require charging at a home, the Board suggested that electric vehicles typically have 250+ mile ranges and could be charged during the day to cover these trips without the need to charge at home.	This is perhaps a policy decision that may
The Board would like to see what other factors necessitated the purchase of the 3500 diesel pickup trucks.	One correction, these are gasoline powered trucks. The Lightning or Silverado EV is not available in the required cab and bed configurations. The crew cab long box trucks require a larger frame. the crew cab 6' bed is best suited to have a plow installed as the shorter wheelbase is going to be more suitable to plowing parking lots.
If choosing an electric version for the Cemetery pickup truck is prevented only by the lack of a charger, the sustainability budget can accommodate the purchase and installation for that vehicle.	The Cemetery truck is used for Plowing. None of the EV pickups on the market offer an 8' bed or a regular cab option.
Suggestions for edits to the evaluation forms including adding electric and hybrid options for all vehicles, even if they are not suitable or chosen which would demonstrate a thoughtful evaluation rather than simply omitting this information. Some items may need to be reconsidered for usefulness, including the annual petroleum consumption in barrels.	Thank you for the suggestion. Staff will look to include all potential options, even if the selected vehicle does not choose them.
The Board would like to see information for the incomplete items, including the life cycle cost for carbon, and a total price to include the retail price plus the carbon cost and the missing forms for three remaining heavy-duty vehicles. If there is no available data, the Board would like to see some approximation estimates for costs including anticipated maintenance, oil changes for 10 years.	Staff is looking into sources of this information, which isn't always available for every type of vehicle. As we further refine the evaluation forms, we'll be able to add information where possible.
For pickup trucks that require a plow attachment, the Board suggests additional detail if there are concerns with adding attachments to electric versions and whether the compared vehicles do or does not have a history of performance with these attachments.	Thank you and yes, staff will note these concerns as applicable.
The Board is interested in reviewing scheduled replacements for 2025, 2026, to plan ahead for potential manufacturing delivery delays.	Staff will look into assembling information about fleet vehicles and their respective replacement years.

<p>The Board asked for the main vehicle inventory spreadsheet be provided and updated annually, including the list of combustion engine equipment.</p>	<p>The inventory of vehicles and equipment is now updated and published for 2023. (September 2023)</p>
<p>Please provide the methodology and sources behind the calculations and look specifically at the calculations for the hybrid alternatives, which should be clarified (PHEV vs non-plugin hybrids) and their fuel consumption estimates which vary widely depending on how much battery can be used.</p>	<p>Staff will work on citing the methodologies and sources on each of the evaluation forms.</p>