

EV BATTERY RECOVERY GUIDE FOR MUNICIPALITIES

The purpose of this summary is to provide guidance for Municipalities if an Electric Vehicle (EV) Battery arrives at their facility or if anyone inquires about dropping off an EV battery at one of their waste transfer or collection sites. Due to the potential risk EV batteries can pose if they have been mishandled, are damaged, or have been tampered with, municipalities may want to develop a policy/procedure that screens batteries before they are allowed on site and establish an appropriate storage location that meets all local requirements. If Municipalities permit the drop off of EV batteries, they should gather certain information, be aware of safety guidelines for handling and storage, and understand how to initiate an EV battery pick-up request. For municipalities electing not to accept EV batteries, they can encourage the battery owner to contact the program directly via the webpage.

Part 1 – Data Collection

The [EV Battery Recovery](#) program is the first of its kind program in North America and is funded by participating vehicle manufacturers for the collection of eligible EV batteries. The program is offered to auto dismantlers and recyclers, auto shredders, independent vehicle garages, vehicle dealerships, fleet operators, or anyone else in possession of an eligible EV battery in Quebec (refer to website for definition of an [eligible battery](#) and program requirements). Municipalities have been some of the first to reach out to access the program. Basic information is required when accessing the program to ensure safe collection and transportation. Municipalities should **record the following information when receiving an EV battery**:

- 1) Battery condition: Is the battery Damaged-Defective (DD) or End-of-Life (EOL)? This will need to be known to have the battery collected.
 - a. DD battery characteristics include dents, punctures, cracks, water damage, corrosion on terminals, broken terminals, loose wiring or signs of tampering. If the battery has signs of being DD, special precautions may need to be taken. The [Electric Vehicle Battery Safe Handling and Storage guidance document](#) provides a summary introduction of what municipalities might need to take into consideration.
- 2) Vehicle make and model for the EV Battery – to identify the appropriate service provider.
- 3) Battery chemistry (Lithium-ion or Nickel Metal Hydride).
- 4) Battery dimensions and weight (important if vehicle make/model is not known).
- 5) Who is dropping off the battery and why.

For more details, refer to the [Battery Identification](#) page on the [EV Battery Recovery](#) site.

Part 2 – Safety Guidelines

EV Batteries should be handled and stored with appropriate safety measures. Municipalities will need to conduct their own due diligence and understand local requirements. The following resources are provided only as guidance. [Electric Vehicle Battery Safe Handling and Storage](#) may provide helpful information related to battery identification, safety, thermal runaway, and the role of government agencies. It also includes links to several relevant regulations and standards for those seeking additional information on the topic. In addition, Canada EV Battery Shipping Guidelines should be reviewed [here](#).

Part 3 – Initiate a Pick-up Request

If a municipality is in possession of an eligible EV Battery (see [website](#) for definition) collection can be requested by following these steps:

- **Step 1:** Visit the [EV Battery Recovery](#) website.
- **Step 2:** Determine if the [EV battery is eligible](#) based on the 5 qualifying criteria.
- **Step 3:** [Inspect the battery](#) to determine key characteristics identified in Part 1 above.
- **Step 4:** Locate the vehicle brand, click on the [service provider page](#) and initiate a pick-up.



- If the EV Battery is from a program-affiliated manufacturer and eligible under the [EV Battery Recovery program rules](#), the battery will be collected and processed free of charge including the provision of approved TDG packing material.
 - **Note:** Costs for collecting and managing ineligible batteries may not be covered by participating manufacturers however, municipalities can request a quote through this process if desired.
- Should you have any questions or for more details, please contact info@evbatteryrecovery.ca.