

CORPORATE BATTERY MANAGEMENT PROGRAM ELECTRIC VEHICLE, HIGH WATT HOUR, AND LOW WATT HOUR BATTERIES

Ascend Elements®, in partnership with Call2Recycle, can help your business navigate the electric vehicle (EV) battery collection and recycling process. Corporate programs offer some customization for the business depending on if batteries are handled decentralized at each site or aggregated centrally. We offer a set of products and services for end-of-life, damaged-defective, and thermal event batteries including packaging materials, hazmat shipper certification, battery collection, transportation, and recycling.

BATTERIES ACCEPTED FOR COLLECTION AND RECYCLING WITHIN THIS PROGRAM

- A** Electric vehicle (EV) battery packs and modules of lithium or nickel-metal hydride chemistries.
- B** High watt hour consumer, professional, and industrial rechargeable lithium-ion batteries (> 300 Wh)
- C** Low watt hour consumer, professional, and automotive rechargeable lithium-ion batteries (< 300 Wh)
- D** Low watt hour consumer single use lithium batteries (AA, AAA, 9V, coin cells all < 300 Wh)



These batteries may be sourced* from the following:

Battery electric vehicles	Electric aircraft	e-Bikes
Plug-in hybrid vehicles	Stationary energy storage units	e-Scooters
Hybrid vehicles	Outdoor power equipment	Hoverboards
Electric buses		Power tools

* Batteries must be removed from the vehicle, energy storage unit, or device they came within.

Packaging requirements for shipping used batteries



High watt hour damaged, defective, or recalled lithium-ion Packing Group 1 (PG1) steel drum options with fire retardant for use with electric vehicle (EV) modules



Pallet for optional use when the end-of-life EV battery has a hard outer shell on all sides



PG1 multiple reuse wood container for damaged-defective EV batteries



PG1 multiple reuse steel container lined with fire retardant for severely compromised damaged or defective EV batteries

Fire retardant materials available for purchase as part of this program



Loose fill fire suppressant

- ▶ Displaces oxygen, absorbs energy & suffocates the fire, creating an impervious silicate shell around the fire
- ▶ Used for battery handling, storage and shipment



Module or small battery solution

- ▶ Fire suppression pillow for modules and small batteries
- ▶ 6' x 6' fire containment blanket for modules and small batteries

US DOT REGULATIONS FOR SHIPPING LITHIUM BATTERIES

Shipping of lithium batteries is governed by the US DOT under regulation 49 CFR 173.185. This program operates in compliance with those regulations directly or via special permit. See the guidelines below for more information.

[EV Battery Regulatory Guidelines](#)

[EV Battery Shipping Guidelines](#)

[EV Battery Safety Guidelines](#)

Please contact David Monk at Ascend Elements to learn more.

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Hours of operation: 7:00am - 4:00pm