THE LEAD BATTERY SUPPLY CHAIN: RELIABLE, DOMESTIC SOURCING FOR ENERGY STORAGE

Our country’s security, safety and economy rely on the ability to meet the increasing demand for batteries and energy storage. North America’s lead battery industry is a proven supplier. It has a vast domestic circular infrastructure that can withstand the world’s greatest crises – trade disruptions, raw material shortages, natural disasters and global pandemics.

Robust, Ready to Scale Infrastructure

Lead batteries have an existing manufacturing, collection and recycling footprint. This robust, closed-loop supply chain ensures feedback for lead batteries remains available and protected from global disruptions. Unlike lithium batteries, they are not reliant on imported critical materials or specialty metals.

- 14+ Recycling Facilities, 10 in the U.S.
- 30,000+ Retail Distribution & Collection Sites
- >206 GW·h Manufacturing Capacity, 95% GW·h in the U.S.
- 50 Manufacturing Facilities, 19 in the U.S.
- 50% Research Projects Innovating Next-Gen Lead Battery Technology

A Secure Supply Chain Powers Our Essential Industries

Utilities & Renewable Energy
National Security & Defense
Medical & Public Safety
Transportation & Logistics
Grid Resiliency
Communication Networks & Data Centers

A Circular Infrastructure Provides Reliable, Domestic Material Sourcing

100% Recyclable Components
A lead battery’s three main components are infinitely recyclable.

+83% Market Fulfillment
The amount of lead demand met by North American lead battery recyclers.

+160M Recycled Annually
The number of lead batteries kept from landfills in the U.S.

99% Recycling Rate
Compared to lithium-ion at <12%. Economic value and easy collection ensure continuous, high-quality inputs for new lead batteries.

Recycled Material:
- 80% Typical composition of a new lead battery
- 12% Lead
- 12% Plastic
- 6% Envelopes (evident)

Supporting Critical Infrastructure and National Security

Approximately 90% of North American lead battery demand is met by North American manufacturers.

Learn more at BatteryCouncil.org