

America's Domestic Battery Supply Chain



Geopolitical events can cause disruptions to U.S. businesses and supply chains. That instability poses a substantial risk to our national security, manufacturing infrastructure, and economic prosperity. The domestic battery industry is well-positioned with a vast and established network of homegrown U.S. battery manufacturers and recyclers to minimize those risks, reduce foreign dependence on critical raw materials, and support homeland security.

Support American-Made

A strong future for America depends on a strong domestic battery industry, with support in Congress and at the White House for these critical domestic manufacturers. Some of North America's battery companies have operated in the U.S. for over 125 years. Supporting them helps secure:

- + **A reliable supply** of American-made batteries.
- + **Critical infrastructure** for manufacturing supply chains.
- + **A solution** to our nation's soaring energy demands.

Protect Domestic Production

The North American battery industry has a vigorous network to manufacture, collect and recycle lead batteries. Thanks to an impressive 99% recycling rate, domestic battery companies have independently built a circular economy free from dependence on overseas materials.

Today, many of these innovative companies have expanded into other chemistries, like lithium-ion and flow batteries. Supporting this multi-chemistry matrix and learning from the circular economy of lead batteries will ensure consistent, onshore battery fulfillment that minimizes reliance on foreign resources.

Batteries Are Critical for National Security and Diverse Applications

Homeland security depends on the defense of our borders, but also the protection of American infrastructure and communications networks. A strong domestic supply chain for batteries is necessary to keep power available 24-7 for diverse critical applications:

- + Military and Defense
- + Aerospace
- + Data Centers and Financial Systems
- + Communication Networks
- + Transportation
- + Medical Centers and Hospitals
- + Logistics, Material Handling and Warehousing
- + Utilities, Industrial Power and Residential Power
- + Agriculture

Robust, Scalable Lead Battery Infrastructure



Domestic Circularity Strengthens Supply Chain Security

Reliance on foreign battery suppliers increases our country's vulnerability. Lead batteries model how to bypass this domestic supply chain risk with a highly successful, closed-loop, circular economy. The batteries are collected after use directly by these same manufacturers and a nationwide network of collection centers, and then spent batteries are sent to recyclers to be turned into new energy storage solutions. This ensures raw materials are available to produce new lead batteries domestically.

These same manufacturers and recyclers are working to create similar circular models domestically for other battery technologies. With support, they can move closer to lead batteries' successful closed loop that features **100% recyclable components** including the lead as well as the plastic casing and electrolyte solution, and **100% continual reuse**, as the lead from lead batteries is infinitely recyclable.

Mineral Sourcing Without Foreign Dependency

Different battery technologies require various raw materials, but lead battery manufacturing predominantly relies on a single, infinitely recyclable material: lead. Over 85% of lead demand is fulfilled by North American lead battery recyclers, ensuring a sustainable and domestic supply chain.



BATTERY COUNCIL INTERNATIONAL Recently celebrating its 100th anniversary, BCI was formed in 1924 and joins together battery manufacturers and recyclers, marketers and retailers, suppliers of raw materials and equipment, and battery distributors from across North America and around the world. BCI members are committed to responsible manufacturing and recycling processes, and serve as a unified voice for environmental, health and safety stewardship.

Learn more at BatteryCouncil.org

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