

Industry Safety



Keeping employees, communities and products safe is paramount to the U.S. battery industry. Today's domestically manufactured batteries offer a safer, more reliable and trusted energy storage solution for diverse applications. The venerable lead battery industry demonstrates how newer battery chemistries can achieve safe, sustainable recycling.

Putting Employee Safety First

The U.S. battery industry puts employee health and safety first. For nearly 30 years, Battery Council International (BCI) has partnered with its members to make voluntary investments in safety programs, worker training, equipment upgrades and rulemaking.

- ⊕ The domestic battery industry **meets or exceeds federal and state requirements**, including OSHA standards.
- ⊕ Manufacturers and recyclers use **cutting-edge air filtration systems** to ensure safe facilities.
- ⊕ Since 1997, BCI members have voluntarily implemented the world's premier program for employee occupational health lead management, **surpassing OSHA requirements**.
- ⊕ The U.S. lead battery industry is globally recognized by governments, NGOs, and peer industries for its **strong record on worker health and safety**.



The environmental control system pictured cost the facility more than \$25 million in 2008, creating significant benefits to the region by lowering emissions levels well below federal or state requirements.

“The road to safer and more sustainable battery lifecycles has already been paved by the nation's most recycled product: The stalwart lead battery.”

— Roger Miksad, President of BCI



BCI supports labeling initiatives to facilitate safer battery recycling to protect workers, the environment, and valuable recycling infrastructure. BCI believes the U.S. should adopt a **consistent labeling standard for all battery chemistries** that builds on the successful model of lead battery collection networks.

The lead battery industry has a legacy of:

- + Designing for efficient recycling
- + Clear labeling
- + Safe collection, processing and shipping networks
- + Well-defined and practical state and federal regulations



Protecting Communities & Domestic Supply Chains

The U.S. battery industry protects communities, the environment and domestic supply chains. Leveraging a 99% recycling rate, the U.S. lead battery industry exemplifies how a circular economy can provide a steady stream of recycled materials for creating new batteries and provides a model of sustainability and safety for other chemistries.

- + While lead battery production utilizes 93% of all lead in the U.S., the industry's investments in environmental stewardship mean that it accounts for **less than 1%** of total lead air emissions nationwide.
- + Lead batteries are the most recycled product globally, **keeping over 160 million lead batteries** from U.S. landfills annually.
- + The battery industry supports global materials stewardship programs to ensure that **emerging markets meet the same rigorous standards** for material sourcing, manufacturing and recycling.
- + BCI supports consistent and strong environmental and safety requirements for new technology battery manufacturing and recycling facilities.

Safely Enabling Diverse Applications

For decades, batteries have safely powered essential industries Including:

- + **Specialized transportation & automotive:** Batteries help transport Americans via public transportation 34 million times each weekday.
- + **Mobility & power sports:** Batteries power off-road ATVs and watercraft and provide critical mobility for those who rely on wheelchairs or motorized scooters.
- + **Industrial logistics:** More than two-thirds of all forklifts use some kind of battery power, reducing carbon emissions and improving air quality.
- + **Telecom, data centers & critical systems:** During power outages or variations, batteries seamlessly provide backup power for essential systems and infrastructure.
- + **Power grid & energy storage:** Domestic battery storage enables excess wind and solar energy to be stored and released as power during peak demand, helping to protect the grid.

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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