CIRCULAR ECONOMY OF LEAD BATTERIES

The lead battery industry, with its established circular infrastructure, is a model for other battery chemistries in how to responsibly source, use, reuse and manage materials.

**Step 1: Manufacturing**
A new lead battery is typically comprised of over 80% recycled material.

**Step 2: Use**
Lead from lead batteries can be infinitely recycled with no loss of performance.

The world entrusts 70% of its rechargeable energy storage needs to lead.

**Step 3: Collection**
Worldwide, lead batteries are used in virtually every hybrid and electric vehicle.

Modern, closed-loop recycling in the U.S. keeps more than 130 million lead batteries from landfills each year.

**Step 4: Recycling**
Lead batteries have a 99% recycling rate, the highest of any consumer product in the U.S.

**Step 5: Sourcing & Materials Efficiency**
Lead batteries have been recycled for more than 100 years.

Lead batteries rank among the top five consumer product categories in sustainability.

Lead battery life has increased by 30-35% in the last 20 years.

Learn more at EssentialEnergyEveryday.com

Visit EssentialEnergyEveryday.com to view source information.

01.01.2023 Digital

powered by lead batteries

"Lead batteries close the loop more effectively than any other product in the consumer goods space. We'd like to leverage the lessons of this industry to help others reach the same type of performance for their end-of-life products.

Dr. Carole Mars
The Sustainability Consortium"