



# Recycling America's Advanced Battery Supply

H.R. 8232, 116<sup>th</sup> Congress

Sponsors: Rep. Paul Tonko (D-NY), Rep. John Curtis (R-UT)

*"Our dream of a clean energy future will depend on significant investment in our nation's battery recycling industry."*

❖ Paul Tonko

## Our Nation Depends on Advanced Battery Technologies

- The price of lithium-ion batteries has fallen 86% in the last decade, and this steep trend is expected to continue
- Advances in energy storage and market growth have also **increased demand for critical minerals** including lithium, cobalt, nickel, and others.
  - EXAMPLE: Global lithium demand is expected to grow 10% per year for the next decade.
- Today, many foreign sources of lithium, cobalt, and nickel often involve environmentally harmful practices and unsafe labor conditions; recycling presents a domestic alternative that can support environmental stewardship, community and worker safety, and U.S. jobs.

## Recycling + Reclaiming = A Safer & More Competitive U.S.

- Lithium-ion batteries cause massive landfill fires when improperly disposed
- Many U.S. competitors around the world have outpaced us in reclaiming these valuable minerals
  - In Europe, more than 60% of the lithium in the economy is recovered through recycling. In China, Japan, and Korea, the percentage is even higher.
  - Today, **only 5% of lithium-ion batteries are recycled in the United States**. For comparison, the U.S. recycles 97% of traditional lead-acid batteries
- Encouraging recycling of lithium-ion batteries adds to our domestic supply of these critical minerals, and makes it safer and easier to dispose of batteries at the end of their usable lives

## Congress Can Jump-Start U.S. Advanced Battery Recycling!

### H.R. 8232: the BATTERY Act

- Stands for **Bolster American Technology Through Expanding Recycling Yield (BATTERY)**
- Establishes a research, development & demonstration program at the Department of Energy for recycling critical minerals in batteries; authorizes \$22 million annually through Fiscal Year 2025.
  - Improves collection, sorting, separation, transportation, & storage of used batteries
- Directs investments towards understanding and resolving the non-technical barriers to widespread adoption of lithium-ion battery recycling in the United States

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