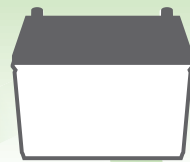


THE LEAD RECYCLING PROCESS

TRANSPORTATION



The same network that distributes new batteries also safely collects and returns used batteries for recycling.



At the recycling facility, used batteries are broken apart and separated into components to begin the recycling process



PLASTIC

Plastic pellets recycled from battery cases and covers are used to manufacture new cases and covers.

Crush the case and covers



Plastic pellets



NEW COVERS AND CASES

New battery covers and cases are manufactured using recycled plastic pellets.

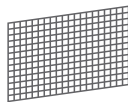
New cases and covers



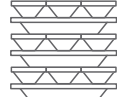
LEAD

Lead ingots recycled from battery grids, other battery parts (e.g., posts and terminals) and lead oxide are used to manufacture lead for new grids, parts, and lead oxide.

Melt grids



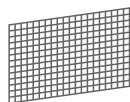
Lead ingots



NEW GRIDS AND LEAD OXIDE

New battery grids are manufactured from recycled lead. Recovered lead oxide is also used in new battery manufacturing.

New grids



Lead oxide



ELECTROLYTE: OPTION 1

Sodium sulfate crystals separated from used electrolyte (dilute sulfuric acid) are recycled and sold for use in textiles, glass and detergent manufacturing.

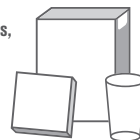
Neutralize electrolyte



Sodium sulfate crystals



Glass, textiles, detergent



ELECTROLYTE: OPTION 2

At some recyclers, used electrolyte is reclaimed and reused in manufacturing new batteries. At others, it is neutralized and managed according to federal and state water permits.



OR

Electrolyte is neutralized and sent to a water treatment plant.

Electrolyte is chemically treated and reused.



RECYCLING