

LITHIUM-ION BATTERY RECYCLING PRIZE



U.S. DEPARTMENT OF ENERGY

Team Name:	
Primary Submitter Name:	Battery Resourcers
City and State:	Worcester, MA
Member Names (including partners and affiliates):	Spiers New Technologies
Submission Title:	Logistics Model to Optimize Battery Value and Logistic Costs
Submission Track:	Reverse Logistics

A Public Document



Concept

- BRs-SNT goal is to minimize the total cost of battery ownership by maximizing the batteries value
- By partnering BRs-SNT are eliminating the logistics cost to ship batteries after testing for remanufacturing and repurposing to recycling

Approach

- BRs-SNT will develop a hub and spoke approach for a distributed network to reduce logistics costs
- A business plan with economic model will be built to determine the optimal location of the BRs-SNT spokes. Followed by the first BRs-SNT spoke.

Potential Impact

- By partnering BRs-SNT are eliminating the logistics cost to get batteries to the recycler after testing
- The combined hub and spoke model will drastically reduce logistic costs to get batteries to SNT for battery testing/re-manufacturing and then logistics cost for recycling