

LITHIUM-ION BATTERY RECYCLING PRIZE



U.S. DEPARTMENT OF ENERGY

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Submission Title:	Creating Impact for Lithium-Ion Battery Collection
Submission Track:	Track 1: Collection

A Public Document



Concept

- Implement Lithium-Ion Battery Collection Programs at Universities so that collection models can be tested and scaled for adoption other Universities and similar organizations so volume-based contracts with certified Lithium-Ion Battery Recyclers in the US can be reached and revenue can be generated that will ensure the sustainability of this program.

Approach

- Pilot 6 Nationwide programs at Universities that will test battery collection models and hold awareness events in order to increase the capture rate.
- Assemble Student Ambassador Programs that will implement signage, measure impact, and hold awareness events.
- Social Media Awareness Campaign for Lithium Ion Safety, Usage, and proper disposal practices
- Test Models used at Universities on similar markets for Lithium Ion Battery Collection such as Electric Vehicle Collection, K-12 Education Awareness, Corporate Collection, etc.

Potential Impact

- Raising awareness on pathways to Lithium Ion Battery recycling
- Ability for this program to reach multiple Universities in all 50 states of the US
- Create partnerships for revenue generation and volume contracts for certified recycling partnerships
- Curriculum shared and taught in Higher Ed and K-12
- Ability for collection models to be used in similar organizations or industries to increase Lithium Ion Battery collection