

LITHIUM-ION BATTERY RECYCLING PRIZE



U.S. DEPARTMENT OF ENERGY

Team Name: One Habitat Technologies - The AERbin

A Public Document

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Submission Title: The AERbin

Submission Track: Other - (Collection , Sorting, Reverse Logistics and Temporary Storage)

Abstract:

After interviewing 14 people about why they don't recycle electronic devices and batteries I learned that taking e-waste to a recycler is a hassle that they do not, quote " have time for " .

Upon researching waste management practices throughout the world the most effective sorting and recovery systems leverage incentive programs that reward or penalize the consumers. Milan, Italy is an excellent example of incentivized waste sorting. (1)

The cost analysis of door to door collection shows that the infrastructure expense in addition to the constantly evolving battery technologies will make it to expensive to perform and market door to door collection alone.

(1) <https://resource.co/article/setting-trend-milans-recycling-success-12837>

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