

LITHIUM-ION BATTERY RECYCLING PRIZE



U.S. DEPARTMENT OF ENERGY

Team Name: Renewance

A Public Document

Primary Submitter: Jamal Burki

City and State: Chicago, Illinois

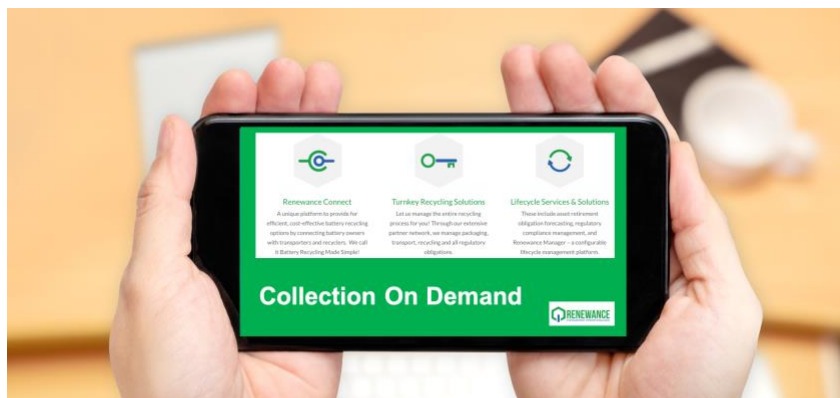
Member Names: Jamal Burki, David Mauer

Submission Title: Collection On-demand

Submission Track: Track 1 - Collection

Abstract: (<100 Words)

Similar to Uber's and Lyft's ride-share business model, an on-demand collection app will drive higher collection and recycling rates by improving access to and utilization of existing infrastructure through providing waste battery owners easy access to service providers that have available collection and recycling capacity. A cloud-based battery repository enables recycling tracking and provides valuable battery attributes data to recycling service providers, which enables efficiency gains through volume aggregation and optimizes recycling location to minimize risk and cost. The model allows seamless integration of technologies that can make waste batteries inert and new recycling technologies.



Lithium-Ion Battery Recycling Prize

Supported by the U.S. Department of Energy Vehicle Technologies Office and Advanced Manufacturing Office;
Administered by the National Renewable Energy Laboratory