LITHIUM-ION BATTERY RECYCLING PRIZE

U.S. DEPARTMENT OF ENERGY

Team Name: Smartville

A Public Document

Primary Submitter: Mike Ferry

City and State: San Diego, California

Member Names: University of California, San Diego

Submission Title: Smartville Distributed Battery Conditioning HUB

Submission Track: Track 4, Reverse Logistics

Smartville proposes to address the challenge of reverse logistics in battery recycling by developing distributed battery conditioning "HUBs," or Heterogenous Unifying Battery facilities, to both reduce transportation costs and create additional value in the reverse logistics supply chain. A distributed system of HUB facilities will enable economically-viable aggregation, sorting, and distribution of used batteries from diverse locations before being processed and transported to more centralized recycling locations, resulting in optimization of transport and supply-chain logistics and helping to achieve a 90% or greater recycling rate.

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

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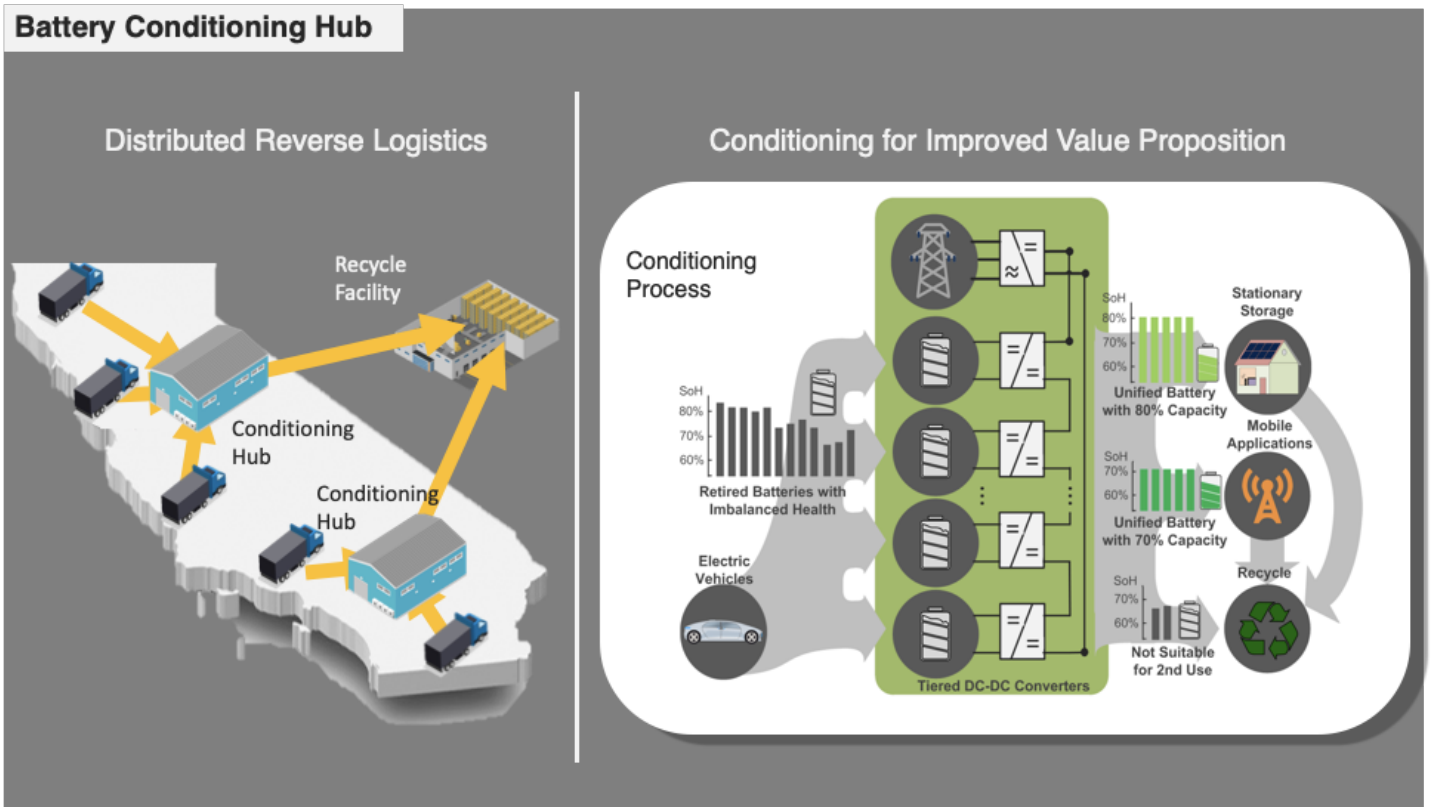

Lithium-Ion Battery Recycling Prize

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