

# LITHIUM-ION BATTERY RECYCLING PRIZE



U.S. DEPARTMENT OF ENERGY

**Team Name:** Powering the Future

A Public Document

**Primary Submitter:** Hiroko Kawai

**City and State:** Glendale, Wisconsin

**Member Names:** Trish Haudricourt, Scott Morehouse, Adam Muellerweiss, Craig Rigby, Perry Wyatt

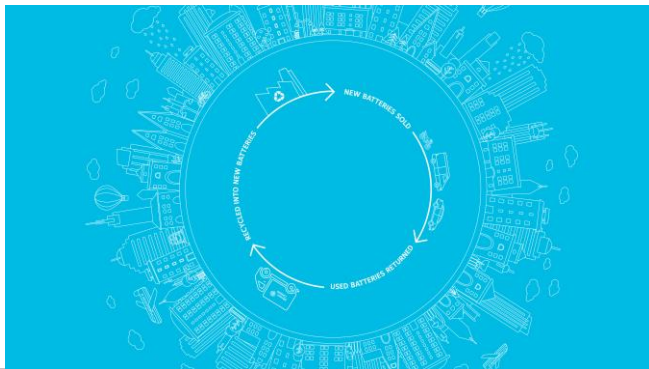
**Submission Title:** "Banking today's materials to power tomorrow's future"

**Submission Track:** Track 1 Collection Transportation Sector

**Abstract:** (<100 Word)

Clarios as battery producer will be the infrastructure to the industry, with an established collection network. We will collaborate with logistics partners, will develop methods to discharge, and with recyclers, will identify technology to sort lithium-ion from lead-acid in line at lead-acid recycling facilities. By working with material science innovators, will develop identification methods to receive all types, extracting strategically critical materials to feed back to new battery production. By inspiring private-public partnerships to complete the journey for Li-ion batteries, will seek to effectively create 'stock pile' locations for these critical minerals until volumes and technologies can support effective lithium recoveries and reuse the materials.

Optional Images



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