

# Summary - For Prepare! App. - Shorepower DCFC-BEST

Our challenge project is developing a DCFC EV charging system using a modular transportable container unit with Battery Energy Storage Transportable (DCFC-BEST) technology. The BEST units will be powered by repurposed used EV batteries, diverting them from the waste stream.

- ★ Bench testing for DCFC-BEST prototype has begun, using used Tesla EV battery components
- ★ Analysis from Argonne National Lab is helping the team gain insights into the supply chain, advance our innovation, and quantify environmental and economic impacts (TEA/ LCA).
- ★ Oakland Community College participation - job shadowing/ tours, and interns are now working at Shorepower's Ferndale Michigan R&D facility
- ★ Industry LCA for the electric vehicle used battery supply chain shows strong continued growth.
- ★ Community partners are gaining interest, and more project sites have been identified
- ★ Market trends for used EV battery availability are predictable and encouraging

