Building a circular supply chain to power a sustainable world
MASS ELECTRIFICATION DEMANDS MORE BATTERIES

Lithium-ion battery demand growth by transit type in the US from 2015 to 2030, estimate in gigawatt hours

+500% growth in 10 years

Source: Bloomberg New Energy Finance
COMPONENTS OF AN EV BATTERY

ANODE
CHARGING PERFORMANCE
REDWOOD COPPER FOIL

SEPARATOR + ELECTROLYTE

CATHODE
COST & RANGE
REDWOOD CAM
REDWOOD FOCUSES ON CRITICAL CELL COMPONENTS

**CELL COST BREAKDOWN**

- **CATHODE**
  - CATHODE ACTIVE MATERIAL (CAM) 90.8%
  - COLLECTOR & BINDER 8%
- **ANODE**
  - CATHODE 54.3%
  - OPERATING EXPENSES 15.2%
  - OTHER CELL ASSEMBLY COSTS 8.7%
  - CAPITAL EXPENDITURES 12.4%
  - COPPER FOIL 21.2%
  - GRAPHITE 70.2%
- **OTHER CELL ASSEMBLY COSTS** 8.7%

REDWOOD RECYCLES, REFINES, AND REMANUFACTURES COPPER FOIL AND CATHODE ACTIVE MATERIAL