

Focus Area 3

Reuse & Recycling

Carol Handwerker (Purdue), Lead
Dan Ginosar (INL), Deputy

Energy Storage Systems

Tedd Lister, INL

Li, Co & PGM Recovery from Li-ion Batteries & E-waste;
T. Lister, INL (3.1.11)

Li-ion Battery Disassembly, Remanufacturing, and Li & Co Recovery;
T. McIntyre, ORNL (3.1.12)

Enabling & Optimizing Co-Production

David Reed, INL

Ce Gettering of Cu & Fe in Aluminum Alloy Recycling;
R. Ott, Ames (3.2.11)

Co-product Optimization for Indium Recycling from LCDs;
P. Taylor, Mines (3.2.12)

Biomaterials for Critical Material Dissolution, Recovery & Separation;
D. Reed, INL (3.2.13)

Electric Machines

Ikenna Nlebedim, Ames

Rare Earth Permanent Magnet Motors from Salvaged Automobiles;
T. McIntyre, ORNL (3.3.11)

Low Temperature Electrochemical Processing of Rare Earth Elements;
D. Baek, INL (3.3.12)

Recovery of Critical Materials from Dilute Electronic Waste Streams;
I. Nlebedim, Ames (3.3.13)

Separation and Recovery of Dysprosium and Cobalt from E-Waste;
R. Bhave, INL (3.3.14)