Focus Area 3

Improving Reuse & Recycling

Lead: Eric Peterson, INL
Deputy: Ed Jones, LLNL

Source Preparation (Separation & Concentration)

T. McIntyre, ORNL

- Beneficiation of Photovoltaic (and other) Functional Coatings; *P. Taylor, CSM* (3.1.4)
- Transforming Reuse and Recycling of RE Magnets; *T. McIntyre, ORNL* (3.1.5)

Transformative Extraction & Materials Production

B. Fox, INL

- Supercritical Fluid Beneficiation of Waste Streams; *B. Fox, INL* (3.2.1)
- Membrane Solvent Extraction for RE Separations; *R. Bhave, ORNL* (3.2.2)
- Bioleaching for Recovery of Recycled REE; *D. Reed, INL* (3.2.5)
- Recovery of Critical Materials from Consumer Devices; *T. Lister, INL* (3.2.6)
- Beta-Diketonoate Complexes; *J. Klaehn, INL* (3.2.7)
- Inexpensive Room Temperature Ionic Liquid (RTIL) for Electrochemical Production of High Purity Rare Earth Metals; *D. Baek, INL* (3.2.8)
- Recycling Research Parthership – Critical Metals Recovery from Electronic Scrap; *D. Ginosar, INL* (3.2.9)

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