Appalachian Rural E-Scrap Recovery
Submission Summary

Our grant proposal focuses on addressing the critical need for e-scrap recovery in Central Appalachia, a region underserved by existing recycling infrastructure. By implementing a decentralized model that leverages community connections, mobile collection events, and repair workshops, we aim to increase the recovery of critical materials from electronic waste. This initiative will reduce illegal dumping, minimize carbon emissions, and enhance access to recycling services in remote areas. Our program targets rural communities, often excluded from national recycling efforts, and aims to build a sustainable value chain by connecting collected e-scrap to certified recyclers, like Accurate IT. Additionally, we will integrate refrigerant recovery to further mitigate environmental impacts. The project will improve environmental justice and demonstrate the economic viability of rural material recovery. National lab involvement will optimize logistics, critical material extraction, and data collection to support this innovation.