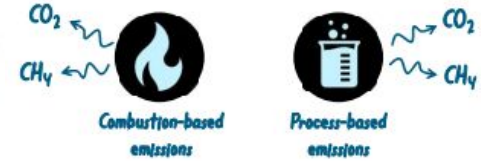


# Tech-Recycle, LLC



**The Problem**

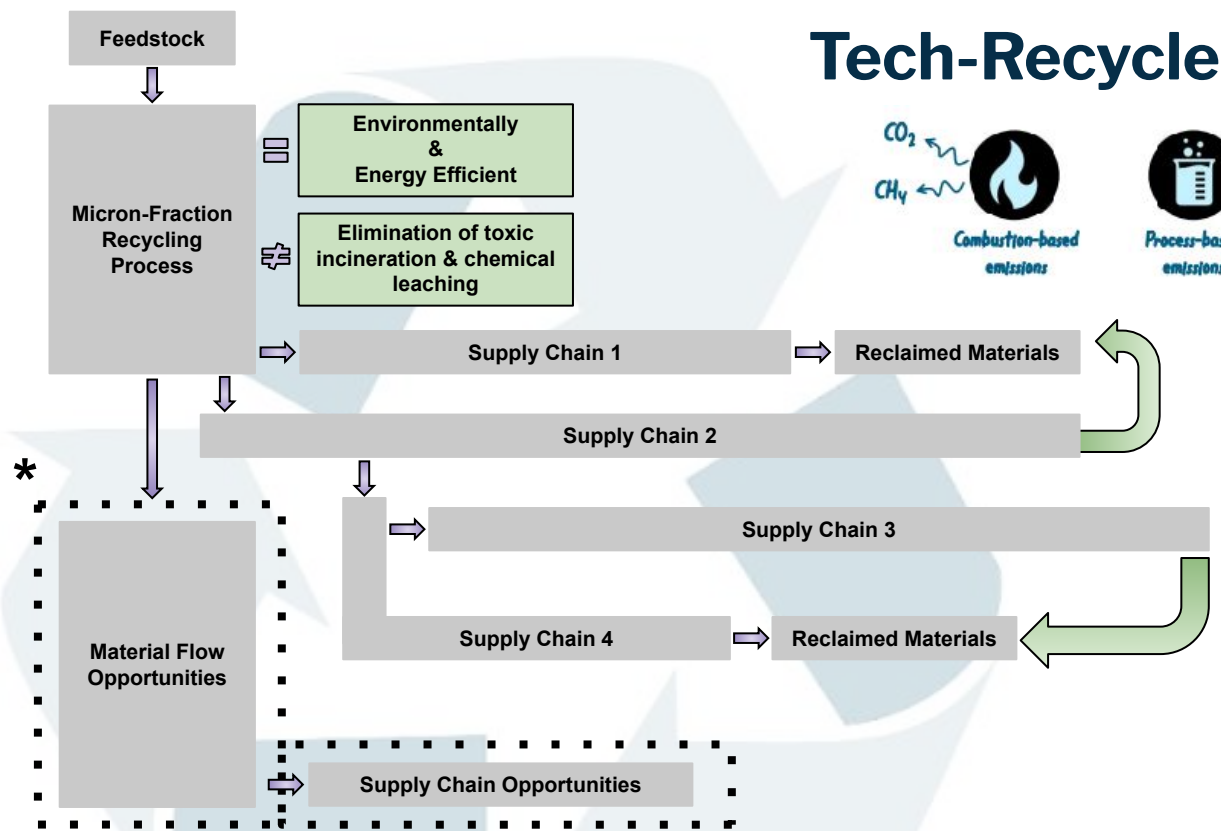
The Material Reclamation processes current implemented at an Industrial scale Nationwide utilize a combination of incineration and chemical leaching leading to lost opportunity in critical material reclamation such as those identified by the DOE as the **Electric 18**.

**The Solution**

Environmentally and Energy Efficient process that implements a Micron-Fractioning analytical separation approach to improve the overall yield rates of recoverable critical materials from e-Scrap.

**The Innovation Impact**

- Manufacturers - Higher Reclamation yields and purities lowering the need for Raw Material Mining.
- Recyclers/Refiners - Environmentally and Energy efficient process lowers the total embodied energy and emission while resulting in a cost savings.
- Consumers - Positive Global Environmental effects and sustainable goods.



\*

**\*Process flow is subject to change based on output results generated through National Lab supported assessments.**

**Partnership**

Development supported in partnership with Mecca Innovation and Technology.