

Team BTU - Biomass & Timber Utilization

Utility Grid Options and Climate Smart Manufacturing



The primary focus of this endeavor is to manufacture cross arms and dead ends for electrical utility poles from waste biomass. We intend to apply an innovative wood processing system incorporating a multimodal approach of partnered harvesting and downstream recirculatory processing in a Climate Smart manner utilizing passive and solar drying.

Our secondary downstream focus will involve manufacturing of high demand products such as pallets to augment the utilization of biomass waste. The economic opportunities while serving as a driver in the sequestration of CO₂ is another aspect of our processing cycle.

An exciting aspect of this project is the sharing of information, job training capabilities and curricular opportunities. Our team also consists of teachers from the fields of Career and Tech Ed., Earth and Environmental Sciences, STEM and Web-based education administration. Our goal is to initially develop mini training lessons that will lead to curriculum in the fields of environmental and soil health, recycling and reutilization, and other educational items built around rural and disadvantaged communities.

