



Biomass Utilization Campus



A BUC converts logging residues that would otherwise be burned as slash into products that create jobs and revenue.

A biomass utilization campus (BUC) is a facility that processes logging byproducts and non-timber woody material. This includes tree tops, slash and small or damaged wood.

A BUC concept builds off of the traditional timber mill model, but instead of depending on a single tree source or end market, different businesses use the same location to create multiple products while sharing costs to purchase, haul and sort biomass.

The ideal BUC serves a 100-mile diameter area using abandoned rural lumber mill sites to process biomass and move it to end markets. BUCs simultaneously provide jobs for conversion operators (loggers, truckers, mill workers), and offer biomass products (manufactured products, biochar and energy) to local end-users.

Another major benefit of biomass processing is that it helps to reduce hazardous fuels and wildfire risk and creates markets for forest restoration byproducts.

Traditional BUC Products

**MITIGATE WILDFIRE RISK
IMPROVE FOREST HEALTH
CREATE RURAL JOBS**



The SWFC steering committee visited Integrated Biomass Resources, located in Wallowa, OR in 2019 to learn about the benefits of biomass utilization.

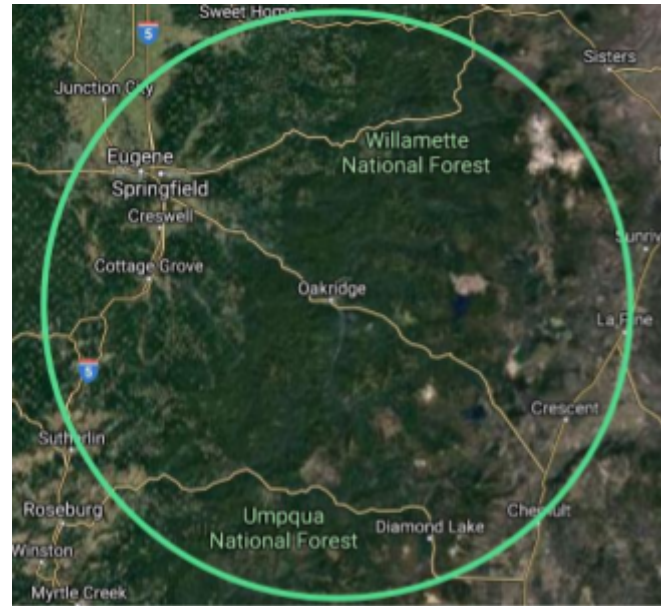
- Firewood
- Posts and poles
- Woodstraw
- Wood pellets
- Wood chips
- Building materials

Higher-Processing BUC Products

- Biochar - added to soil to increase agricultural production
- Chemicals - e.g., ethanol, plastics components
- Energy - heat, power, or both

Why Oakridge?

- The Oakridge Industrial Park (OIP) is an ideal site for a BUC.
- Oakridge is located in proximity to end markets including population centers in California, Oregon, and Washington, and the I-5 corridor.
- Source wood is within 50 miles of the OIP. Current forestry practices burn biomass as slash.
- Increase capacity to reduce hazardous fuels.
- Job creation.



The green circle represents a 100 mile service range from the Oakridge Industrial Park BUC

Local and Regional Support



With additional support from

- Business Oregon
- South Valley/Mid Coast Regional Solutions
- Oregon RAIN