

Debarking Waste

DESCRIPTION

When preparing logs for pulping or solid wood products, the bark is removed from the trees. Bark has higher moisture content than most other wood wastes. It is commonly chipped and used for on-site cogeneration.¹

CLASSIFICATION

Lignocellulosic biomass

SOURCE INDUSTRY

Logging. See the [Pulp & Paper](#) or [Solid Wood Products](#) industry roadmaps.

ANNUAL VOLUME GENERATED IN WISCONSIN

340 lbs/ton lumber²

CURRENT APPLICATIONS

Combustion for co-generation, mulch

PRICE

Many pulp and paper mills use bark, which has a heating value of 4,347 Btu/lb³, for co-generation.

APPLICABLE BIOREFINING PROCESSES

[Biomass gasification](#), [combustion](#), [fast pyrolysis](#), [fermentation of lignocellulosic biomass](#), [lipid extraction](#), [thermochemical liquefaction](#)

REFERENCES

¹ Nilsson, Lars J., et al. 1996. Energy Efficiency and the Pulp and Paper Industry. ACEEE. <http://www.aceee.org/pubs/ie962.htm> (26 April 2004).

² Brown, Harry L., et al. 1996. Energy Analysis of 108 Industrial Processes. The Fairmont Press, Lilburn, GA.

³ Richards, Galens. 2004. Biomass Utilization in Main Stream Power Systems. Alstom. <http://www-acerc.byu.edu/News/Conference/2004/Biomass%20Workshop%20Presentations/Galen%20Richards.pdf> (27 April 2004).