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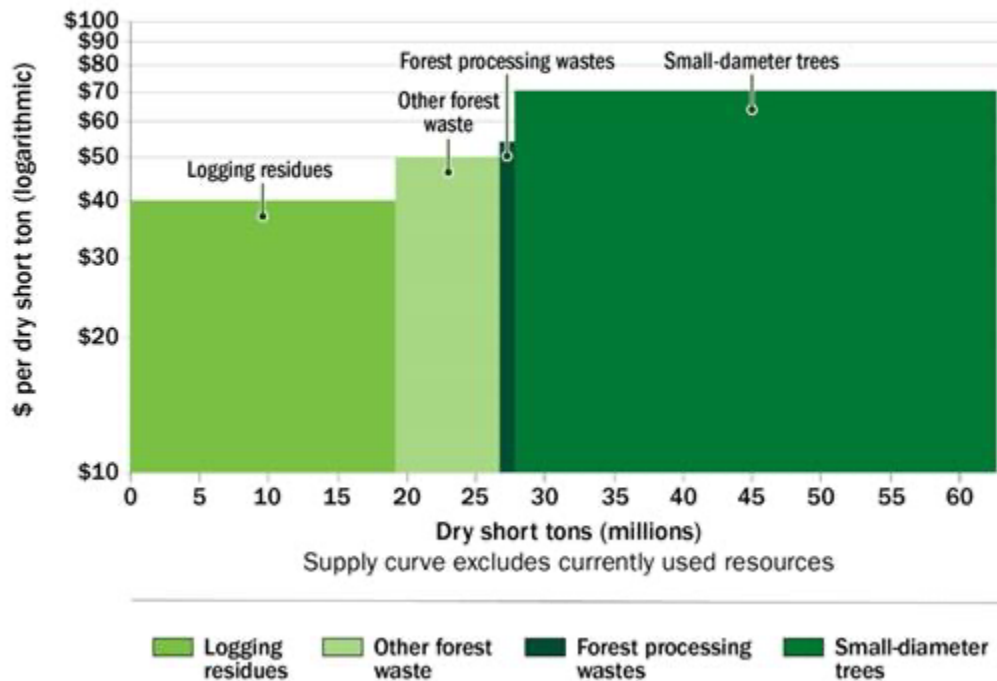
The Billion-Ton Report's 2023 updated analysis of biomass from the forested land base is now available at:

https://www.energy.gov/sites/default/files/2024-03/beto-2023-billion-ton-report_4-forestry.pdf and the data can be downloaded directly through the BT23 data portal at <https://bioenergykdf.ornl.gov/bt23-forestry-download>.

A brief summary:

Economic availability (assumed roadside or “stumpage” prices) in BT23, chapter 4 shows: A near-term biomass potential of 30.3 million dry tons was found in this updated analysis, with shadow prices for logging residues calculated at up to \$40.1 per dry ton, and small-diameter trees calculated at up to \$58.5 per dry ton. Further, this analysis showed mature-market biomass availability, defined as after 10 years and before 2050, of 62.7 million dry tons per year, with 34.9 million dry tons from small-diameter trees and 19.2 million dry tons from logging residues.

Figure 4.1. National resources from forested lands, mature-market medium scenario at a shadow price of up to \$40 per dry ton for logging residues and up to \$70.1 per dry ton for small-diameter trees





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These modeled potential supplies are 18.8 million tons less than BT16 CONUS modeled potential of 81.5 million dry tons per year (see BT16 Table 3.7: baseline, 2040 at \$60 per dry ton), because the small-diameter trees have been reported at price (i.e., with profit) rather than at cost.

For more information please see the updated [analysis](#) and the entire BT23 [report](#). The interactive [landing page](#) for the report gives high level summaries and the [data portal](#) provides easy to use visualizations of the data.

Suggested citation for the forested land base specifically:

Davis, M., L. Lambert, R. Jacobson, D. Rossi, C. Brandeis, J. Fried, B. English, et al. 2024. "Chapter 4: Biomass from the Forested Land Base." In 2023 Billion-Ton Report. M. H. Langholtz (Lead). Oak Ridge, TN: Oak Ridge National Laboratory. doi: 10.23720/BT2023/2316170.

For the entire report please use:

U.S. Department of Energy. 2024. 2023 Billion-Ton Report: An Assessment of U.S. Renewable Carbon Resources. M. H. Langholtz (Lead). Oak Ridge, TN: Oak Ridge National Laboratory. ORNL/SPR-2024/3103. doi: 10.23720/BT2023/2316165.

Other information on this report release can be found at:

<https://www.ornl.gov/news/sustainable-biomass-production-capacity-could-triple-us-bioeconomy-report-finds>

<https://www.energy.gov/articles/doe-releases-report-outlining-how-america-can-sustainably-produce-more-one-billion-tons>

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