

4 Fast Facts About BIOMASS

U.S. DEPARTMENT OF
ENERGY | Office of ENERGY EFFICIENCY
& RENEWABLE ENERGY
BIOENERGY TECHNOLOGIES OFFICE

1

Versatility

Biomass can be used to produce renewable fuels, power, and everyday products like plastic.



2

Value for Wastes

There is significant potential to turn wastes such as plant material left over after harvest, sewage sludge, and the organic portion of garbage into bioenergy. Diverting these resources to produce energy and products provides value for otherwise problematic waste streams.



3

Economic Impact

Biobased activities have already generated more than \$48 billion in revenue and 285,000 jobs. Estimates show that continuing to develop biomass resources could expand these impacts.¹



4

Abundant

By 2030, the U.S. has the potential to sustainably produce 1 billion tons of biomass annually—that's enough to fill a 16-foot flatbed truck stacked roughly up to the moon!²



¹ J. N. Rogers, B. Stokes, J. Dunn, H. Cai, M. Wu, Z. Hao, and H. Saunders, "An Assessment of the Potential Products and Economic and Environmental Impacts Resulting from a Billion Ton Bioeconomy," *Biofuels, Bioproducts, and Biorefining* 11, no. 3 (2017): 110–128, doi:10.1002/bbb.1728.

² U.S. Department of Energy, 2026 Billion-Ton Report: Advancing Domestic Resources for a Thriving Bioeconomy, Volume 1: Economic Availability of Feedstocks, M. H. Langholtz, B. J. Stokes, and L. M. Eaton-Larodi; Oak Ridge, TN: Oak Ridge National Laboratory, 2026, ORNL/TM-2026/260, <http://renenergy.gov/eere/bioenergy/2026-billion-ton-report>.

Biomass Utilization

Marco Cascella



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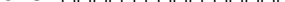
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