



## Press Release

# In 2024, solid biomass energy consumption in the European Union continued to move back towards its long-term trend

EurObserv'ER releases **SOLID BIOFUELS BAROMETER 2025**

Free Download: <https://www.eurobserv-er.org/solid-biofuels-barometer-2025/>

Paris, January 2026

### Key figures for EU-27 in 2024

94.8 Mtoe : **gross inland consumption** of solid biofuels in the EU27 in 2024 (95.4 Mtoe in 2023)

77.3 Mtoe : **heat consumption** from solid biofuels in the EU27 in 2024 (78.1 Mtoe in 2023)

78.1 TWh : **electricity production** from solid biofuels in the EU27 in 2024 (78.9 TWh in 2023)

### Solid biomass across all uses shows signs of stabilization

In 2024, primary energy consumption from solid biomass in the European Union stood at 94.8 Mtoe, a decrease of 0.6% compared with 2023. This decline, far more moderate than those observed in 2022 and 2023, confirms that consumption is gradually returning to pre-pandemic levels after the severe disruptions caused by the energy crisis and the exceptional peak of 104.8 Mtoe recorded in 2021. Exceptionally mild weather, which significantly reduced heating demand across Europe, together with the easing of energy market tensions following the sharp rise in gas and wood pellet prices at the end of 2022, also contributed to the downturn in solid biomass energy consumption in 2024.

Electricity generation from solid biomass appears to have entered a phase of near stabilisation, reaching 78.1 TWh in 2024, a year-on-year decline limited to just 0.9%, after a much steeper fall between 2022 and 2023. National trends remain highly uneven. Germany, with 10.1 TWh, remains the EU's leading producer despite a slight contraction, while Sweden and Finland recorded substantial declines of 13.8% and 8.3% respectively. By contrast, output increased sharply in France (+11.8%), Denmark (+17.3%) and Italy (+20.4%), driven by the restart of facilities or the ramp-up of capacity at several biomass power plants.

Total solid biomass heat consumption, including both heat produced by the energy transformation sector and heat directly used by final consumers, is expected to reach around 77.3 Mtoe in 2024, representing a moderate decrease of 1% compared with the 78.1 Mtoe recorded in 2023.

The next barometer will cover wind power



## LINKS and FREE DOWNLOADS

- **ANNUAL REPORT:** “The State of renewable energies in Europe”, 23rd edition, <https://www.eurobserv-er.org/category/all-annual-overview-barometers/>
- **DATABASE:** <https://www.eurobserv-er.org/online-database>
- **GRAPHS:** <https://www.eurobserv-er.org/press-corner-graphs-and-tables>
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For further information, please contact  
Frédéric TUILLÉ  
Observ'ER  
20 ter rue Massue  
94300 Vincennes / France  
Tel: +33 (0) 1 44 18 00 80  
E-mail: [frederic.tuille@energies-renouvelables.org](mailto:frederic.tuille@energies-renouvelables.org)

### About EurObserv'ER

EurObserv'ER barometers are regular publications for the European media, providing up-to-date insights and data on renewable energy developments—covering solar, wind, hydro, geothermal, and biomass—both in Europe and worldwide. All barometers are freely available on the project's website

### Note

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