

SDG Goal 7	Affordable and clean energy
SDG Target 7.2	By 2030, increase substantially the share of renewable energy in the global energy mix
SDG Indicator 7.2.1	Renewable energy share in the total final energy consumption
Time series	Renewable energy in final energy consumption

1. General information on the time series

- Date of national metadata: 16 September 2024
- National data: <http://sdg-indicators.de/7-2-1/>
- Definition: The time series measures the total energy produced by renewable sources as a share in total final energy consumption. Renewable sources include solar, wind, ocean, hydropower, geothermal resources, bioenergy and renewable waste.
- Disaggregation: Not available.

2. Comparability with the UN metadata

- Date of UN metadata: March 2024
- UN metadata: <https://unstats.un.org/sdgs/metadata/files/Metadata-07-02-01.pdf>
- The time series is compliant with the UN metadata.

3. Data description

- The data is calculated on the basis of data from the Working Group on Renewable Energy-Statistics (AGEE-Stat) and the Working Group on Energy Balances (AGEB), which compiles the annual German energy balance.

4. Access to data source

- AG Energiebilanzen: Evaluation Tables on the Energy Balance: <https://ag-energiebilanzen.de/en/data-and-facts/evaluation-tables-on-the-energy-balance/>
- Time series on the development of renewable energies in Germany (only available in German): <https://www.umweltbundesamt.de/dokument/zeitreihen-zur-entwicklung-der-erneuerbaren>

5. Metadata on source data

- Not available.

6. Timeliness and frequency

- Timeliness: t + 2 months
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage
- Calculation:

$$\text{Renewable energy in final energy consumption} = \frac{\sum_i \text{Final energy consumption } i \text{ [PJ]}}{\text{Total final energy consumption [PJ]}} \cdot 100[\%]$$

with $i = \{\text{Renewable energy (except electricity); District heating from renewable energy; Electricity from renewable energy}\}$