

10 July 2025

Dear

ATISN 24897 Electricity supply South Wales

Information requested

Thank you for your request which I received on 08/07/25. You asked for a breakdown of what percentage of the electricity used on average across South Wales is from renewable sources/ fossil fuels, possibly on a monthly or annual basis.

Our response

The information you requested is enclosed.

Wales generated approximately 7.8 TWh from renewables and 15.4 TWh from fossil fuels in 2023. Most fossil fuel electricity generation in Wales is from fossil gas, particularly from two large plants at Pembroke and Connah's Quay. Total electricity generation from fossil fuels decreased from over 21 TWh in 2022 to 15.4 TWh in 2023, largely due to a reduced output from these two major power plants. This decrease brings fossil fuel generation close to the lowest levels in the last two decades. As a result of falling fossil gas generation, renewable electricity generation now makes up 34% of all electricity generated in Wales, up from 27% in 2022. Although total renewable electricity capacity increased in 2023, total generation reduced from 7.9 TWh to 7.8 TWh. This was due to small changes in average annual load factors, particularly for onshore wind. Approximately, 68% of Welsh renewable electricity generation is from onshore and offshore wind, with much of the remainder from solar PV and biomass electricity generation.

I enclose the report, which provides the source of our information.

[Energy generation in Wales: 2023 | GOV.WALES](#)

Please note this report breaks the statistics down into local authority area and specific technologies rather than North and South Wales.

Next steps

If you are dissatisfied with the Welsh Government's handling of your request, you can ask for an internal review within 40 working days of the date of this response. Requests for an internal review should be addressed to the Welsh Government's Freedom of Information Officer at:

Information Rights Unit,
Welsh Government,
Cathays Park,
Cardiff,
CF10 3NQ

or Email: Freedom.ofinformation@gov.wales

Please remember to quote the ATISN reference number above.

You also have the right to complain to the Information Commissioner. The Information Commissioner can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF.

However, please note that the Commissioner will not normally investigate a complaint until it has been through our own internal review process.

Yours sincerely