

Nearly half of Wales' electricity came from renewable sources in 2017

Last year the equivalent of 48% of the country's electricity, a rise from 43% in 2016, came from renewable sources as the country edges towards ambitious targets for clean energy by 2030.

The Energy Generation in Wales 2017 report showed that Wales generated more than twice what it consumed in electricity last year, making Wales a significant exporter of electricity to England, Ireland and the wider European network.

The report, published ahead of a debate in plenary today (Tuesday, 20 November), also showed that:

- 22% of electricity generated was from renewable sources, up from 18% in 2016
- There are more than 67,000 renewable energy projects in Wales with a combined capacity of almost 3,700 MW. 84% of this capacity is renewable electricity, 16% is renewable heat capacity
- Approximately 66% of renewable electricity generated in Wales comes from wind
- Wales produces approximately 2.1 TWh of useable renewable heat, equivalent to 10.5% of Welsh domestic heat demand
- There are over 63,000 locally owned renewable energy projects, with a total capacity of 750 MW. This is a 30% increase in capacity from 2016
- Wales now has 529MW of renewable electricity capacity in local ownership, against a target of 1 GW by 2030

In September last year, the Cabinet Secretary for Energy, Planning and Rural Affairs Lesley Griffiths announced she wanted Wales to generate 70 per cent of its electricity consumption from renewable sources by 2030. The Cabinet Secretary also set an ambitious target for 1GW of locally owned renewable electricity, and an expectation that all new renewable energy projects should have at least an element of local ownership by 2020.

The Welsh Government is supporting a number of projects through our Welsh Government Energy Service to in a bid to drive more locally owned energy developments. For example, Gower Regeneration's 1 MW solar farm at Duvant is Wales' first community owned solar farm, whilst the Garreg Llwyd Hill wind farm in Radnorshire can provide electricity for the equivalent of approximately 26,000 homes and provides a significant community benefit fund.

Cabinet Secretary Lesley Griffiths said:

"I am delighted that Wales is continuing to towards our ambitious renewable energy targets and this report shows the impressive progress over the last year.

“With nearly half of our electricity consumption coming from renewable sources, as well as us being over half of the way to meeting our target for renewable electricity capacity in local ownership, we are seeing the huge steps made by the sector.

“As a government we are committed to accelerating the transition of our energy system in Wales, particularly through the increased use of renewable energy. Our priorities are to increase energy efficiency, reduce our reliance on energy generated from fossil fuels and to actively manage the transition to a low carbon economy to benefit Wales.”