The Scottish energy statistics hub is a ‘one-stop shop’ for all Scottish energy data. It will be updated as new data is available.

Scottish Energy Statistics Hub: https://scotland.shinyapps.io/sg-energy


Corrections:
The renewable electricity target was corrected to 97.4% from 93.2% on 25/03/2021.

Revisions:
Change in energy productivity relative to the baseline was revised to 3.2% from 3.9%.

Key Points:
- Provisional figures indicate that in 2020, the equivalent of 97.4% of Scotland’s gross electricity consumption was from renewable sources, falling just short of the 100% by 2020 renewable electricity target. This uses an estimate of gross consumption. The final figure will be available in December 2021. This is a corrected figure which supersedes the 93.2% figure published previously.
- 2020 was another record year for renewable electricity generation in Scotland with 31.8 TWh generated, 4.2% up on 2019. This is the equivalent of powering all households in Scotland for almost three and a half years.
- Renewable electricity generation between October and December 2020 was down by 3.1% on Q4 2019. This is despite capacity increasing for the first time since June 2019 from 11.8 GW to 11.9 GW in December 2020.
- Scotland’s net exports of electricity (exports minus imports) in 2020 was its highest to date at 19.3 TWh, a 21% increase compared to 2019. Scotland’s electricity exports had an estimated wholesale market value of £0.76 billion.
- The majority of Scotland’s renewable electricity generation continues to come from wind (23.2 TWh). Offshore wind continued to grow in 2020: 3.5 TWh was generated last year via offshore wind, up from 3.2 TWh in 2019.
- 14.0 GW of renewable electricity projects are consented and in the pipeline for development. 2.0 GW of these are under construction, most of which are onshore wind farms off the Moray Firth.

Energy Targets:

<table>
<thead>
<tr>
<th>Target Description</th>
<th>Latest</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall renewable energy target</td>
<td>24.0%</td>
<td>50% in 2030</td>
</tr>
<tr>
<td>Total Scottish energy consumption from renewables</td>
<td>in 2019</td>
<td></td>
</tr>
<tr>
<td>Renewable electricity target</td>
<td>97.4%</td>
<td>100% in 2020</td>
</tr>
<tr>
<td>Gross electricity consumption from renewables</td>
<td>in 2020</td>
<td></td>
</tr>
<tr>
<td>Renewable heat target</td>
<td>6.5%</td>
<td>11% in 2020</td>
</tr>
<tr>
<td>Non-electrical heat demand from renewables</td>
<td>in 2019</td>
<td></td>
</tr>
<tr>
<td>Energy consumption target</td>
<td>13.4%</td>
<td>12% in 2020</td>
</tr>
<tr>
<td>Reduction in total energy consumption from 2005-07</td>
<td>in 2019</td>
<td></td>
</tr>
<tr>
<td>Energy productivity target</td>
<td>3.2%</td>
<td>30% in 2030</td>
</tr>
<tr>
<td>% change in gross value added achieved from the input of one gigawatt hour of energy from 2015.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sources:
- Renewable energy target: https://scotland.shinyapps.io/Energy/?Section=WholeSystem&Chart=RenEnTgt
- Renewable electricity target: https://scotland.shinyapps.io/Energy/?Section=RenLowCarbon&Subsection=RenElec&Chart=RenElecTarget
- Renewable heat target: https://scotland.shinyapps.io/Energy/?Section=RenLowCarbon&Subsection=RenHeat&Chart=RenHeat
- Energy consumption target: https://scotland.shinyapps.io/Energy/?Section=EnergyEfficiency&Subsection=DemandReduction&Chart=EnConsumptionTgt
- Energy productivity target: https://scotland.shinyapps.io/Energy/?Section=WholeSystem&Chart=EnProd
2020 was a record year for renewable electricity generation in Scotland with 31.8 TWh generated, 4.2% up on 2019.

Final figures for 2019 show that 89.5% of gross electricity consumption came from renewable sources.

Scotland has a target to deliver the equivalent of 100% of gross electricity consumption from renewables by 2020.
Record renewable electricity generation in 2020 meant that Scotland’s net exports of electricity was its highest to date at **19.3 TWh**.

The majority of Scotland’s renewable electricity generation continues to come from **wind (23.2 TWh)**.

### Renewable hydro

Generation grew the most in **2020**: **5.9 TWh** was generated last year via hydro, up from **5.4 TWh** in 2019.

**Capacity** has grown slightly, **11.9 GW** in December 2020, up **0.1 GW** since September 2020.

**14.0 GW** of projects are in the **pipeline** for development. **2.0 GW** on these are **under construction**, mainly offshore wind.

### Pipeline Capacity - December 2020

- **Under Construction**: 2.0 GW
- **Awaiting Construction**: 7.7 GW
- **In Planning**: 4.3 GW
- **Total Pipeline Capacity**: 14.0 GW