

# **Energy Statistics for Scotland** Q1 2022 Figures

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June 2022

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/sgenergy

#### Scottish Energy Strategy.

https://www.gov.scot/ publications/scottish-energystrategy-future-energyscotland-9781788515276/

## **Key Points:**

- Renewable electricity generation in Q1 2022 in Scotland increased by 24% compared to Q1 2021 – 11.1 TWh were generated between **January and March 2022**. This most likely came from an increase in the amount of wind in Q1 2022 compared to Q1 2021.
- Renewable electricity capacity has increased in Q1 2022. In March 2022 Scotland had 13.3 GW installed capacity, which is a 1.0 **GW increase** from December 2021. This is the biggest increase in a single quarter and is due to an offshore windfarm becoming operational in East Moray.
- There is an additional 16.0 GWh of renewable electricity capacity at various stages of development in the pipeline, of which 10.6 GW are onshore wind projects.
- In 2020, each kilowatt hour of electricity generated in Scotland added an estimated 33.6 grams of carbon dioxide into the atmosphere (gCO2e/kWh). This remains below the 50 gCO2e/kWh ambition for **2020** outlined in the Climate Change Plan.
- Average daily electricity demand in Scotland increased to 77.3 GWh in the first six months of 2022. This is an 8% increase compared to **2021**. This reflects the trend seen in 2020 and 2021 that saw drops in **electricitydemand** when the most stringent lockdown restrictions were in place during the COVID-19 pandemic.
- In 2020, road transport energy consumption decreased by 21% compared to 2019. This is likely due to the COVID-19 lockdowns in 2020.

Latest	Target
<b>25.4%</b> in 2020	<b>50%</b> by 2030
Provisional 14.4% in 2020	<b>1 12%</b> by 2020
Provisional ↓ <b>5.9%</b> in 2020	<b>† 30%</b> in 2030
	Provisional 14.4% in 2020  Provisional 15.9%

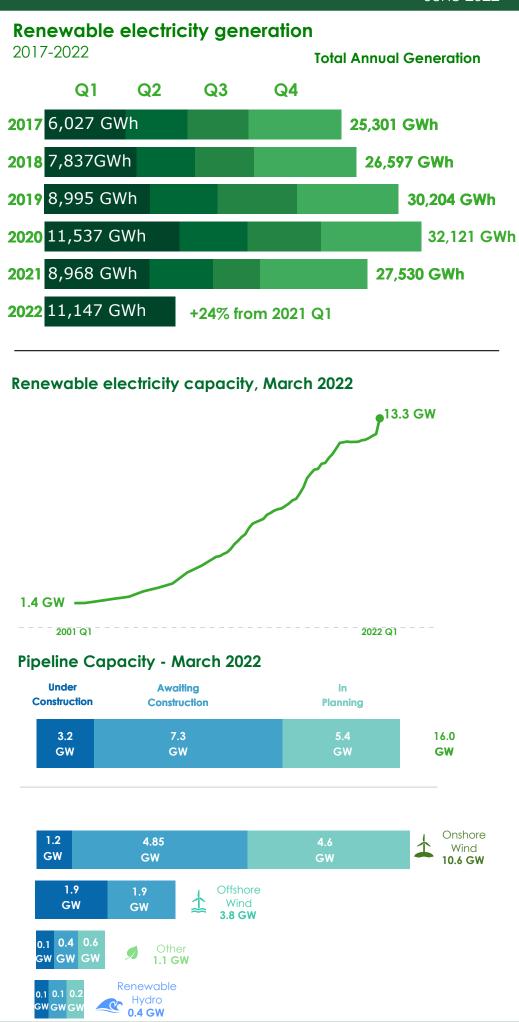
Energy productivity target:

Electricity

Renewable Electricity **Generation** in the **first** quarter of the year saw an increase.

11.147 GWh of renewable electricity was generated in 2022 Q1, up 24% from 2021 Q1. This most likely came from an increase in the amount of wind in Q1 2022 compared to Q1 2021.

Renewable electricity capacity has increased in March 2022 Scotland had 13.3 GW installed capacity, up 1.0 GW from December 2021.

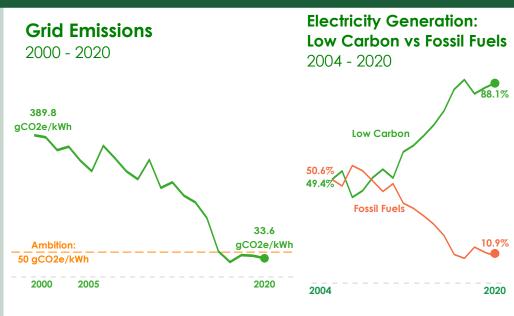


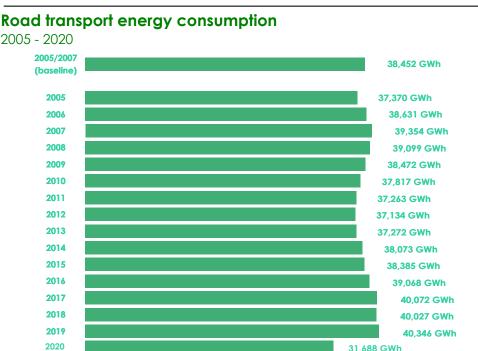
Electricity

In 2020, each kilowatt hour of electricity generated in Scotland added an estimated 33.6 grams of carbon dioxide into the atmosphere (gCO2e/kWh). This has fallen 7.3 gCO2e/kWh from 2019.

Latest road transport energy consumption figures shows that, total energy consumption in 2020 was at its lowest level, down 21% from 2019.

Average daily electricity demand in Scotland increased to 77.3 GWh in the first six months of 2022. This is an 8% increase compared to 2021. This reflects the trend seen in 2020 and 2021 that saw drops in electricity demand when the most stringent lockdown restrictions were in place during the COVID-19 pandemic.





# Average daily electricity demand

Scotland, 2013-2022

