

# Energy Statistics for Scotland Q3 2019 Figures

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## December 2019

This publication is a summary of the key statistics relating to energy in Scotland.

#### Energy statistics database:

https://www2.gov.scot/Topics/ Statistics/Browse/Business/Energy/ Database

#### Interactive energy app:

https://scotland.shinyapps.io/sgscottish-energy-statistics/

### Key Points:

- Final figures for **2018** indicate that the equivalent of **76.2%** of gross **electricity** consumption was from **renewables**, up from **70.1%** in **2017**.

- Provisional figures indicate that progress towards the **renewable** energy target is 20.9% in 2018, up from 19.2% in 2017.

- Provisional figures for **2018** indicate **energy consumption** in Scotland was broadly consistent in 2018 compared to 2017. Energy **consumption** is **below** the **12%** target compared to baseline consumption in 2005-07 (12.1% lower).

- Scotland continued its strong start to 2019 in terms of **renewable** electricity generation - 6,815 GWh between July – September 2019, by far the highest for any quarter 3 to date. Generation this quarter is the equivalent of powering two-thirds of all Scottish households for a year.

- Scotland generated **21,688 GWh** of renewable electricity in the first nine months of **2019**, **up 23.0%** from the same point in 2018.

- Scotland's overall renewable electricity **capacity** was **11.7 GW** as of **September 2019**, **up** by **0.9 GW** from September 2018. A further **12.9 GW** of capacity is in the **pipeline** (i.e. either under construction, awaiting construction or in planning).

- Almost **55%** of the **electricity** that **Scotland generated** in **2018** came from **renewable** sources in comparison to **29%** in **England and Wales**.

-Electricity generation from fossil fuels increased, up from 10.3% in 2017 to 15.7% in 2018. Generation from natural gas reached its highest point since 2011. Gas electricity generation may be making up for a drop in nuclear electricity generation (36.8% of all generation in 2017 to 28.2% in 2018) stemming from long-term outages at Hunterston B towards the end of 2018.

uarter:	Energy Targets:		Latest	Target
gy target - The	Overall renewable energy target Total Scottish energy consumption from renewable	ESTIMATED	<b>20.9%</b> in 2018	<b>50%</b> by 2030
19.1% to <b>19.2%</b> et - The 2017 5 to <b>-1.2%</b>	Renewable electricity target Gross electricity consumption from renewables		<b>76.2%</b> in 2018	<b>100%</b> by 2020
The 2018 figure to <b>76.2%.</b>	Renewable heat target Non-electrical heat demand from renewables	ESTIMATED	<b>6.3%</b> in 2018	<b>11%</b> by 2020
he 2017 figure I <b>2.1%</b>	Energy consumption target Reduction in total energy consumption from 2005-0	<b>estimated</b> )7	↓ <b>12.1%</b> in 2018	<b>↓ 12%</b> by 2020
	<b>Energy productivity target</b> % change in gross value added achieved from the input of one gigawatt hour of energy from 2015.	ESTIMATED	<b>10.3%</b> in 2018	<b>1 30%</b> in 2030

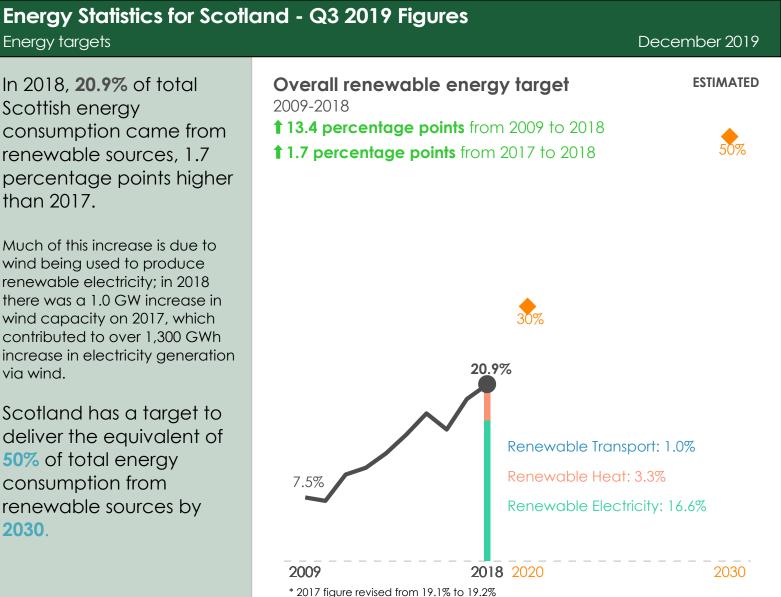
### Revisions from last quarter

Overall renewable energy target - The 2017 figure revised from 19.1% to 19.2%

**Energy Productivity target** - The 2017 figure revised from -1.5% to **-1.2%** 

**Renewable electricity** - The 2018 figure was revised from 76.3% to **76.2%**.

Energy Consumption - The 2017 figure revised from -11.9% to -12.1%



#### Energy productivity target 2015 - 2018

ESTIMATED

- 2013 2010
- **1** 0.3% from 2015 to 2018
- 1.5 percentage points from 2017 to 2018



In 2018, energy

2018.

productivity was 0.3%

higher than the 2015

baseline in the latest

provisional estimate for

Energy productivity is the Gross Value Added (GVA) from the input of one gigawatt hour. Higher energy productivity means "squeezing" more out of every unit of energy consumed.



# Energy Statistics for Scotland - Q3 2019 Figures

In 2018, 76.2% of gross electricity consumption came from renewable sources, up 6.1 percentage points from 2017.

Scotland has a target to deliver the equivalent of 100% of gross electricity consumption from renewables by 2020.

In 2018, 6.3% of nonelectrical heat demand in Scotland was generated from renewable sources. The majority of the rise this year is due to increased heat output from **biomass**.

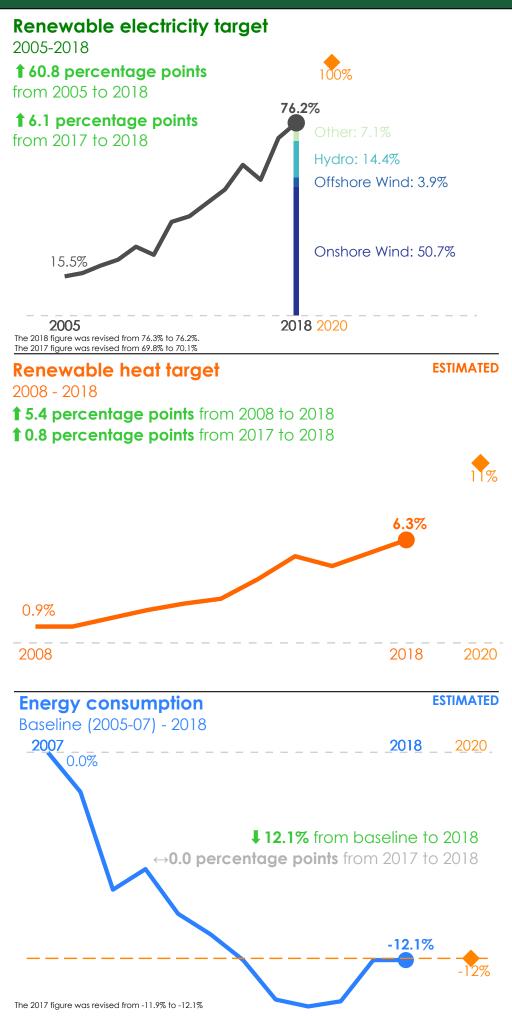
Scotland has a target to deliver the equivalent of 11% of heat demand from renewable sources by 2020.

In 2018, estimated total final energy consumption was 12.1% lower than the 2005-07 baseline

Scotland remains within the target to reduce consumption by 12% by 2020.

Provisional figures for **2018** suggest energy consumption in Scotland was broadly consistent in 2018 as in 2017.

Sources



## Energy Statistics for Scotland - Q3 2019 Figures

Electricity

Scotland's overall

renewable electrical

of September 2019.

A further 12.9 GW of

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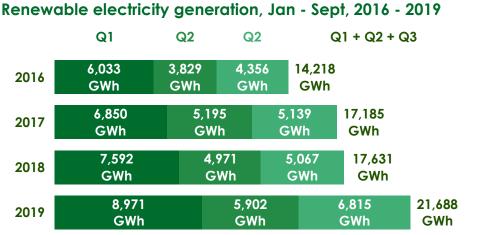
planning).

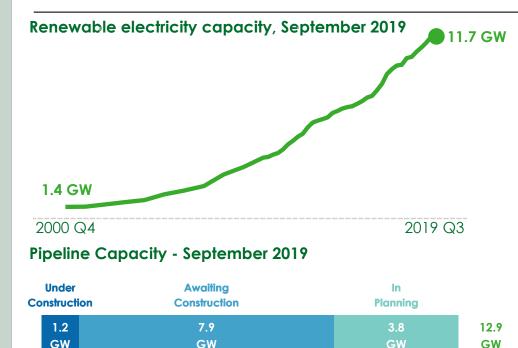
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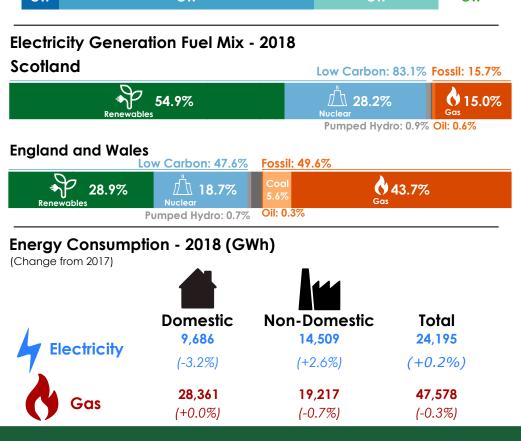
Scotland has generated 21,688 GWh of Q1 renewable electricity in 6.033 2016 the first nine months of GWh 2019, up 23% from the 6,850 2017 first nine months of 2018. GWh 7,592





## Almost 55% of the electricity that Scotland generated in 2018 came from **renewable** sources, in comparison to 29% in **England and Wales.**

Consumption of electricity in the domestic sector decreased by 3.2% from 2017 to 2018, but increased 2.6% in the nondomestic sector.



Renewable Electricity - Energy Statistics Database: 'Renewable elec by fuel' Renewable Electricity Generation by Source - Energy Statistics Database: 'Renewable elec by fuel'

Renewable Capacity in Scotland - Energy Statistics Database : 'Renewable elec planning