

March 2018 Release Overview

Renewable electricity data allows for:

- the first estimate of 2017 percentage progress towards the 100% renewable electricity target
- the latest update of renewable electricity generation and capacity for Q4 2017 in Scotland.

In 2015, 17.8% of total Scottish energy consumption came from renewable sources

Scotland has a target to deliver the equivalent of 30% of total energy consumption from renewable sources by 2020.

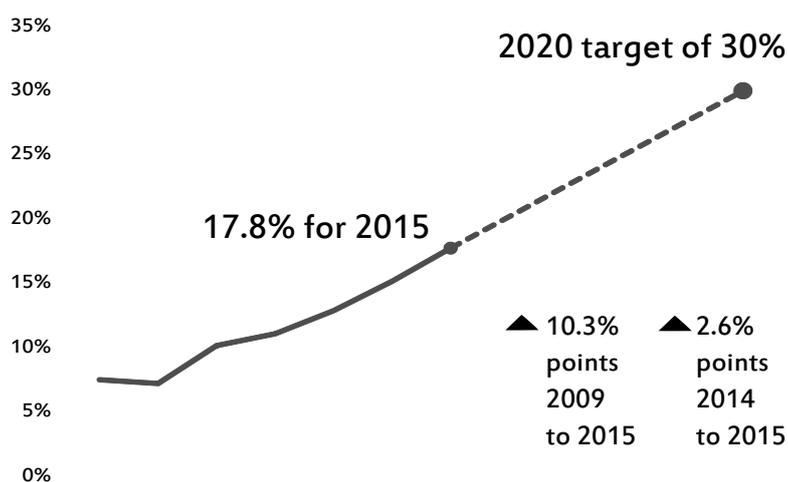
In 2017, 68.1% of gross electricity consumption came from renewable sources

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

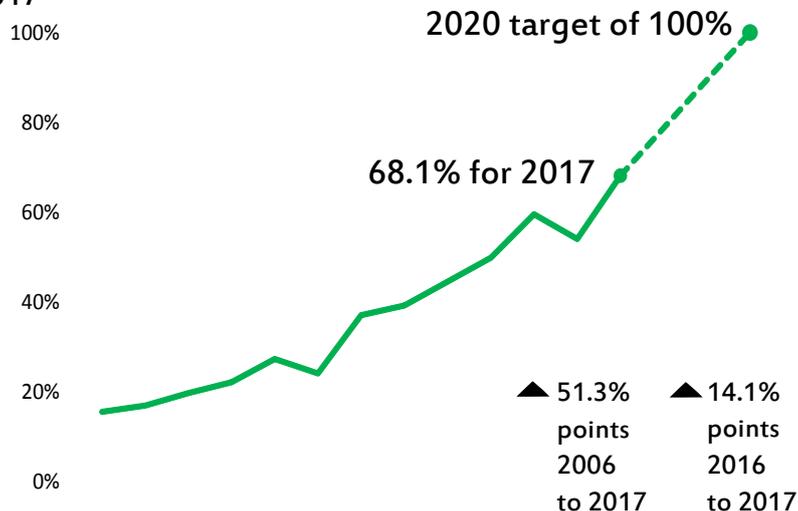
Renewable Energy Targets - Summary of Latest Progress

	%	YEAR
Overall Renewable Energy Target 30% of total Scottish energy consumption from renewables by 2020	17.8%	2015
Renewable Electricity Target 100% of gross electricity consumption from renewables by 2020	68.1% <i>prov</i>	2017
Renewable Heat Target 11% of non-electrical heat demand from renewables by 2020	4.8% <i>prov</i>	2016
Renewable Transport Target 10% of transport petrol and diesel consumption from biofuels by 2020	3.1%	2016
Energy Consumption Target 12% in total final energy consumption by 2020	-15.4%	2015

Overall Renewable Energy Target 2009 - 2015



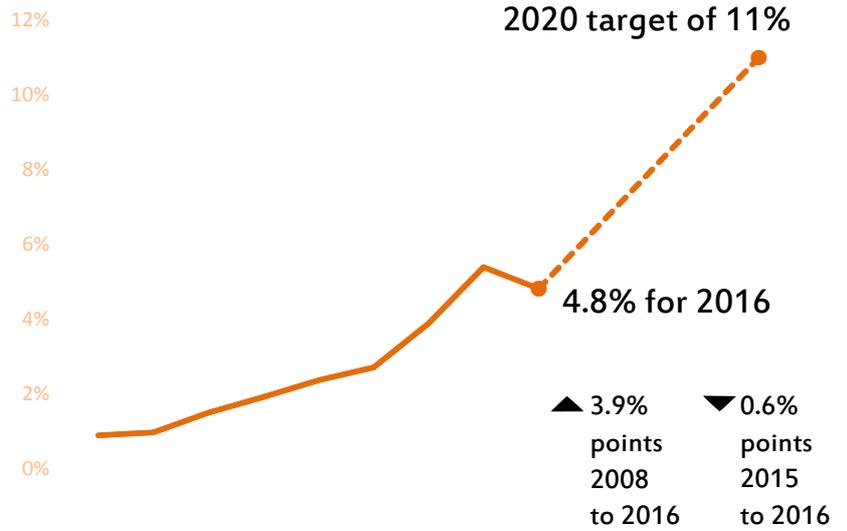
Renewable Electricity Target 2005 - 2017



In 2016, 4.8% of heat demand in Scotland was generated from renewable sources.

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

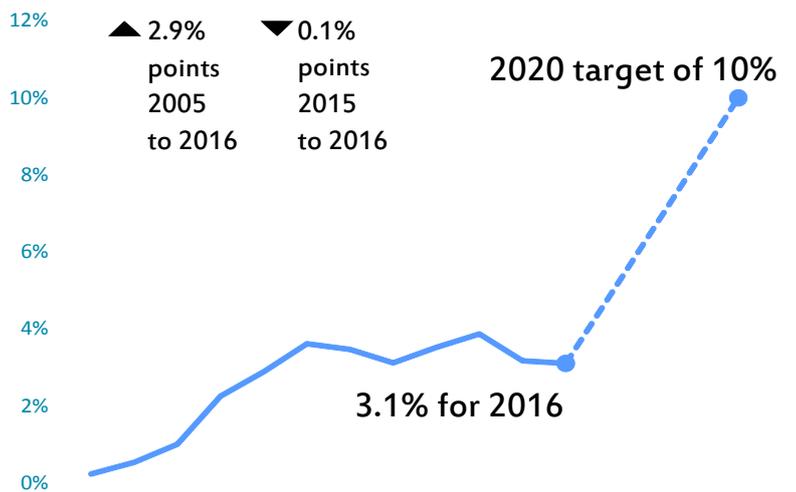
**Renewable Heat Target
2008 - 2016**



In 2016, 3.1% of total transport fuel consumption was accounted for by renewable sources

Scotland has a target to deliver of 10% of transport petrol and diesel consumption from biofuels by 2020.

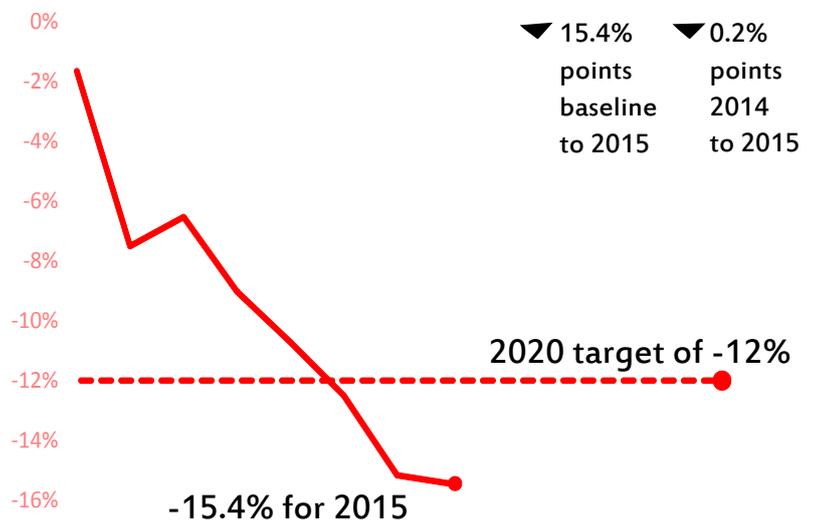
**Renewable Transport Target
2005 - 2016**



In 2015, total final energy consumption was 15.4% lower than the 2005-07 baseline

Scotland has a 2020 target to reduce total final energy consumption by 12% from baseline 2005-07. At -15.4% in 2015, the reduction in energy consumption is already below the level required to meet the 2020 target.

**Energy Consumption Target
Baseline (2005-07) - 2015**

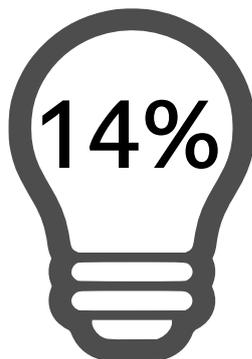


2017 is a record year for renewable electricity generation in Scotland

Renewable electricity generation in 2017 is greater than both 2016 (26%) and 2015 (14%), the previous record year for renewable electricity generation.

Scottish renewable generation made up approximately 25% of total UK renewable generation in 2017.

Latest data, 2017
Renewable generation
in 2017



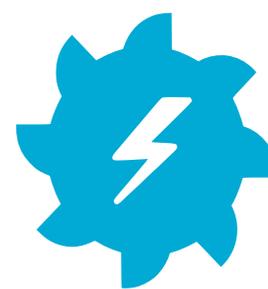
greater than 2015 -
previous record year

Wind



up 34%
on 2016

Hydro



up 9%
on 2016

Electricity consumption met by renewables in Scotland is greater than the RUK and than the EU average

Provisionally in 2017, 68.1% of Scotland's electricity consumption was met by renewables.

In 2016, only 3 EU countries had a greater proportion of electricity consumption met by renewables.

*Rolls forward 2016 electricity consumption as proxy for the 2017 estimate

Scotland's Renewable Generation as a Proportion of Electricity Consumption was



45.0%

points greater than
the equivalent figure for
Rest of UK in 2017*



24.4%

points greater than
the EU average in 2016**

**This data uses the latest Eurostat data for 2016. The methodology for the EU calculation differs slightly from the Scottish calculation

In December 2017, 10 GW of renewable electricity capacity was operational in Scotland

Data as at December 2017 show that Scotland had 10 GW of installed renewable electricity generation capacity, with an additional 10.9 GW of capacity either under construction, awaiting construction or in planning, the majority of which are wind generation projects.

Renewable Capacity in Scotland (GW), December 2017

