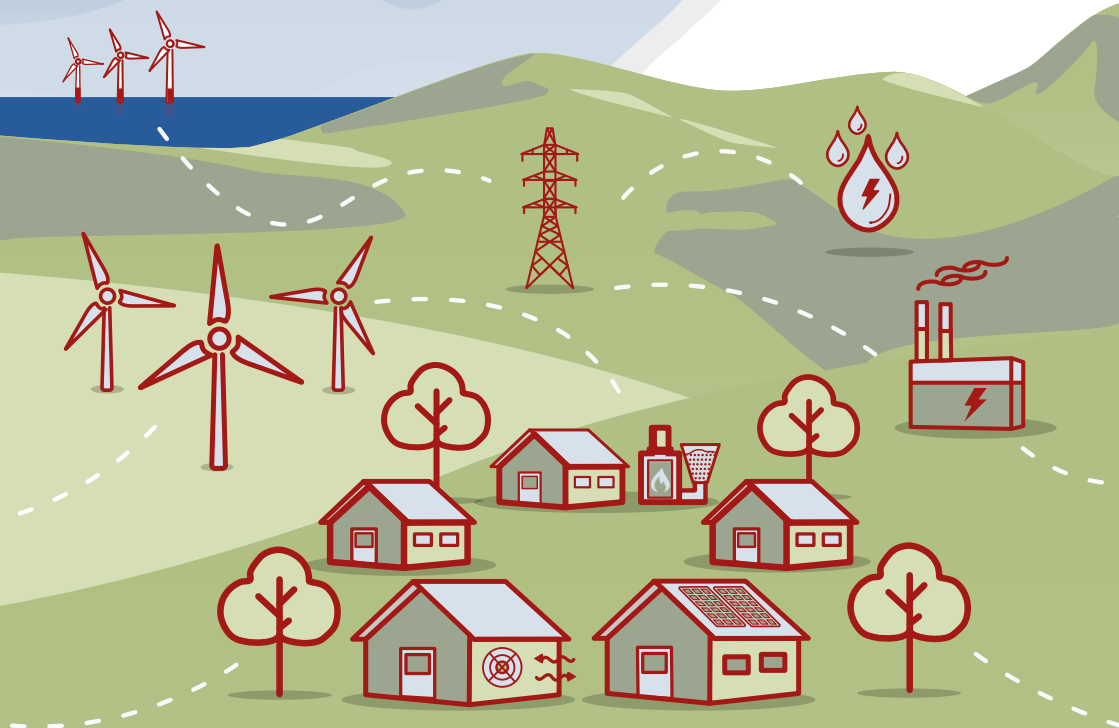


Energy Generation in Wales 2017 in 5 minutes



Llywodraeth Cymru
Welsh Government



A graphical summary of the
Energy Generation in Wales 2017 report

Full report available at gov.wales

regen 
transforming energy

Introduction

The Energy Generation in Wales 2017 report sets out the current energy generation capacity of Wales, and analyses how it has changed over time.

This accompanying document summarises:

- Progress towards renewable energy targets
- Renewable energy generation in Wales
- Local authority area progress
- Local ownership stories

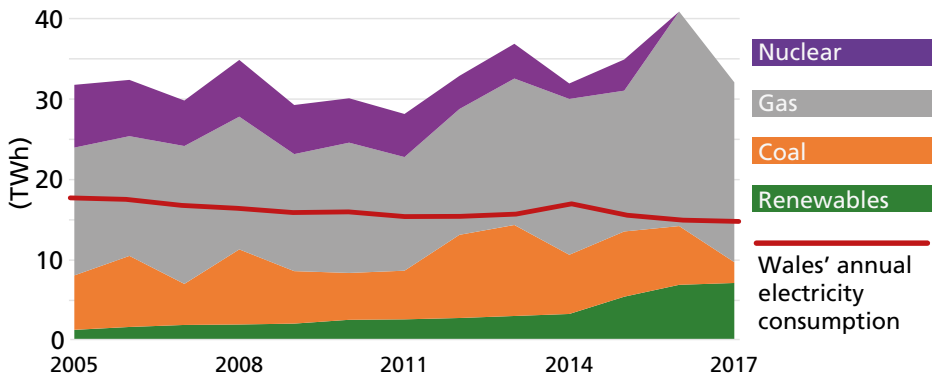
Welsh Government has set a supportive policy, regulatory and support framework in Wales, which continues to be successful in bringing forward energy projects both at the local, and the large scale.

Lesley Griffiths

Minister for Environment, Energy and Rural Affairs

Welsh electricity generation and consumption trends

Since 2005, energy consumption has fallen 17%. Electricity generation from nuclear and coal has reduced, whereas natural gas and renewable generation has increased.



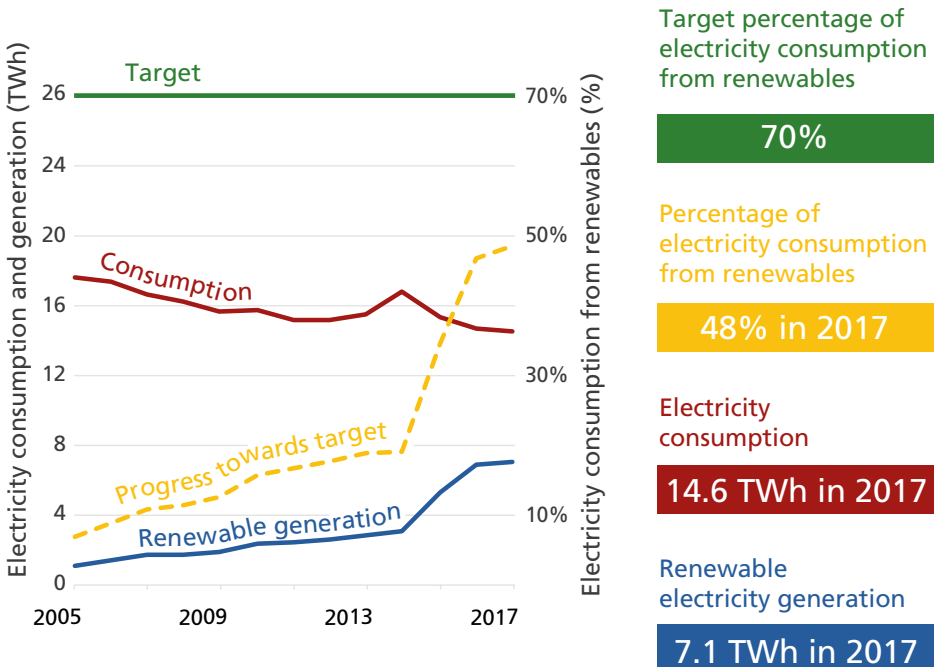
Progress towards targets

Renewable electricity generation has increased fourfold in the past 10 years.

Renewable electricity target



Generation and consumption trends

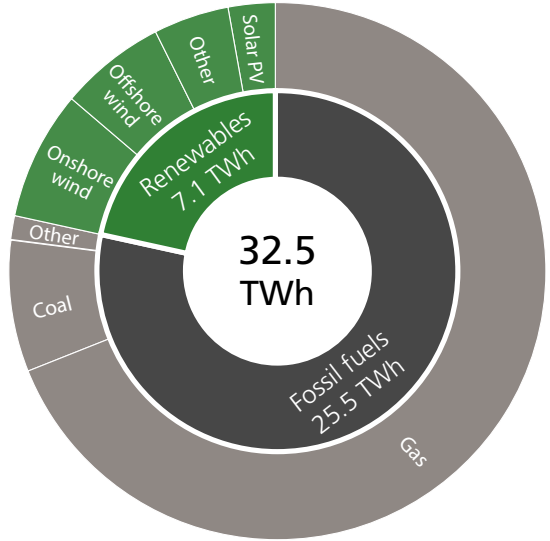


Electricity generation in Wales

Wales is a net exporter of electricity, exporting around 18 TWh of electricity in 2017.

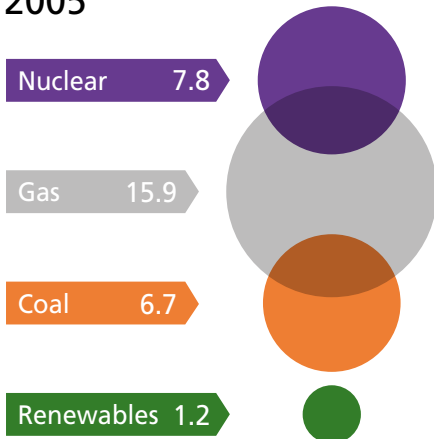
Wales' electricity generation mix

22% of total electricity generated in Wales is from renewables, the remainder is from fossil fuels.

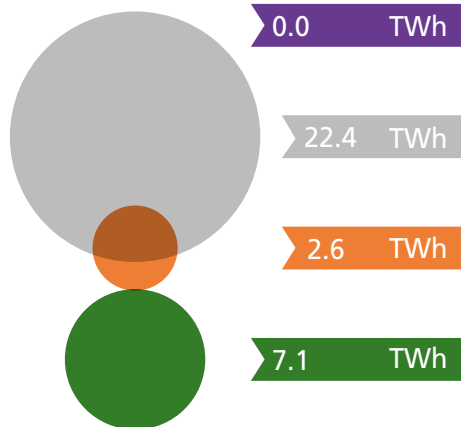


Electricity generation over time

2005



2017

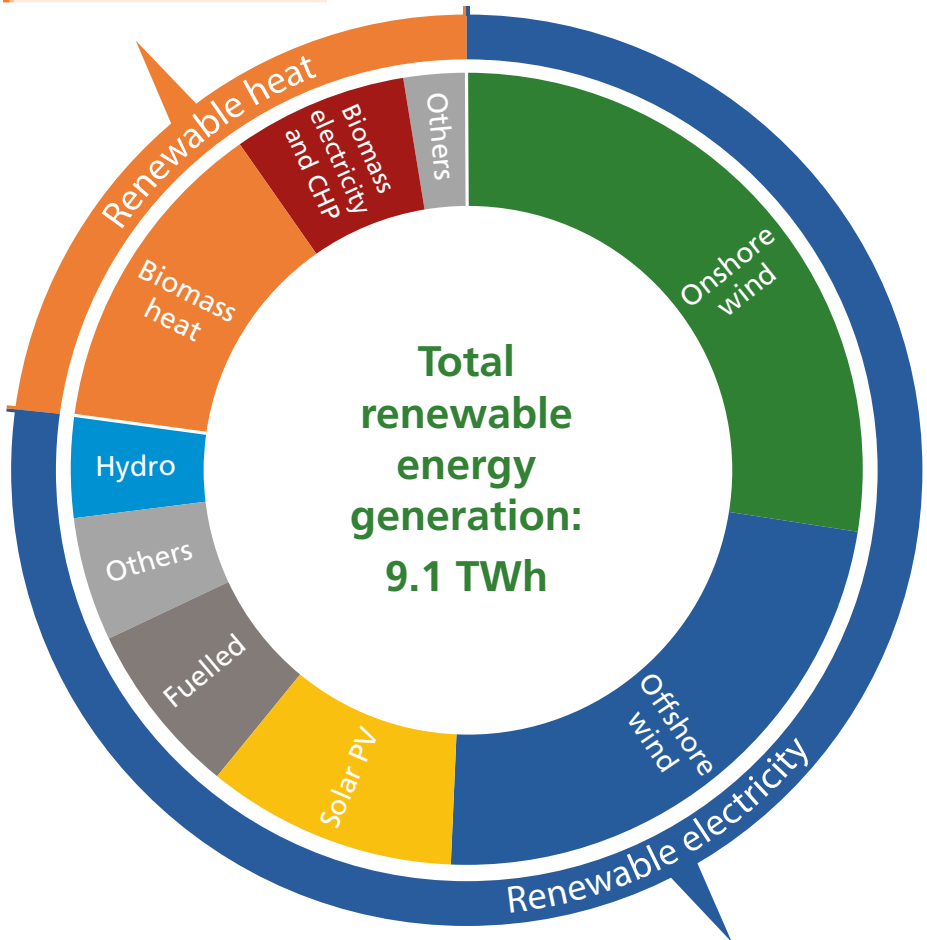


Renewable energy

Wind power makes up 51% of renewable energy generation in Wales in 2017.

Renewable energy generation mix

Heat: 23%
2.1 TWh total

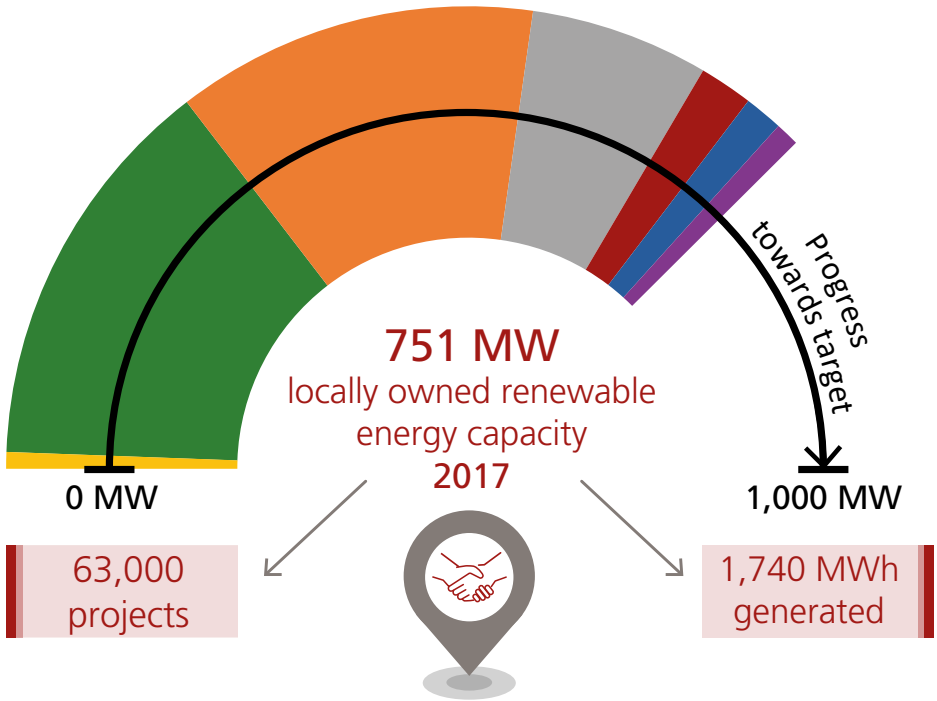


Electricity: 77%
7.1 TWh total

Local ownership target

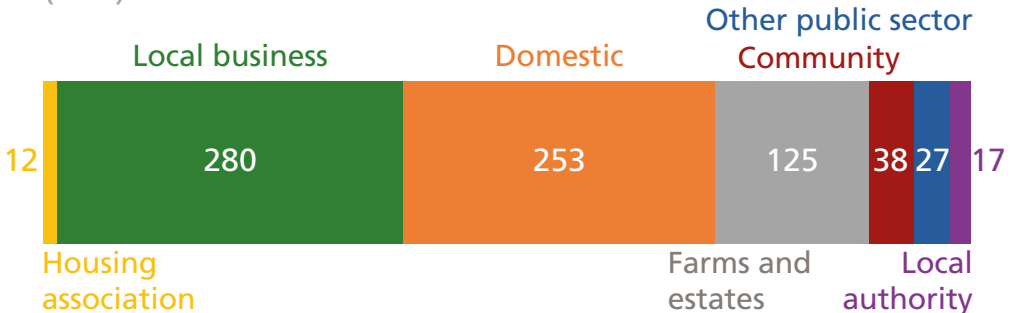
The Welsh Government has set a target for 1 GW (1,000 MW) of renewable energy capacity to be locally owned by 2030.

Progress towards target so far



Local ownership by capacity

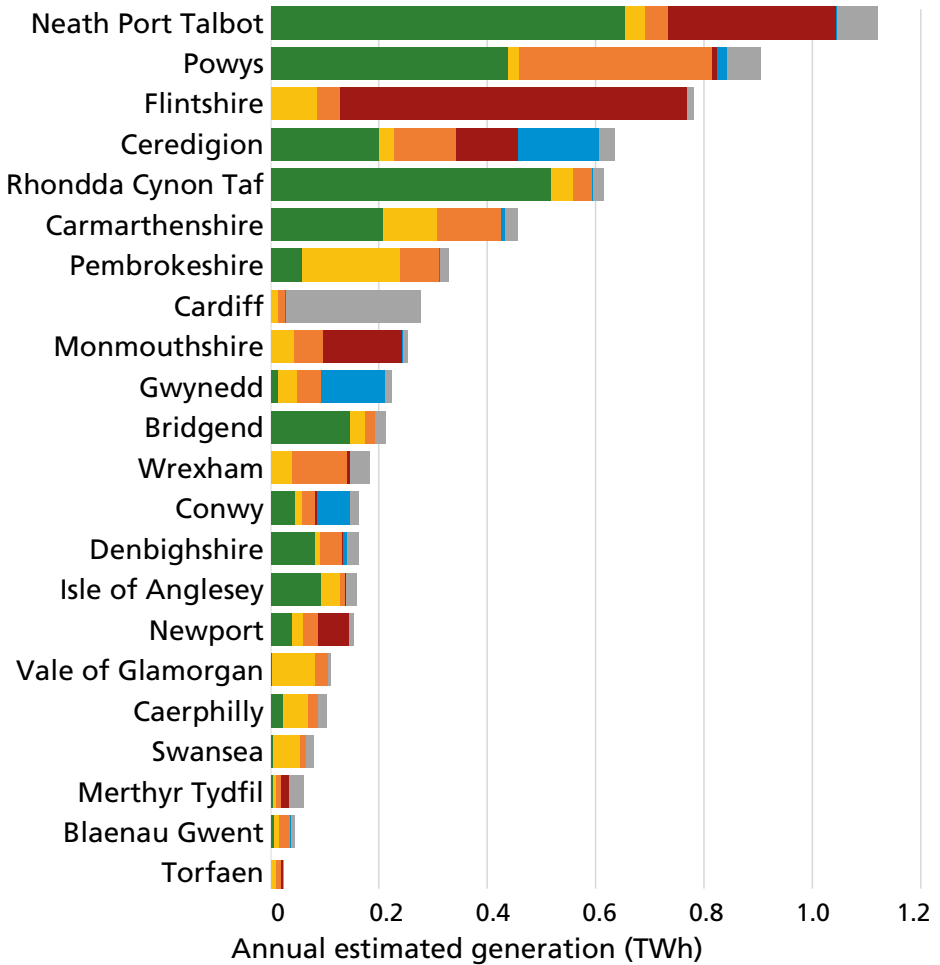
(MW)



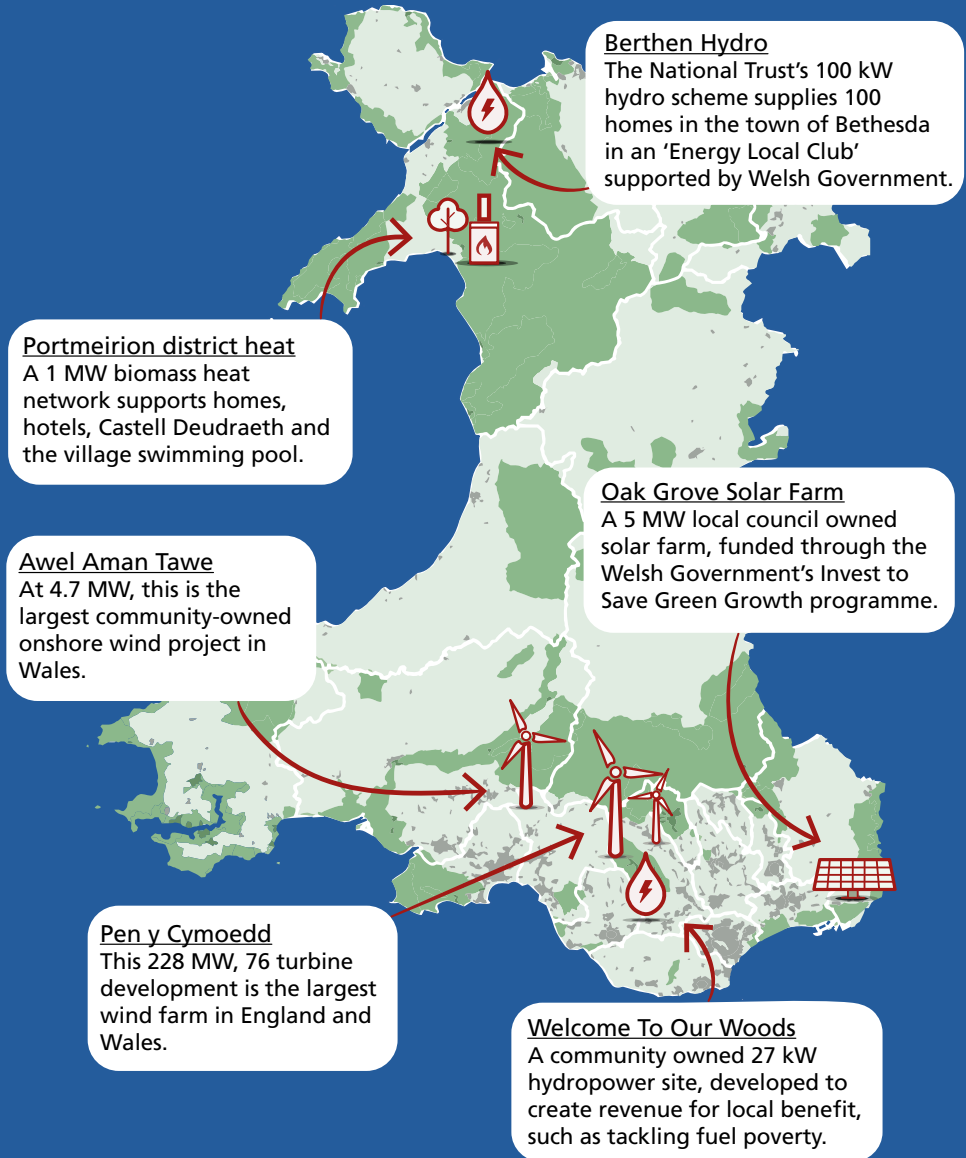
Local authority area progress

A total of 67,000 renewable energy projects have been installed across Wales up to 2017.

Renewable generation by local authority area



Local stories



The Energy Generation in Wales 2018 report will be published in the autumn of 2019.