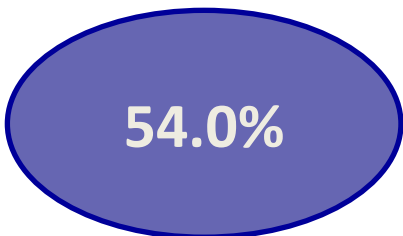
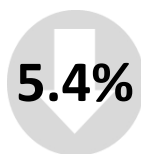


KEY FACTS...

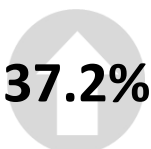
Provisionally, renewables sourced



...of gross electricity consumption in 2016



POINTS LOWER THAN 2015

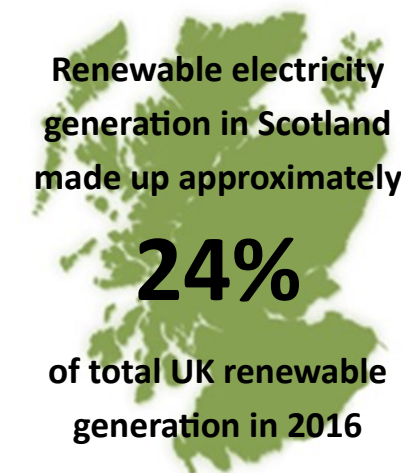


POINTS HIGHER THAN 2006

Renewable electricity generation in Scotland made up approximately

24%

of total UK renewable generation in 2016



Renewable Energy Targets – Summary of Latest Progress

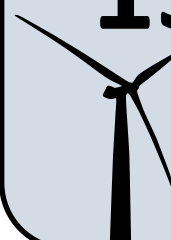
	%	AS AT
OVERALL RENEWABLE ENERGY TARGET 30% OF TOTAL SCOTTISH ENERGY CONSUMPTION FROM RENEWABLES BY 2020	15.2%	2014
RENEWABLE ELECTRICITY TARGET 100% OF GROSS ELECTRICITY CONSUMPTION FROM RENEWABLES BY 2020	54.0% <i>prov.</i>	2016
RENEWABLE HEAT TARGET 11% OF NON-ELECTRICAL HEAT DEMAND FROM RENEWABLES BY 2020	5.3% <i>prov.</i>	2015
RENEWABLE TRANSPORT TARGET 10% OF TRANSPORT PETROL AND DIESEL CONSUMPTION FROM BIOFUELS BY 2020	3.1%	2016
ENERGY CONSUMPTION TARGET 12% REDUCTION IN TOTAL FINAL ENERGY CONSUMPTION BY 2020	-15.2%	2014

Renewable Electricity Generation in Q1 2017 is



13%

Greater than in Q1 2016



In 2016, compared to 2015, renewable electricity generation decreased by...



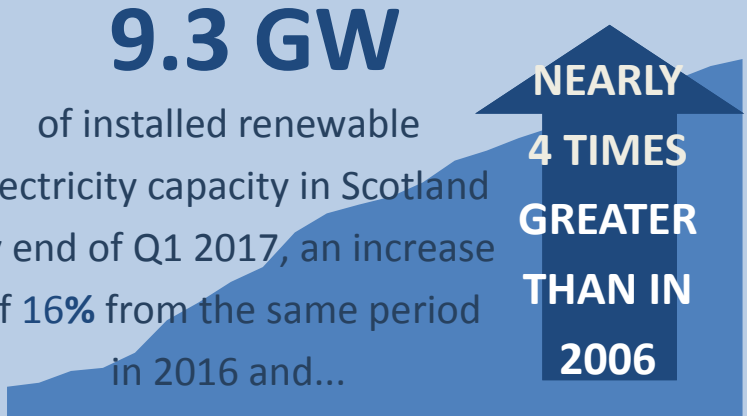
... but is nearly **3 times greater** than in 2006



9.3 GW

of installed renewable electricity capacity in Scotland by end of Q1 2017, an increase of 16% from the same period in 2016 and...

NEARLY 4 TIMES GREATER THAN IN 2006



Generation in 2016...



WIND

9%

FROM 2015



HYDRO

FROM 2015



Table 1: Renewable electricity generated (GWh), Scotland, 2000-2016

Year	Wind ¹	Hydro	Wave/ Tidal	Solar PV	Landfill	Sewage	Other Biofuels	TOTAL	Gross Consumption	Renewables as a % of gross consumption
2000	216.7	4,665.3	-	-	68.5	-	21.1	4,971.6	40,801	12.2%
2001	245.2	3,737.5	-	-	109.3	-	110.4	4,202.4	40,446	10.4%
2002	406.1	4,455.4	-	-	157.0	-	80.1	5,098.7	41,619	12.3%
2003	448.9	2,902.0	0.0	-	228.0	-	145.5	3,724.4	41,238	9.0%
2004	848.4	4,474.8	0.0	-	339.2	-	169.8	5,832.2	41,364	14.1%
2005	1,280.9	4,612.2	0.0	-	395.4	-	197.2	6,485.7	41,923	15.5%
2006	2,022.9	4,224.9	0.0	-	424.0	-	283.7	6,955.6	41,309	16.8%
2007	2,644.0	4,692.9	0.0	-	486.5	-	179.8	8,003.2	40,718	19.7%
2008	3,361.5	4,700.7	0.0	0.0	494.0	20.3	479.0	9,055.6	41,049	22.1%
2009	4,555.1	4,856.1	0.1	0.0	526.4	25.8	616.1	10,579.6	38,852	27.2%
2010	4,921.9	3,255.5	0.0	0.8	529.1	31.9	725.5	9,464.8	39,571	23.9%
2011	7,099.5	5,319.3	0.4	8.3	509.4	35.3	714.0	13,686.3	37,804	36.2%
2012	8,294.3	4,838.3	0.5	67.2	547.1	35.4	902.0	14,684.9	37,641	39.0%
2013	11,138.7	4,365.3	2.5	92.0	562.8	30.2	767.1	16,958.6	38,148	44.5%
2014	11,679.5	5,458.4	2.1	136.2	533.5	28.2	1,174.2	19,012.2	38,131	49.9%
2015	13,833.5	5,757.1	2.0	187.4	503.4	26.2	1,331.4	21,627.4	36,410	59.4%
2016	12,538.8	4,945.3	0.0	276.4	492.8	32.0	1,372.1	19,657.5	-	54.0%^P

SUMMARY OF KEY RENEWABLE ELECTRICITY GENERATION FIGURES FOR SCOTLAND...

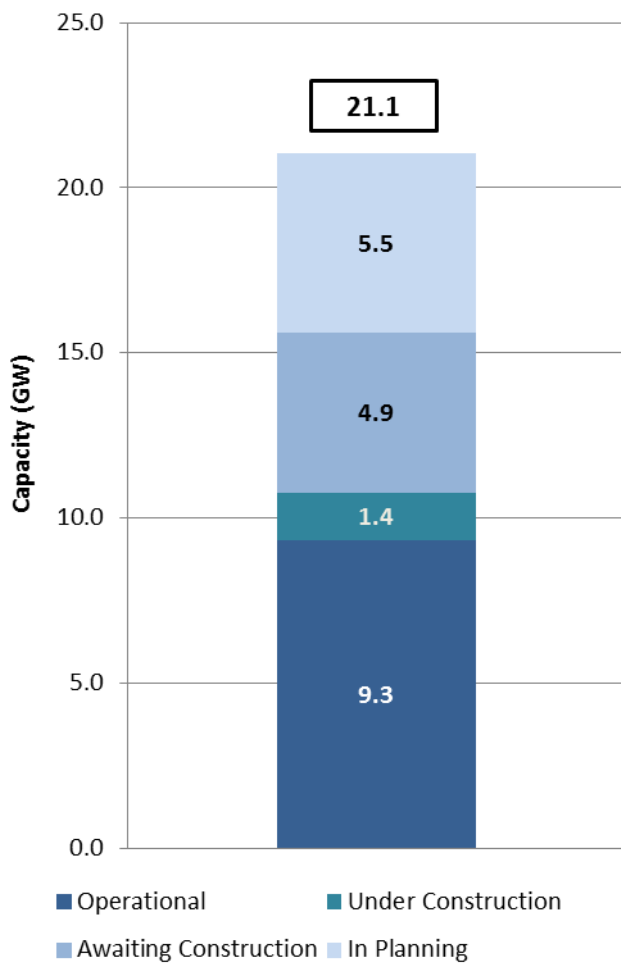
Provisional Annual figures for 2016:

- Renewable electricity generation in Scotland was 19,658 GWh, down 9% from 21,627 GWh in 2015 (previous record year for renewables).
- **54.0%** of Scotland's electricity consumption came from renewables in 2016 down 5.4 percentage points from 59.4% in 2015. However, this remains above the 2015 interim target of 50%.
- Wind generation in 2016 was 12,539 GWh, down 9% on 2015 (previous record year for wind) due to a lower load factor. However, this is still over 6 times the level of wind generation in 2006.
- Hydro generation in 2016 was 4,945 GWh down 14% on 2015 (previous record year for hydro).
- Scottish renewable generation made up **approximately 24% of total UK renewable generation** in 2016 (previously 26% in 2015).

Q1 2017 Estimates:

- Renewable generation in Scotland was 6,882 GWh in Q1 2017. This is an increase of **13%** (778 GWh) from Q1 2016. This means that Q1 2017 is a record quarter for renewable electricity generation, 1% greater than the previous record in Q1 2015.
- At the end of Q1 2017, there was 9,309 MW of installed renewables electricity capacity in Scotland, **an increase of 16%** (1,253 MW) from the end of Q1 2016 and an increase of 25% compared to Q1 2015

Figure 1: Renewable capacity in Scotland by planning stage, March 2017



RENEWABLE ELECTRICITY PLANNING DATABASE

More information on the methodology behind the renewable electricity planning database is available in the data extracts section on our energy statistics webpage:

<http://www.gov.scot/Topics/Statistics/Browse/Business/Energy/planningdata/planningextracts>

and also on the BEIS website:

<https://www.gov.uk/government/statistics/renewable-energy-planning-database-monthly-extract>

Renewable planning statistics for Scotland

Data as at March 2017 show that Scotland had **9.3 GW** of installed renewable electricity generation capacity, with an additional **6.3 GW** of capacity either under construction or consented, the majority of which are wind generation projects.

Taking into account pipeline projects, the total renewable capacity either in operation or in planning totals **21.1 GW** — over double the level currently deployed.

DATA SOURCES

The statistics summarised in this report are primarily sourced from the Department for Business, Energy and Industrial Strategy (BEIS). In particular:

BEIS's Quarterly Energy Trends reports:

<https://www.gov.uk/government/collections/energy-trends>

BEIS's quarterly renewable electricity generation tables (ET 6.1):

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/579528/ET_6.1.xls

BEIS's sub-national energy consumption tables:

<https://www.gov.uk/government/collections/sub-national-electricity-consumption-data>

Renewable Energy Planning Data:

<https://www.gov.uk/government/collections/renewable-energy-planning-data>

Regional Renewable Statistics:

<https://www.gov.uk/government/statistics/regional-renewable-statistics>