

## Renewable Energy September 2019

Large solar and wind technology updated monthly  
Other technologies updated annually

Technology	Installed Capacity (MW)		Permitted (not yet operational) capacity (MW)	
	Electricity	Heat	Electricity	Heat
Wind*	141.328		45.064	
Large scale solar (> 1 MW)	453.842		10.637	
Small Scale Solar PV	126.658			
Hydro	1.000		0.540	
Deep Geothermal			15.000	58.500
Anaerobic Digestion	2.200	3.000	0.600	
Landfill Gas	13.500			
Sewage Gas	0.500	0.960		
Animal Biomass		51.400	0.299	
Plant Biomass	0.800			
Energy from Waste**	26.300			
<b>TOTAL</b>	<b>766.128</b>	<b>55.360</b>	<b>72.140</b>	<b>58.500</b>

Sources for data:

Installed data: Hydro, Animal Biomass, Plant Biomass, Landfill Gas, Sewage Gas, and Energy from Waste:

Source: Department for Business, Energy and Industrial Strategy (data for 2017 published 27 September 2018)

Wind Turbine; Large Scale Solar PV; and Deep Geothermal:

Source: Planning application information

Permitted data: All technology types Source: Planning application information.

\* Marine application included within the permission data.

\*\*Cornwall Energy Recovery Centre (CERC), generating around 20MW, of which 16MW is exported to the grid after accounting for its parasitic load.

## Renewable Wind and Large Scale Solar Planning Applications

### Numbers of turbines installed

Tip height in m	No.Turbines installed
0-15	79
15-50	328
>50	111
<b>TOTAL</b>	<b>518</b>

### Planning application sites with capacities

\* 40M of this includes an approved Marine application for turbines

Type of Application	Wind		Large scale PV			Totals	
	Applications	Capacity (MW)	Large scale PV applications	Large scale PV acreage	Large scale PV Capacity (MW)	Capacity (MW)	Applications
Installed sites	403	141	85	2804	454	595	488
Under Construction	0	0	2	33	7	7	2
Approved*	14	45	1	27	4	49	15
Pending	0	0	0	0	0	0	0
Refused	159	146	15	642	117	263	174
Withdrawn	188	99	46	1264	23	123	234
<b>Total</b>	<b>764</b>	<b>431</b>	<b>149</b>	<b>4769</b>	<b>605</b>	<b>1037</b>	<b>913</b>

Data source: Planning register and planning information

This table has been produced on the basis available to the Council at the time and may be subject to change