

Former Avon

Renewable electricity

Total capacity: 17.06 MW, New capacity: 0.04 MW. *
Total projects: 22, New projects: 9.

Former Avon has recorded nine new renewable electricity projects in this year's survey, totaling 0.04 MW.

In addition:

- the county's largest capacity installations are sewage gas CHP at Avonmouth, wind turbines at Bristol port, and landfill gas
- Former Avon is the county with the third highest renewable electricity capacity (11 per cent of the region's total), but there is a large gap between it and the second best performer, Devon
- three wind farms have been approved this year. These are a 6 MW wind farm at Bristol City, a 12 MW wind farm at Wessex Water (Avonmouth), and a 6.9 MW wind farm at Alveston, South Gloucestershire
- Bristol City Council remains the top ranking local authority in former Avon with over 12 MW and eight projects installed
- Bath and North East Somerset is the local authority area with the lowest installed capacity of renewable energy (0.01 MW and two installations), but this is the first year it has registered electricity results
- South Gloucestershire had the highest number of new installations in the area (five) but these only added 0.02 MW to the total

* Former Avon's installed capacity has gone down due to a decrease in capacity at a landfill gas site.

Renewable heat

Total capacity: 11.78 MW, New capacity: 2.07 MW
Total projects: 78, New projects: 52

The county sits in third place in the south west in terms of its renewable heat capacity, with 11.78 MW and 21 per cent of the region's total. The majority of its new capacity comes from biomass (1.96 MW), though 42 out of its 52 new projects were solar thermal.

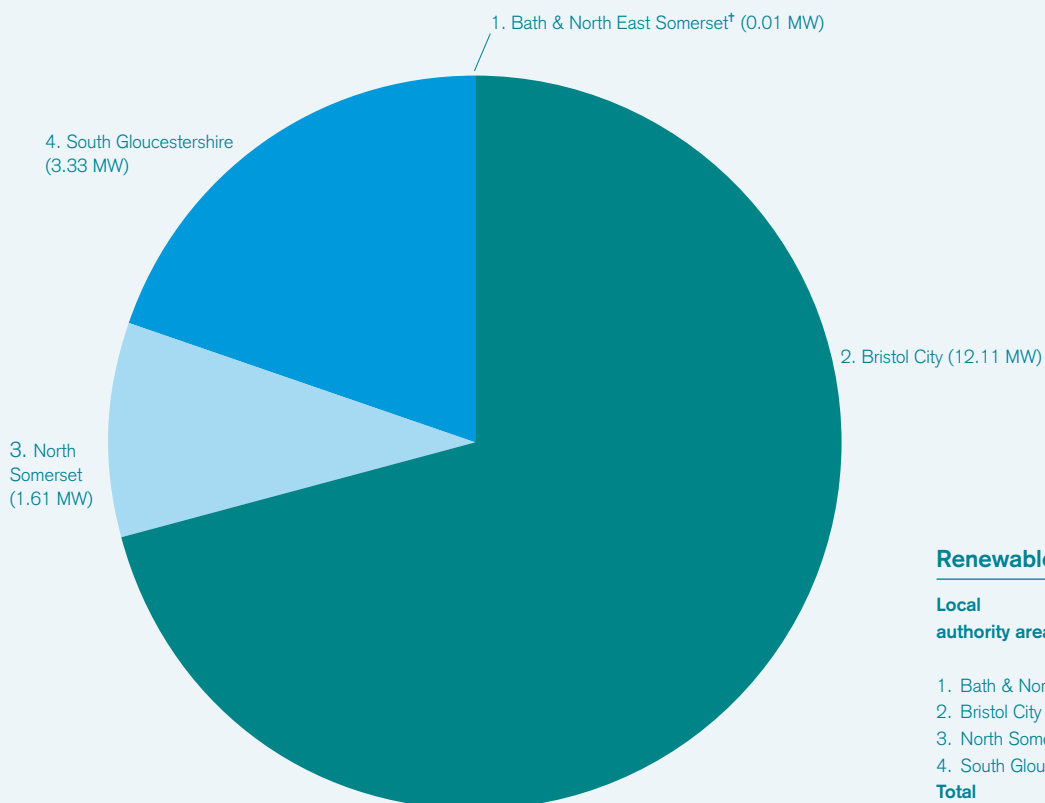
In addition:

- Former Avon's heat figures have grown significantly, both as a result of new installations and also as a result of old projects being added to our database
- 7 MW of the county's capacity come from a sewage gas CHP plant
- South Gloucestershire installed nearly 1 MW of renewable heat in 2008/9, but Bristol City Council remains the top performer, with 9.83 MW of installed capacity. However, only two new projects were recorded in Bristol City in this survey
- North Somerset, with 0.5 MW, and Bath and North East Somerset, with 0.25 MW, are the worst performers in Former Avon with only two new installations in each area in 2008/9



The Wessex Water **Acid Phase Digester (APD)** at its **Avonmouth sewage sludge processing plant**, which **treats** around **33,000 tonnes of sewage sludge per annum**. The results of the new APD process and technology have **resulted in energy production increasing by around 65 per cent** from **14.3 GWh per annum to 23.6 GWh per annum**.

Total installed capacity for renewable electricity for Former Avon (MW)

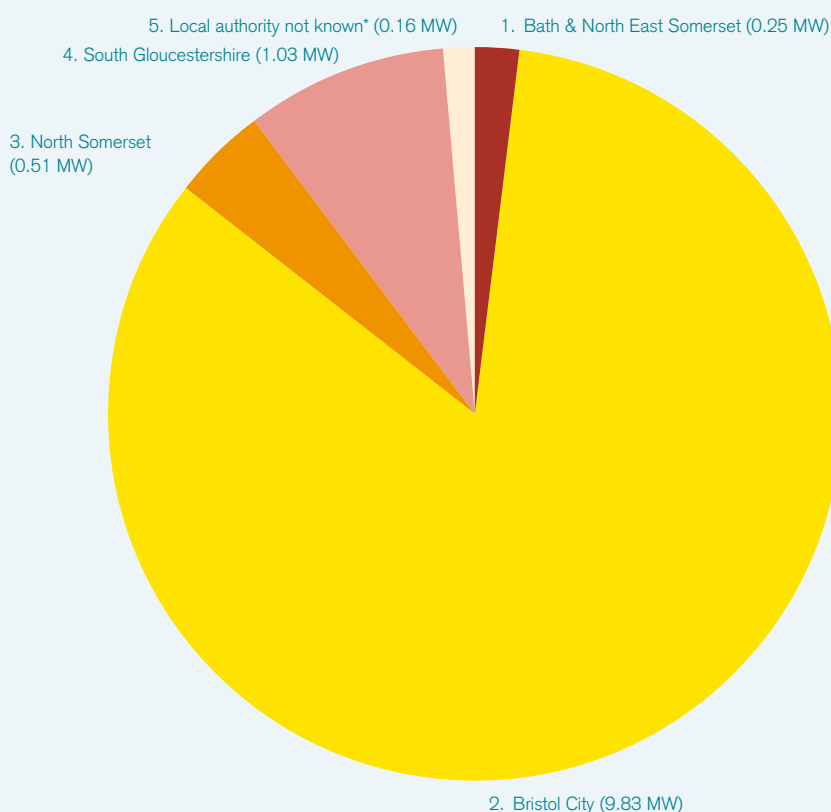


Renewable electricity projects

Local authority area	No. of projects	Installed capacity (MW)
1. Bath & North East Somerset	2	0.01
2. Bristol City	8	12.11
3. North Somerset	4	1.61
4. South Gloucestershire	8	3.33
Total	22	17.06

†Please note data for this segment is proportionally too small to appear on the chart.

Total installed capacity for renewable heat for Former Avon (MW)



Renewable heat projects

Local authority area	No. of projects	Installed capacity (MW)
1. Bath & North East Somerset	9	0.25
2. Bristol City	13	9.83
3. North Somerset	9	0.51
4. South Gloucestershire	46	1.03
5. Local authority not known*	1	0.16
Total	78	11.78

* Refers collectively to information provided by one installer – the specific number of their installations is unknown