

Gloucestershire

Renewable electricity

Total capacity: 10.24 MW, New capacity: 0.06 MW
Total projects: 40, New projects: 17

Gloucestershire is the lowest-ranked county in the south west in terms of renewable electricity installed capacity, and its increase in renewable electricity capacity over the past 12 months is just 0.06 MW. This is made up of 17 new projects, 12 of which are solar PV.

In addition:

- 9.45 MW (92.2 per cent) of Gloucestershire's renewable electricity comes from landfill and sewage gas, with the remaining 0.81 MW coming from small and micro wind, solar PV and small hydro
- Stroud has seen the greatest increase over the past 12 months in renewable electricity capacity (0.03 MW) and numbers of projects (7)
- Cheltenham is the worst performing district, with no electricity projects recorded, followed by the Forest of Dean (0.03 MW)
- there are currently no electricity projects over 1 MW in planning in Gloucestershire

Renewable heat

Total capacity: 6.22 MW, New capacity: 1.71 MW
Total projects: 159, New projects: 103

Gloucestershire has seen a huge increase in the number of renewable heat installations over the past 12 months, with more than 100 new installations. This represents a 27 per cent increase in capacity.

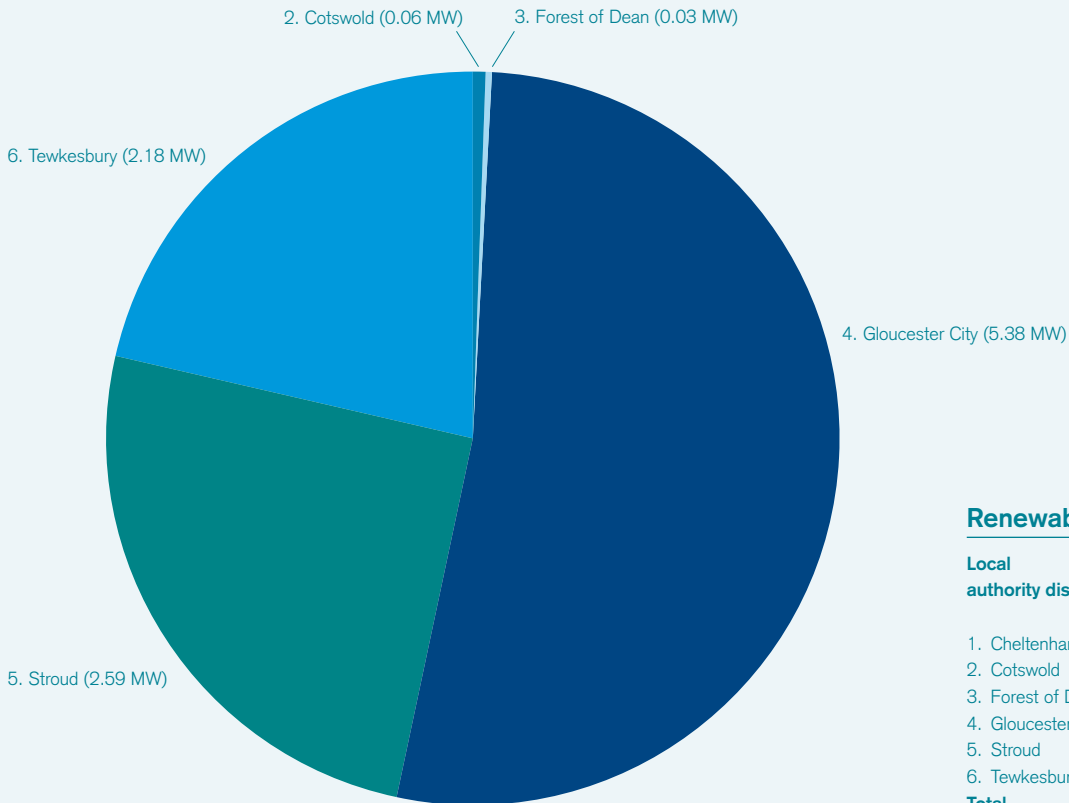
In addition:

- 73 of the new projects were solar thermal installations, adding 0.28 MW to the county's total installed capacity
- Gloucestershire has the second highest installed capacity of heat pumps in the region after Cornwall, with 2.36 MW. 0.49 MW of this was added through 24 projects in 2008/9
- Stroud recorded the highest increase in installed renewable heat capacity of the Gloucestershire districts, with 0.61 MW added
- Tewkesbury is the worst performing district in Gloucestershire, with just 0.1 MW of renewable heat through 14 projects. This is a 0.04 MW increase from last year



With support from the local community, Randwick Village Hall, near Stroud, has installed both a ground source heat pump and a solar PV array. In addition, it has fitted double glazing, upgraded roof insulation, and low-energy automatic lighting, while being used as an information point for villagers interested in sustainable energy.

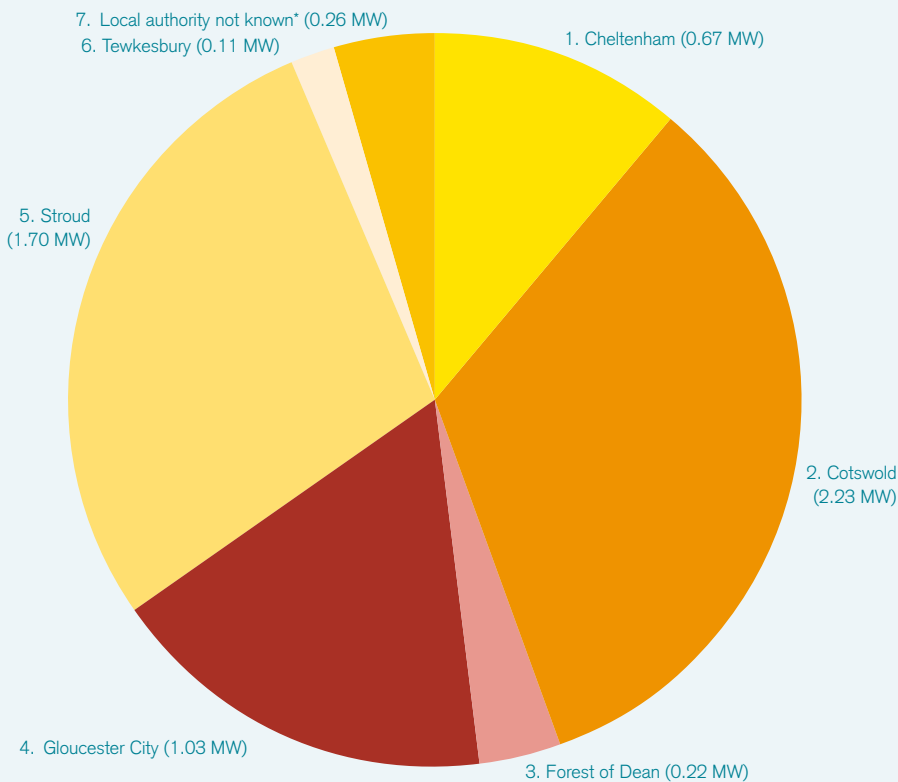
Total installed capacity for renewable electricity for Gloucestershire (MW)



Renewable electricity projects

Local authority district	No. of projects	Installed capacity (MW)
1. Cheltenham	0	0
2. Cotswold	6	0.06
3. Forest of Dean	7	0.03
4. Gloucester City	7	5.38
5. Stroud	17	2.59
6. Tewkesbury	3	2.18
Total	40	10.24

Total installed capacity for renewable heat for Gloucestershire (MW)



Renewable heat projects

Local authority district	No. of projects	Installed capacity (MW)
1. Cheltenham	9	0.67
2. Cotswold	21	2.23
3. Forest of Dean	15	0.22
4. Gloucester City	11	1.03
5. Stroud	86	1.70
6. Tewkesbury	14	0.11
7. Local authority not known*	3	0.26
Total	159	6.22

* Refers to two individual ground source heat pump installations, and a collective number of installations by one installer – the specific number of total installations is unknown.