



## Abergavenny

Energy Local Opportunities in Powys

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# The Abergavenny Energy Zone

## 1. Description

The substation in Abergavenny distributes electricity to the surrounding area, including a small area along the south-east border of Powys. There are only a few residential properties in Powys served by this substation, but the upland area does have some installed renewable generators.

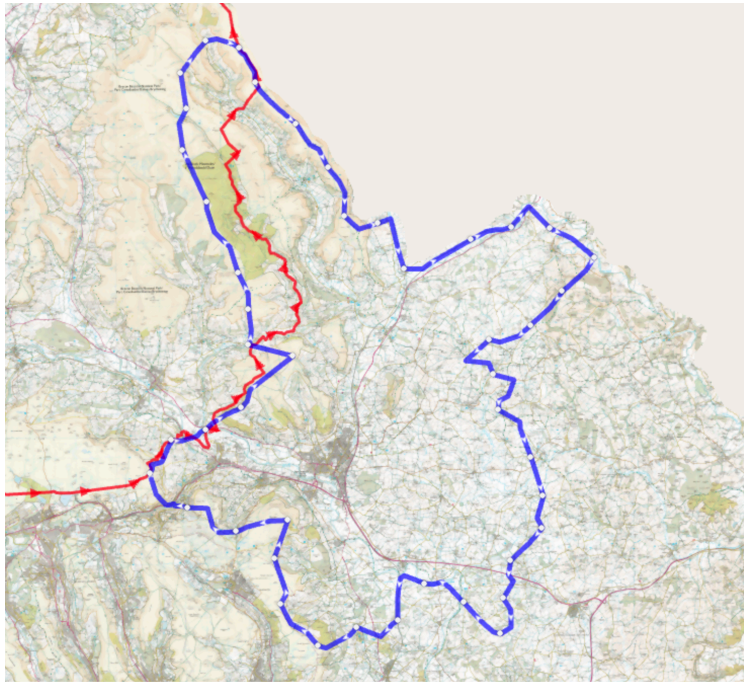


Figure 1 – Abergavenny energy zone map

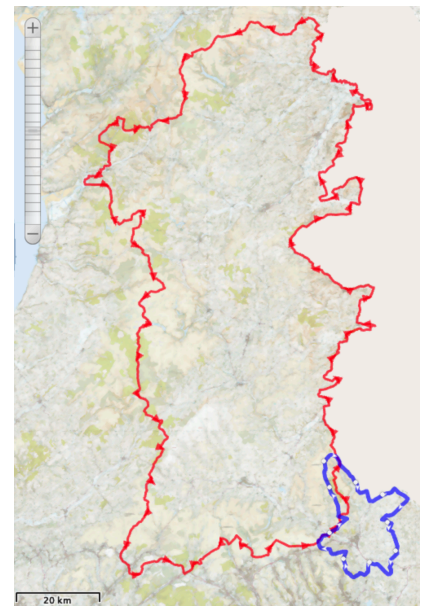


Figure 2 - Powys map

## 2. Potential viability of an Energy Local Club

There are three small hydro generators located within this zone, none of which is likely large enough to provide enough export for an Energy Local Club.

With generation so low, there are limited benefits to both generator and consumer, which would make it difficult to engage a generator or recruit consumer members.

## Summary of renewable generation in this energy zone

Table 1 - Summary of larger renewable generators in Abergavenny Zone

	Number of Registered Schemes	Total Installed Capacity	Average Capacity (kW)	Estimated kWh Produced p.a	Approx Number of Homes p.a Equivalent
Hydro	3	29.3	9.8	117,200	29
Wind	0	0.0	0.0	0	0
PV >4kW	0	0.0	0.0	0	0
<b>TOTAL</b>	<b>3</b>	<b>29.3</b>	<b>9.8</b>	<b>117,200</b>	<b>29</b>

### 3. Actions to create a successful Energy Local Club

- Engage with a local community group to introduce Energy Local
- Ensure the local group maintains a watching brief for any new generation in this zone and engage to promote Energy Local.

### 4. Overall assessment

An Energy Local Club is potentially viable but limited generators reduce the likelihood of finding one who would join the Club. The generators are also all quite small, which while practically achievable, it does limit the size of the Club and creates only a small benefit to the generator and members.

Overall there is not enough electricity from a single generator to form a viable club.