

Bishops Castle Heat & Wind Project Case Study Volunteers Wanted

The Bishop's Castle heat network project has now secured funding for the next stage of feasibility studies. We are developing the relationship with SpArC and the Community College and are looking to determine sites for the solar panels and the energy centre.

We also plan to serve around 100 houses or small businesses in the centre of the town with heat. This heat will be low carbon and enable anyone connected to do away with their oil or LPG boiler and fuel tanks. The heat network will offer a discount on the equivalent price of oil heating plus protection from future price shocks.

We are looking to study five or six properties as part of this work.

We will look at,

- * Existing insulation, glazing etc and possible improvements to reduce energy use
- * Existing energy use, inc use of wood stoves etc
- * How the heat network could be connected into the property, including proposed location of a heat interface unit (HIU)
- * How the water is heated with consideration of need for a possible new hot water cylinder
- * Householder interest in the heat network and any concerns that need to be addressed.
- * Consideration of alternative sources of heat, eg individual heat pumps

An energy report will be issued to the occupiers of each property. An overall report showing the findings will also be prepared.



If you would like to be considered as one of the case studies, or have any questions regarding this, please see over for contact details.

lightfoot



Background to the Bishop's Castle Heat & Wind Project

This project is being developed by Lightfoot Enterprises, a local environmental charity, in partnership with Shropshire & Telford Community Energy (STCE). The heat network will serve the core of the town, including SpArC and the Community College. The heat will be delivered by air source heat pumps with reserve/top up oil boilers. To make the price of the heat competitive we need to develop community owned renewable energy alongside the heat network. We are looking at a 1MW wind turbine out on the road to Lydbury North along with 500 kW of ground mounted solar panels.



STCE have recently obtained £100k from the Community Energy Fund managed by the Midlands Net Zero Hub. This has enabled us to engage Sharenergy (Community Energy specialists) and Carbon Alternatives (heat network consultants) plus ecologists, landscape architects etc.

The heat and wind project now features in the Bishop's Castle Place Plan (with the unanimous support of the Town Council) so we can submit a planning application for the wind turbine (hopefully later in 2024). Ecology studies are being undertaken as part of the evidence required. We are also looking for a site for the solar panels.

To volunteer as a case study or if you have any questions please contact Project Manager Dave Green, dave@sharenergy.coop or text or leave a message on 07735 082417

See www.lightfootenterprises.org/climate-action/
Or www.stcenergy.org.uk/projects/