

A Heat Network for Shenstone



www.shenstone-heat.co.uk

By 2050 all Shenstone residents need to be on electric or renewable heating to meet the UK governments legally binding net-zero carbon targets.

Current home heating carbon emissions for Shenstone are around double the UK average at 4.2 tonnes CO₂ emissions per household.

Following an initial feasibility study Lichfield District Council and Shenstone Parish Council have commissioned decarbonisation experts HI Group to complete a detailed business case testing the viability of a Heat Network for Shenstone. South Staffs Water is assisting with the project.

What Is a Heat Network?

A heat network is a system that distributes warmth from a single, central source to multiple homes and buildings.



Instead of each home depending on its own gas boiler, the heat network uses a local source of low-carbon heat that might otherwise go unused.

Heat is transported efficiently through a network of underground pipes, delivering sustainable warmth while reducing both carbon emissions and air pollution.



Objective: to produce a blueprint for future installation

This comprehensive study will assess the viability of installing a heat network in the village, harnessing the natural ambient heat of the aquifer water beneath Shenstone as its source of energy.

The study will investigate the full techno- economic, financial, legal and commercial aspects of the project to provide a blueprint for potential future installation, and will include :

- **Cost comparison** – comparing existing household heating costs with the alternative Shenstone Heat Network heating costs. It will also propose energy costs for new build homes for future developments.
- **Identifying alternative renewable heat options** for Shenstone if a Heat Network is not financially viable for existing homes.

The project will make the Government, District Council and developers aware of any further support required to unlock the potential of the second most important aquifer in England.

Timeline

We plan to complete the project by **31 July 2025** delivering all the outcomes identified above.

Keeping you up to date

For further information and updates, please visit the website: www.shenstone-heat.co.uk
If you have any questions, please contact us at: hello@shenstone-heat.co.uk

A community event for all residents will be held on 16th July at the Cooper Room Community Centre, Main Street to present the results of the study and to answer any questions. Details and timings will be added to the website in due course.