

# Case Study

## Worthing Heat Network

# Supporting the decarbonisation of the public sector across Worthing



**Client:** Worthing Borough Council  
**Project status:** Detailed Project Development Stage  
**Timescales:** Construction, 2023 - 2025  
**Services provided:** Project Management

**Adur & Worthing Councils have declared a climate emergency and committed to become carbon neutral by 2030. A 10-year programme of decarbonisation has commenced, and with project management support of gbpartnerships manage, plans are in place to install a Heat Network across Worthing by 2025.**

The Worthing Heat Network aims to provide heating to council, NHS and privately owned buildings across the town centre using an innovative sewer source heat pump system. A sewer source heat pump has been assessed to provide the highest efficiency system using warm wastewater from domestic uses – such as showers, washing machines etc. This technology means that the buildings on the heat network no longer need to use their old, carbon-producing gas fired boilers, and instead benefit from a sustainable heat source.

Initially the Council was successful in securing BEIS, HNDU funding to undertake the feasibility and DPD stages of installing a Heat Network across Worthing. Subsequently, WBC has been successful in securing HNIP funding to develop the commercialisation stage of the heat network.



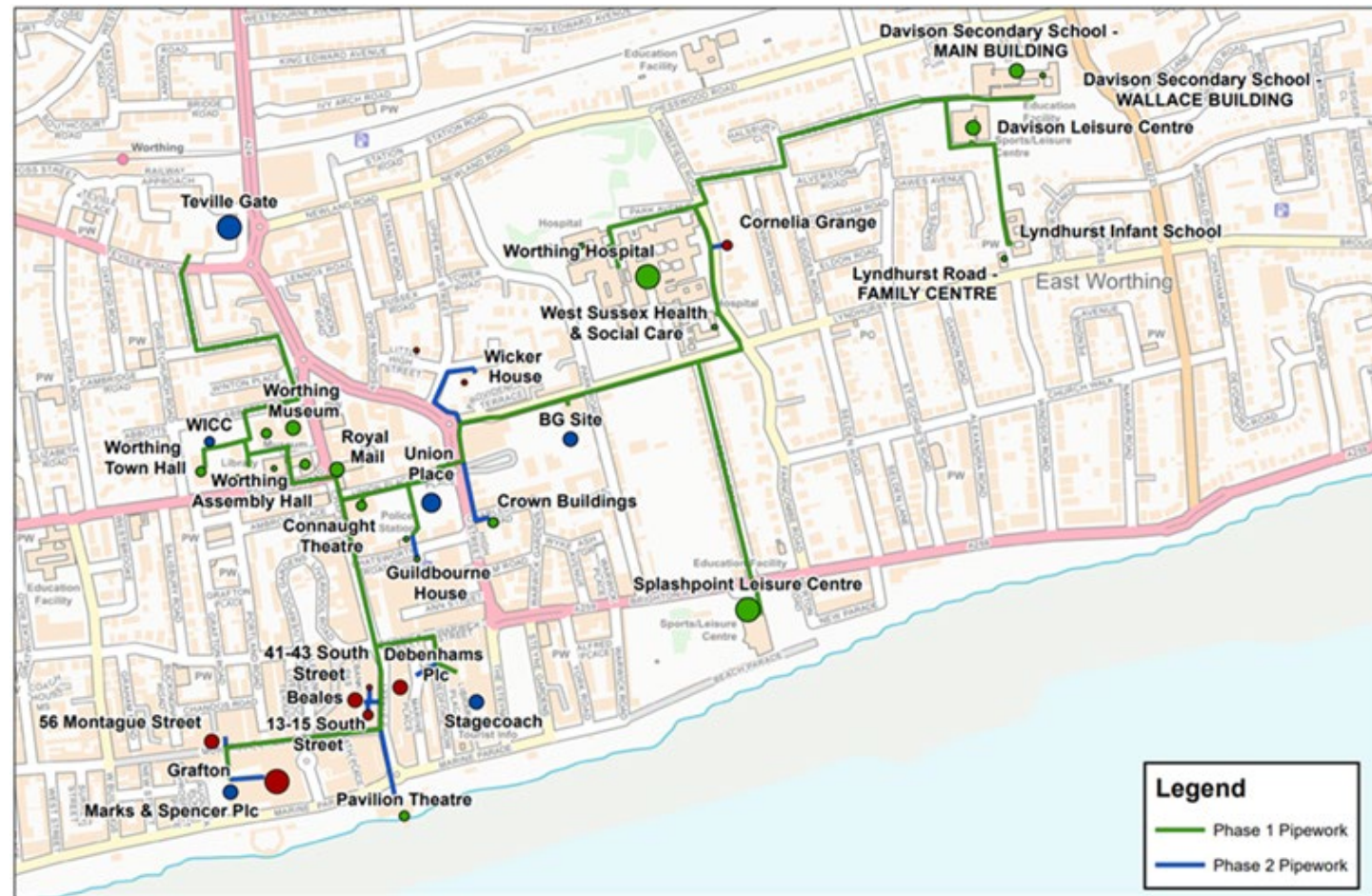
### Our Role:

- The Council have contracted with gbpartnerships to oversee the development of the Heat Network project.
- gbpartnerships has worked with the Council to project manage and procure the feasibility study and take that through to Detailed Project Development stage.
- With both the feasibility study and the Detailed Project Development stages completed on time and within budget, we have now moved onto the Commercialisation Stage.



### Impact:

- Exploration of a Heat Network for the Worthing Civic Quarter is a commitment in Platforms for Our Places (AWC's Corporate Plan), and SustainableAW (AWC's Sustainability Framework).
- The Heat Network Project will assist in the decarbonisation of the public sector across Worthing by 2030, reducing emissions by an estimated 2,500 tonnes CO2 a year once fully constructed.



“gbpartnerships have provided invaluable, high quality project management to the Worthing Heat Network Project, enabling a fast paced and expert approach to delivering this key strategic project for Worthing. The team have been excellent at negotiating through legal, procurement, interface with government, strategic partners and investors, and keeping the Project Team on track to hit our project milestones and KPIs.”  
Francesca Iliffe, Strategic Sustainability Manager, Adur & Worthing Councils

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There are currently over 14,000 heat networks in the UK, providing heating and hot water to approximately 480,000 consumers.

The Heat Networks Investment Project (HNIP) is a major Government project which will invest up to £320m of capital funding in heat network projects, leveraging around £1bn of private investment.

Heat Network technology takes water from a source of supply, before elevating that water's temperature by passing it through a heat pump prior to it being supplied into buildings to warm them via heat exchangers and where necessary a modified low temperature heating system.

Buildings on the Worthing Heat Network will no longer need to use their old, carbon-producing gas fired boilers, and instead benefit from a sustainable heat source.

