

ENERGY ON CLYDE



Welcome

Thank you for visiting our consultation event. Energy on Clyde Ltd is seeking feedback on its next project for their low-carbon district energy network in south Glasgow.

This planning application relates to new pipes and cabling under Renfrew Road and up to Hospital Boulevard to serve the Hospital, plus a back-up Energy Centre and supporting infrastructure.

Your views matter—please explore the exhibition and share feedback via our online or paper forms.

Delivered by Energy on Clyde Limited

We aim to provide affordable, secure heat and power for Glasgow's hospitals, universities, social housing and businesses—shielded from volatile fossil fuel markets. Our network will cut carbon emissions, reduce bills, create jobs and support achieving Scotland's net zero targets.

Powering the Network

Energy on Clyde will use waste heat from a local energy-from-waste facility, which will convert unrecyclable waste into reliable, low-carbon energy. This facility supports Scotland's landfill ban and is regulated by the Scottish Environmental Protection Agency (SEPA).

About Gren Energy Ltd

Energy on Clyde is part of Gren Energy, which delivers district heating to nearly 200,000 people across northern Europe. Since launching in the UK in 2023, Gren has invested around £200m with £100m more committed. Through Energy on Clyde, we plan a robust district energy network serving the city of Glasgow for at least the next 50 years.

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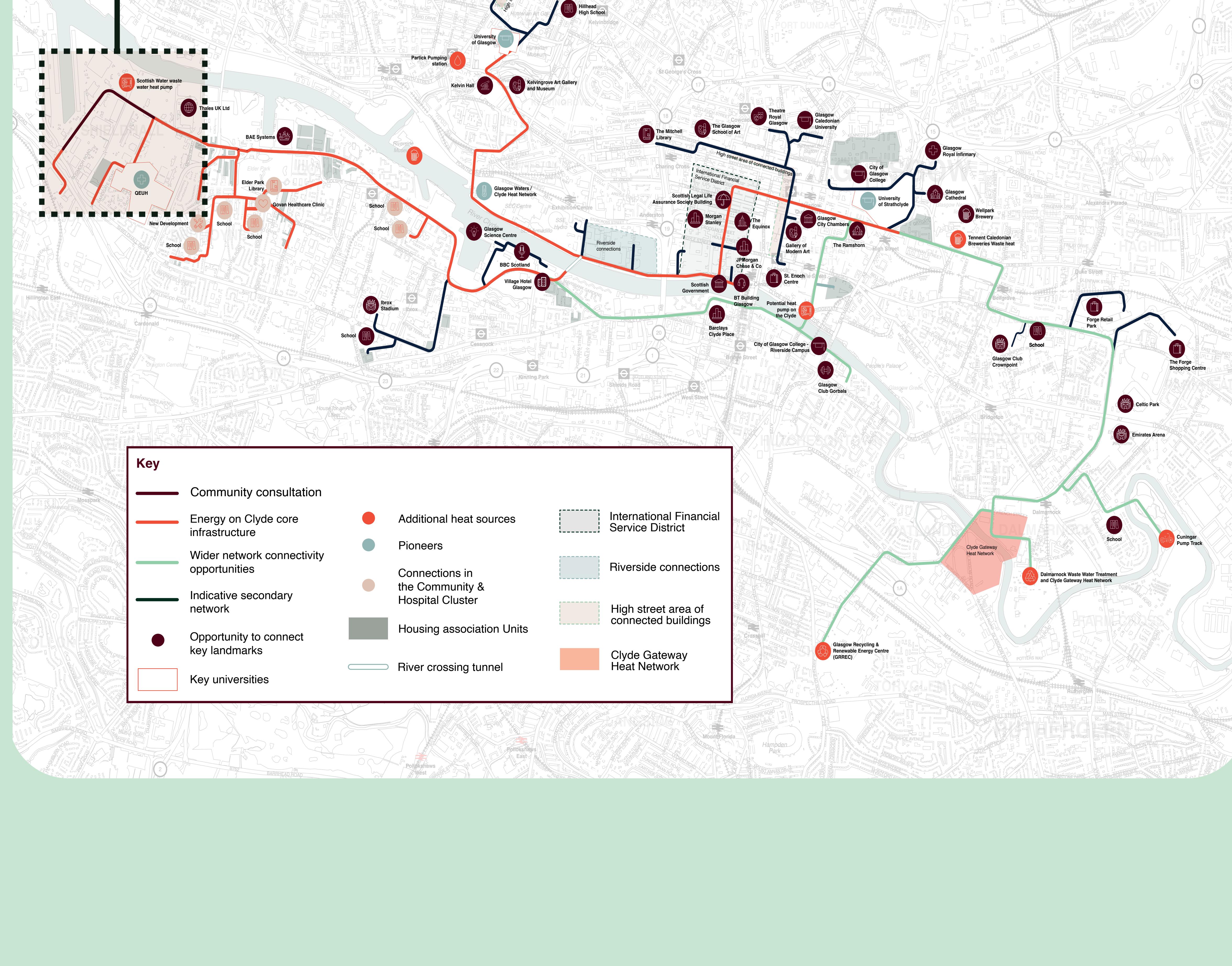
The Energy on Clyde Vision

This consultation focuses on the proposed planning application for the district energy network along Renfrew Road to Hospital Boulevard, providing low-carbon heat and power to the Queen Elizabeth University Hospital (QEUH).

Our ambition is to extend the network north of the Clyde into central Glasgow. The map shows its potential reach from 2030 onwards and future growth opportunities. Once major institutions such as QEUH, universities, and industrial sites are connected, smaller businesses and homes along the route will also be able to access low carbon heat.

Energy on Clyde is part of Gren's planned £500m investment in Glasgow, which is expected to deliver significant employment opportunities during both construction and operation.

It aims to cut fuel poverty and energy costs for hospitals, council buildings, social housing, and other public sector sites, offering energy cheaper than individual heat pumps and comparable to fossil gas.



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District Energy

Network

What is a District Energy Network?

A district energy network connects local heat and power sources to nearby buildings via shared underground infrastructure. Energy on Clyde's network distributes hot water through insulated pipes, with electricity supplied via private wire cables in the same trench. By generating and sharing energy locally, these networks cut waste, improve energy security, and support low-carbon communities.

How does a Heat Network work?

A heat network provides heating and hot water from a central source, replacing individual gas boilers. It's efficient, low-carbon, and helps lower energy costs, reducing fuel poverty. Homes connect via a Heat Interface Unit (HIU), a compact device that transfers heat quietly and efficiently—ideal for Glasgow's social housing tenements and flats.

Supporting Glasgow and Scotland's Decarbonisation

The Scottish Government aims to supply 6 TWh of heat through networks by 2030—equivalent to 490,000 homes. Energy on Clyde will help meet these targets and Glasgow's Local Heat and Energy Efficiency Strategy, which identifies energy-from-waste as a key low-carbon heat source, and heat networks as crucial mechanisms for decarbonising heat.

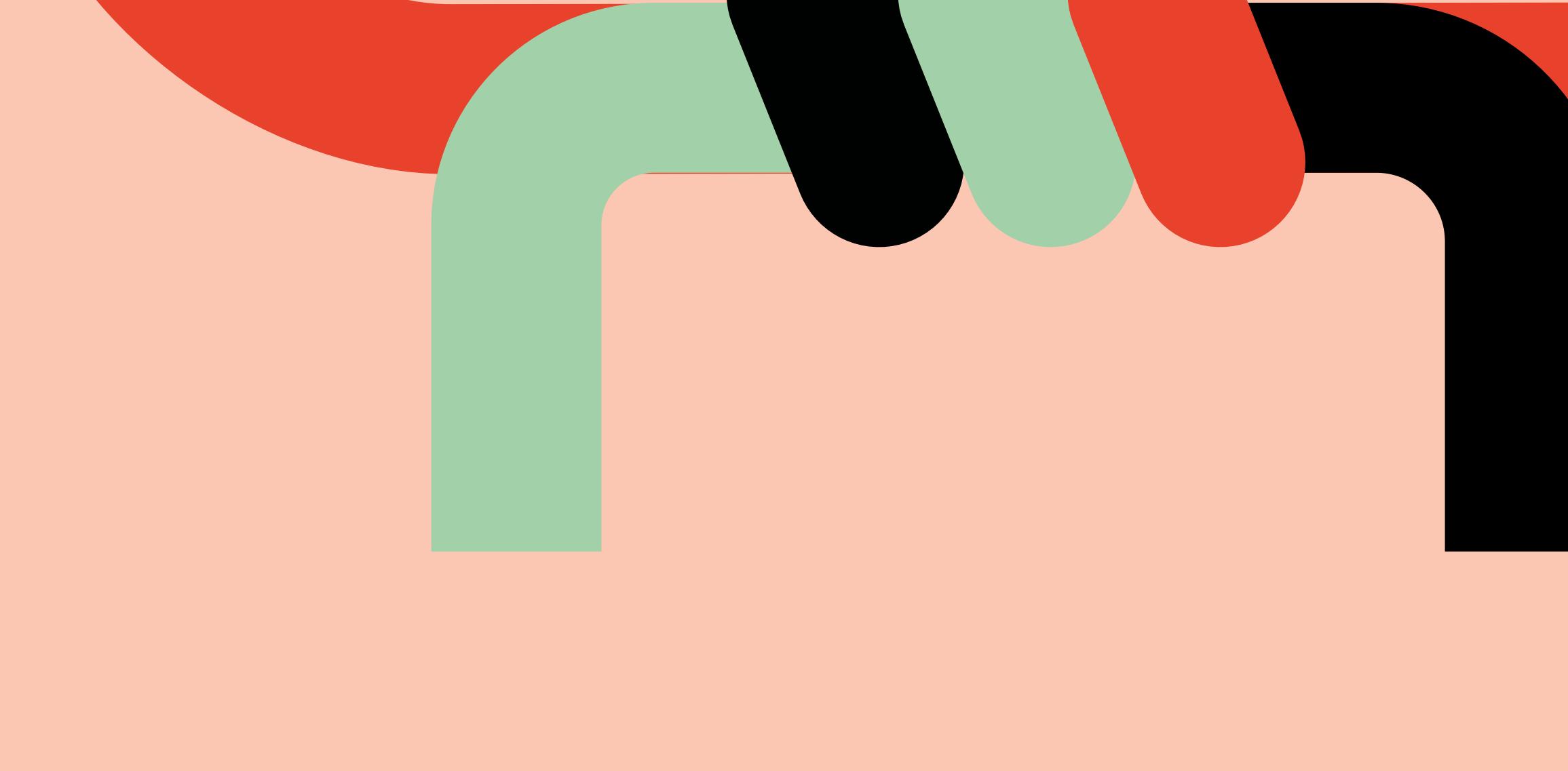
Using Glasgow's Waste to Power the City

The energy-from-waste facility powering Energy on Clyde will be operational towards the end of 2026, processing 350,000 tonnes of non-recyclable waste annually and generating electricity for the equivalent of up to 70,000 homes. Energy on Clyde will capture waste heat from this process to supply hospitals, universities, social housing, businesses, and other public institutions—supporting a circular economy for Glasgow.

Benefits of Heat Networks

Locally generated energy makes heat networks reliable and less exposed to global gas price shocks, offering stable, affordable costs. They also reduce carbon emissions and support Glasgow's net zero goals.

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Planning for the Future

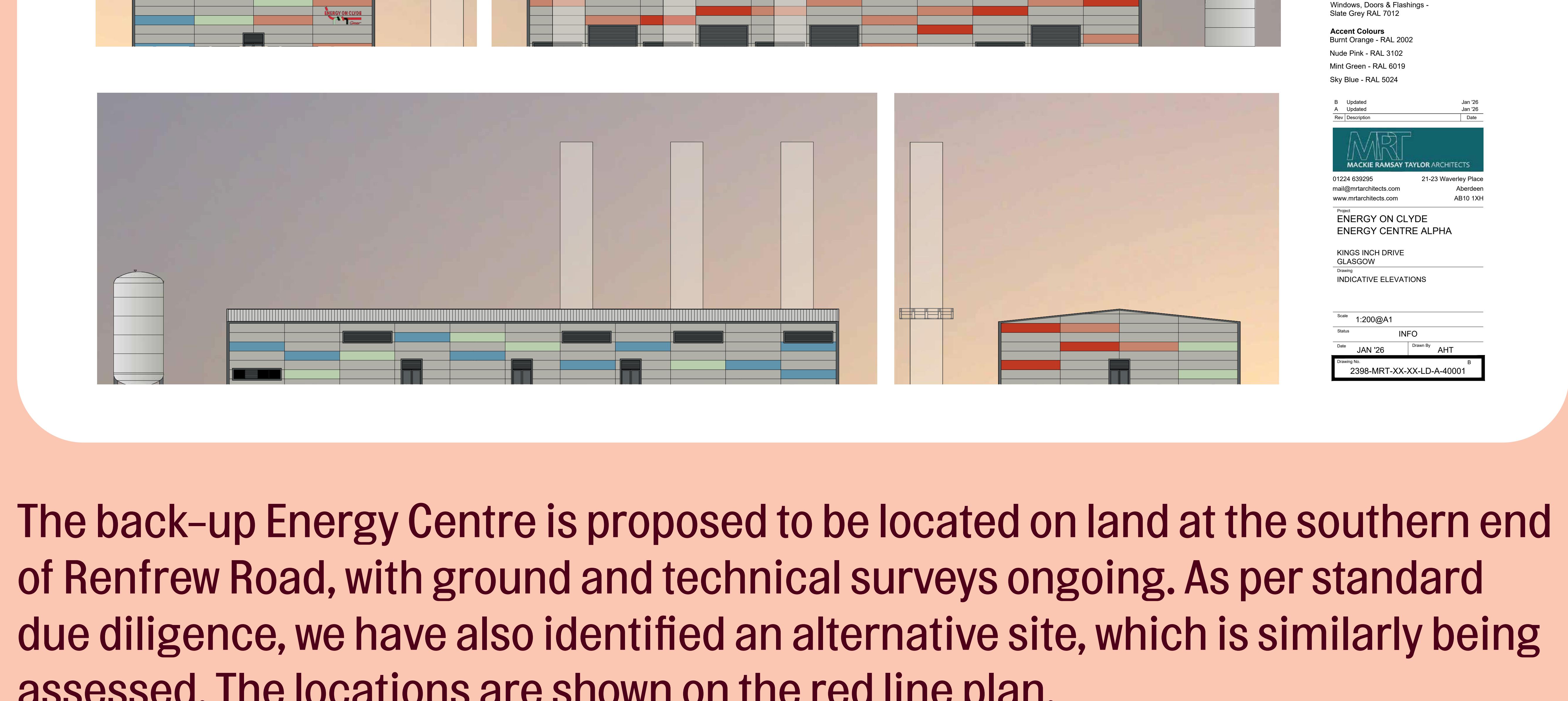
The Planning Application Proposals

The forthcoming planning application to which this consultation relates consists of:

- Continuation of the district energy network route following Renfrew Road and Hospital Boulevard, up to the Queen Elizabeth University Hospital (QEUEH); and,
- The construction of a back-up Energy Centre/Pumping Station to support the network.

We plan to be able to connect Energy on Clyde to QEUEH, providing affordable, reliable heat and power across the hospital site. The pipework will be sized to allow further connections and the expansion of the network in the future, allowing more businesses, buildings and homes to connect as the district energy network grows.

The Back-up Energy Centre – Evolving Design



The back-up Energy Centre is proposed to be located on land at the southern end of Renfrew Road, with ground and technical surveys ongoing. As per standard due diligence, we have also identified an alternative site, which is similarly being assessed. The locations are shown on the red line plan.

The facility will be built on a concrete foundation with a clad steel frame. Its proposed functional design and materials will reflect the industrial character of the surrounding area.

The building height will be limited to around 12 metres, with associated thermal stores and chimney reaching approximately 25 metres.

The back-up Energy Centre will house equipment required to distribute heat across the network, including pumps, valves, control systems and backup boilers. These boilers, with a combined capacity of around 20MW, will operate only if the primary heat supply from the energy from waste facility is unavailable.

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Proposed Network Route

The District Energy Network Pipe and Cable Route

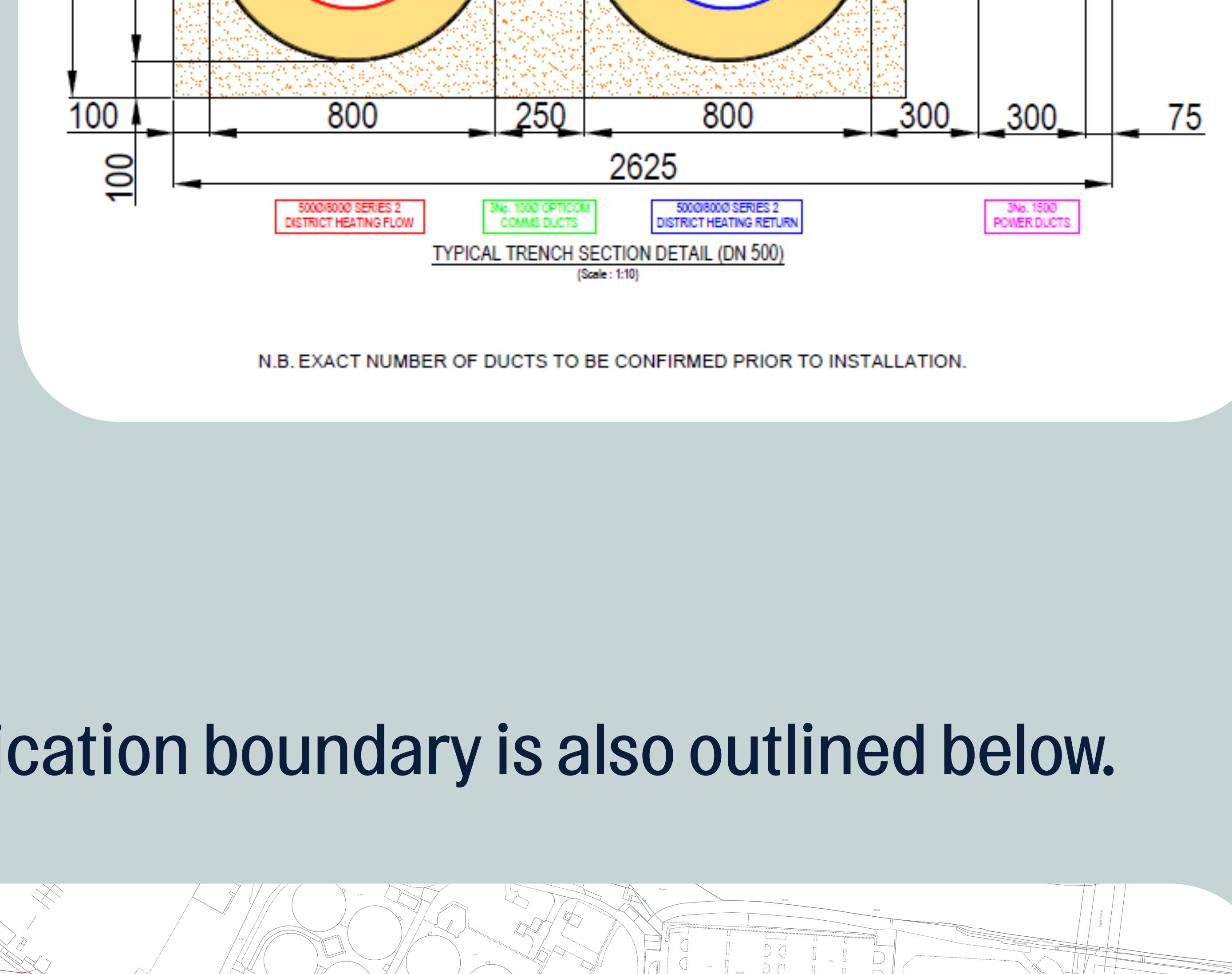
The pipe and cable route will run along Renfrew Road and Hospital Boulevard.

Trenches in the public highway (widest point approximately 2m) will be dug along the designated route to accommodate:

- Laying and welding pre-insulated pipes for heat distribution and return.
- Installing electrical cables to facilitate private wire connections to the Hospital.
- Fibre cables for controls/data.

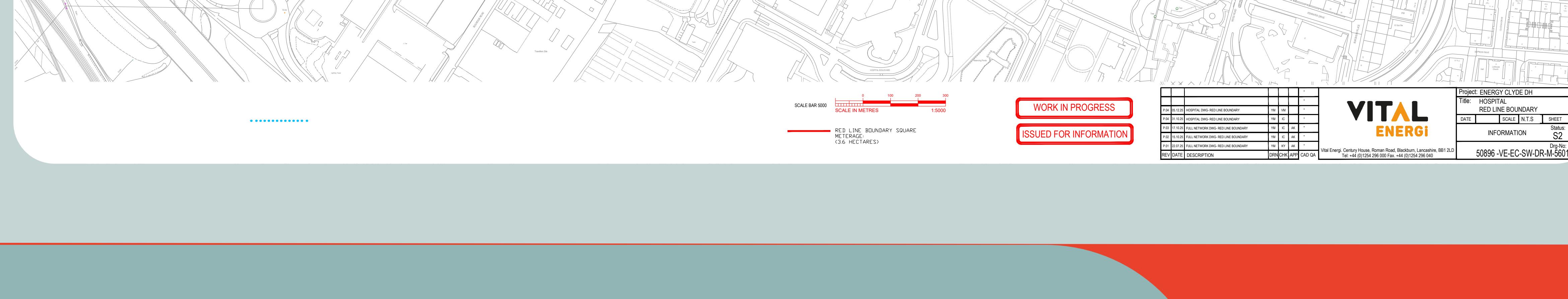
The District Heating Pipework and electrical cables will be installed simultaneously to optimise efficiency and minimise disruption. All affected surfaces – including roads, pavements and landscaping – will be backfilled and reinstated to their original condition.

We have included below a typical section of how the pipework and cabling will sit beneath the highway together with a photograph of the current installation of pipework on Bogmoor Road.



Red Line Plan

The proposed planning application boundary is also outlined below.



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Environmental

There are no expected significant environmental impacts given the scale and location of the proposed development. The planning application will include detailed environmental and technical assessments by specialist consultants to demonstrate this.

Ecology

This phase of the district energy network will be laid predominantly in public highways alongside existing utilities. The back-up Energy Centre will be on brownfield or low-value grassland with no protected habitats. Ecology and arboricultural surveys will confirm minimal impact.

Flood Risk

No fluvial (watercourse) flood risk exists along the route. Temporary surface water during construction of the trenches for the pipework will be managed. The proposed energy centre site locations are not considered to be at risk from flooding and will also be managed during construction.

Traffic Management

Construction impacts will be minor and temporary. Work will be phased to reduce disruption, with a traffic management plan developed in collaboration with Glasgow City Council and Transport Scotland. This plan will ensure that Blue-light hospital routes will remain unaffected and minimise disruption on commuting routes. A Transport Statement and Construction Method Statement will accompany the application.

Noise

Construction noise for installation of the pipework and construction of the energy centre will be kept to appropriate levels and managed through the construction method statement. Operational noise from the back-up Energy Centre will be mitigated through design and assessed by a specialist acoustician. Significant impacts are not anticipated.

Air Quality

Backup boilers will use gas, producing far lower emissions than solid fuel plants. Overall, the project supports heat-sector decarbonisation. An Air Quality Assessment will be submitted.

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Consultation

Process

- We are holding two consultation events before submitting our planning application to Glasgow City Council.
- The purpose of this first round of consultation is to inform the community of the details of the proposed development and to seek people's views and feedback on all aspects of it.
- Following our public consultation, we will prepare and submit a Pre-Application Consultation Report summarising the feedback received and how this has informed our final proposals prior to lodging our planning application.

Energy on Clyde Project Timeline



Project Team

Planning consultancy	Savills
Public relations/community consultation	Grayling Communications
Ground Investigation	Ian Farmer Associates
Noise & Vibration	RBA Acoustics
Air Quality Assessment	WRM Ltd
Flood Risk Assessment	Kaya Consulting
Arboriculture	Adam Reidi Tree Advisory Service
Ecology	Acorna
Architectural	Mackie Ramsay Taylor Architects
Structural	Ramsay & Chalmers
Traffic consultants	Class One Traffic Management

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Feedback

Your opinions are important to us! Please fill in a form and hand to a member of the public consultation team, or complete the corresponding online form at: www.energyonclyde.com

We will also be holding a second consultation event on 17th February at the Pearce Institute between 3-7pm.

You can also share your views by email at:
publicconsultation@energyonclyde.com

Following the pre-application public consultation process, an application for planning permission will be submitted in spring 2026. There will be the opportunity for interested parties to make formal comments on the proposals to the planning authority at that stage.

IMPORTANT NOTE: Any comments made at this pre-application stage do not constitute formal representations to the planning authority and would not be considered as part of any future planning application. There will be further opportunity to make representations to Glasgow City Council following submission of the planning application.

Please note that any data collected through your consultation feedback will only be used to help understand views regarding this major application for the section of pipe along Renfrew Road and the proposed Energy Centre. The data will not be used for any other purposes. The data will be collated and analysed to help in the reporting of consultation feedback.