

The opportunities for Leith:

- Low carbon heat network and reliable, renewable electricity where demand is greatest
- Potential to reduce the carbon footprint of the ongoing Waterfront developments
- Supply of low carbon energy to support the Scottish Government's vision for renewable energy industry manufacturing at the Port of Leith, identified in the National Renewables Infrastructure Plan Stage 2 report
- A catalyst for inward investment in Leith
- Capital investment of £600 million
- 450-700 construction jobs
- 75 permanent operational jobs for Leith
- Economic growth of £32 million per annum
(a calculation of Gross Added Value undertaken by Economists Roger Tym and Partners)
- Education and training opportunities
- Contracting opportunities for local businesses



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The proposed wood fuelled Combined Heat and Power Plant can deliver reliable, responsible, renewable heat and electricity to Leith and the surrounding area. **The plant will generate 200 megawatts of low carbon electricity, equivalent to 54% of the City of Edinburgh Council area's needs and 60 megawatts of low carbon renewable heat, capable of supplying surrounding businesses as well as being sufficient to power one of the largest heat networks in the UK.** Additionally, the plant will offer an opportunity to **drive new inward investment** from businesses that use large amounts of energy for heating or cooling, creating **an economic growth hub.**



Leith Renewable Energy Plant: Design Concept Source: Gordon Murray Architects

Leith - The Benefits

The regeneration of the Waterfront in Leith is ongoing, with development taking place at Western Harbour, and with existing plans in place for substantial commercial and residential developments in the area around Ocean Terminal, as well as a focus on the continuation and extension of the industrial use of the Port of Leith. The National Renewables Infrastructure Plan Stage 2 report's vision is for a renewables industry manufacturing hub at the Port of Leith. Forth Energy's proposed Combined Heat and Power Plant at the Port of Leith supports the potential for economic development that will arise from these developments, generating 200 megawatts of reliable low carbon electricity and 60 megawatts of low carbon heat, capable of supplying one of the largest heat networks in the UK. **The plant will generate energy for Edinburgh and Leith close to where the demand is greatest, and will support carbon reduction in the surrounding area.** Forth Energy has designed and identified the cost of an extensive heat network, and is in active discussions with potential customers with a view to agreeing the supply of heating and cooling from the plant.

The plant will bring a number of benefits to Leith and the Edinburgh area, including:

- Generation of reliable, renewable electricity and the development of a low carbon heat network in the Edinburgh and Leith area, able to supply residential, commercial, industrial and community uses.
- Potential to reduce the carbon footprint of the ongoing regeneration of the Waterfront, through the supply of low carbon renewable heat.
- Low carbon heat to support a renewable energy manufacturing hub at the Port of Leith, identified as the number one opportunity site for Scotland in the National Renewables Infrastructure Plan Stage 2 report.
- Opportunities to connect users in the surrounding area with significant heat or cooling loads to a heat network, reducing their carbon emissions and consequently their costs under the Carbon Reduction Commitment tax.
- A significant capital investment of £600 million in the Leith area.
- An average of 450 jobs, peaking at 700 jobs during the construction period.
- 45 operational jobs and 30 fuel handling jobs.
- Economic growth in the Leith area, as the plant will contribute £32 million per annum to the local economy. (a calculation of Gross Value Added undertaken by Economists Roger Tym and Partners)
- Education and training opportunities with linkages to universities and further education colleges.
- Contracting opportunities for local businesses.
- Highly efficient use of wood fuel to generate power and heat.

Leith - The Location

The plant's location at the Port of Leith allows **sustainably sourced wood fuel to be delivered directly by ship, the lowest carbon means of transportation. The fuel will be used for the generation of energy close to the centres of Leith and Edinburgh, where demand is greatest.** The proposed plant is located alongside Imperial Dock within the Port of Leith. The site covers 12 hectares.



Source: Gordon Murray Architects