

			<p>our ability to cope with environmental, economic or social 'shocks and stresses' while putting Bristol on course to be run entirely on clean energy by 2050.</p> <p>Diversified energy supply increases resilience.</p> <p>Reduce fuel poverty in the city by providing cheaper and resilient heat.</p>	
Consumption of non-renewable resources?	Yes	+ive	The installation of the network will reduce the consumption of fossil fuels.	<p>Procure resources in a sustainable manner; consider re-use and recycling of construction materials, look at using local contractors and suppliers to reduce travel impacts.</p> <p>Overall the positive effects of the heat networks when running will mitigate the impacts of the use of resources. Linking works to planned road works reduces the impacts of needing to dig up roads twice.</p>
		-ive	Resources will be used to construct infrastructure for heat networks	
Production, recycling or disposal of waste	Yes	-ive	Construction works will generate waste.	Ensure the waste hierarchy is applied to waste arising from construction. A waste management plan will need to be produced by the contractor. Ensure waste is disposed of legally and waste legislation is followed.
The appearance of the city?	Yes	+ive	Some new construction will be required,	Any new construction is likely to be subject to

			for example to house boiler plant. Where additional pipework is installed there will be improved surfacing following the construction works.	Bristol Planning Policy.
Pollution to land, water, or air?	Yes	-ive -ive	Construction works involving road closures may cause congestion and affect air quality. New boiler plant may generate emissions.	Link works with other necessary road works to reduce construction disruption and reduce the impacts of congestion and air quality. Any new construction is likely to be subject to Bristol Planning Policy.
Wildlife and habitats?	Yes	-ive/ +ive	Construction could affect existing wildlife	Ensure areas of construction do not affect any existing wildlife if being constructed on green land. May have to liaise with the council ecology officer if any works take place on existing green land. Urban environment means this impact is likely to be low/ not an issue.

Consulted with:

Nicola Hares - Environmental Project Manager
Bristol City Council Energy Service

Summary of impacts and Mitigation - to go into the main Cabinet/ Council Report

The significant impacts of this proposal are...

- A reduction in Greenhouse Gas Emissions (subject to number of connections)
- More resilience to heat supply in the city.
- Impacts from installation of new infrastructure:
- Possible highways disruption leading to temporary increase traffic congestion
- Waste from removal of existing plant and equipment
- Resources for manufacture and installation of new plant and equipment

The proposals include the following measures to mitigate the impacts:
Where possible, carry out works as part of BCC capital projects, ensure contractors are well managed and comply with relevant environmental legislation (For example waste legislation)

The net effects of the proposals are Positive

Checklist completed by:

Name:	Richard O'Reilly
Dept.:	Energy Infrastructure – Energy Service
Extension:	
Date:	21/06/2018
Verified by Environmental Performance Team	