

Eco Impact Checklist

Title of report: Bristol Heat Networks Update				
Report author: Paul Barker				
Anticipated date of key decision: 01/09/2020				
Summary of proposals:				
<p>The purpose of this report is to provide an update on the Special Purpose Vehicle (SPV) structure which was approved at Cabinet in March 2020. The SPV is required to receive grant funding from the Heat Network Investment Project (HNIP), for the continued development of the Bristol heat network programme.</p> <p>The creation of the SPV's also facilitates the creation of a competitive heat market consistent with the City Leap heat strategy.</p> <p>This report also requests a minor change to the delivery of the networks, provide cabinet with an update on the funding ratio of the heat networks and in relation to the council's other heat networks, seek approval to apply for further grant funding</p> <p>Cabinet Approval is sought to:</p> <ol style="list-style-type: none"> 1. Authorises the Chief Finance Officer (S.151 Officer), in consultation with the Cabinet Member for Finance, Governance and Performance to agree the terms of the previously approved prudential funding, to the SPV, via onward lending loan agreement, up to a maximum of £12.7m; 2. Notes the updates provided in this Cabinet report in relation to a single SPV, change in funding ratios (with no change to total capital cost or BCC loan value) and proposed onward grant agreement from the Council to the SPV (£10.2m); <p>Approve the early draw down of up to £0.24m (funded from already approved PL19 funds) for early heat network work on Bedminster and Temple (to include match funding against the HNDU grant and a bore hole survey) Authorise the Executive Director for Growth and Regeneration, in consultation with the Cabinet Member for Energy, the Cabinet Member for Finance, and the Chief Finance Officer, to apply for and accept HNDU government grant funding of up to £0.35m from the Department of Business, Energy & Industrial Strategy to facilitate the development of the Bedminster and Temple heat networks</p>				
Will the proposal impact on...	Yes/No	+ive or -ive	If Yes...	
			Briefly describe impact	Briefly describe Mitigation measures
Emission of Climate Changing Gases?	Yes	+ive	While the structure of the companies set out in the report has no direct environmental impact, the use of grant funding in excess of £10m will have significant impact on the development of the	

			heat network, which will deliver energy efficiency and low carbon heat to customers.	
Bristol's resilience to the effects of climate change?	Yes	+ive	While the structure of the companies set out in the report has no direct environmental impact, the use of grant funding in excess of £10m will have significant impact on the development of the heat network, which will improve the energy security and climate resilience of the city by generating heat from a diverse range of low and zero carbon sources at various locations within the city.	
Consumption of non-renewable resources?	Yes	+ive	While the structure of the companies set out in the report has no direct environmental impact, the use of grant funding in excess of £10m will have significant impact on the development of the heat network, which will reduce the use of mains gas (a non-renewable fossil fuel) by generating heat from a diverse range of low and zero carbon sources.	
Production, recycling or disposal of waste	Yes	-ive	While the structure of the companies set out in the report has no direct	Contractors will provide waste management plans and dispose of waste according to waste

			environmental impact, the use of grant funding in excess of £10m will have significant impact on the development of the heat network, which will create waste during the initial installation of pipes and energy centres.	legislation and the waste hierarchy. Works will be programmed to take place alongside other essential highway works to reduce overall waste.
The appearance of the city?	Yes	+ive/-ive	While the structure of the companies set out in the report has no direct environmental impact, the use of grant funding in excess of £10m will have significant impact on the development of the heat network, which will involve some construction works during the initial installation of pipes and energy centres. The completed energy centres will slightly change the appearance of the city, but it may be a positive or negative impact.	Any new construction is likely to be subject to Bristol Planning Policy.
Pollution to land, water, or air?	Yes	+ive	While the structure of the companies set out in the report has no direct environmental impact, the use of grant funding in excess of £10m will have significant impact on the development of the heat network, which will reduce the amount of gas burnt	

			to produce heat by generating heat from a diverse range of low and zero carbon sources.	
Wildlife and habitats?	Yes	-ive	While the structure of the companies set out in the report has no direct environmental impact, the use of grant funding in excess of £10m will have significant impact on the development of the heat network, which will involve some construction works during the initial installation of pipes and energy centres. This may damage habitats and affect wildlife.	<p>Ensure areas of construction do not affect any existing wildlife if being constructed in green spaces. Engage with BCC ecology officer to do an ecology survey. The urban environment means any impact is likely to be small.</p> <p>There is a need to comply with environmental permitting law, and any specific environmental legal and regulatory requirements concerning particular works in or near watercourses.</p> <p>Avoiding the disturbance of any contaminated river bed, and managing any invasive species present may be necessary for some works.</p>
Consulted with:				
Summary of impacts and Mitigation - <u>to go into the main Cabinet/ Council Report</u>				
<p>The significant impacts of this proposal are indirect, but include:</p> <ul style="list-style-type: none"> • A reduction in greenhouse gas emissions • More resilience to heat supply in the city by using a diverse range of heat sources. • Low carbon heat supply which will aid with achieving carbon neutrality • Possible highways disruption during installation, leading to a temporary increase traffic congestion • Waste from removal of existing plant and equipment • Resources for the manufacture and installation of new plant and equipment. • Works on or near water. 				

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 (such as waste legislation).

The net effects of the proposals are positive.

Checklist completed by:

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Date:	10/08/2020
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