

Eco Impact Checklist

Title of report: Electricity sleeving and supply extensions				
Report author: David Gray				
Anticipated date of key decision 6th June 2023				
Summary of proposals: to extend Bristol City Council (BCC) electricity sleeving and supply contracts for up to 18 months whilst development work takes place to set up the previously approved Sleeved Pool supply mechanism in conjunction with Bristol City Leap (BCL).				
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	<p>The current supply arrangements enable 36% of BCC electricity demand to be met from zero-carbon electricity, supplied from BCC's own wind turbines and solar farm, which includes BCC directly surrendering its own REGOs.</p> <p>Since demand will not always match supply, the balance of BCC demand will be met from other grid supplies. In the current arrangements, these are not 100% renewable (contractually). The latest supplier fuel mix disclosures are not yet available, 21/22 data indicates a 40% - 50% renewable component, but this is expected to increase.</p>	Depending on the length and extent of extensions adopted, it is intended to move at least 4%, and potentially up to 30% more of BCC electricity demand in to the current sleeving arrangement, increasing the proportion of BCC electricity supply met from zero-carbon sources. BCL are looking to add further solar generation on suitable council-owned land and rooftops, as well as land and rooftops owned by third parties.
Bristol's resilience to the effects of climate change?	Yes	+ive	The expansion of local renewable generation	

			contributes to more evenly distributed electricity generation, which will be collectively more resilient to the impacts of climate change than a small number of large power stations.	
Consumption of non-renewable resources?	No			
Production, recycling or disposal of waste	No			
The appearance of the city?	No		Future solar projects that contribute to the sleeving pool may affect the appearance of the city, but this is outside of the scope of this decision.	
Pollution to land, water, or air?	No			
Wildlife and habitats?	No		Future solar projects on land that contribute to the sleeving pool may affect the biodiversity of habitats either favourably or unfavourably, but this is outside of the scope of this decision.	

Consulted with:

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

The significant impacts of this proposal are to maintain reductions in carbon emissions related to BCC's electricity demand by meeting a proportion of this requirement using BCC's own wind turbines and solar farm.

BCC's own generation is not sufficient to meet all BCC electricity demand. Proposals are in development to significantly expand the pool of available generation. In the short term, the extensions proposed to current arrangement include options to increase the amount of BCC electricity demand met by 'sleeving', if this can be accompanied by increases in the amount of local generation that could be made available to meet BCC requirements.

The net environmental effects of the proposals are likely to be beneficial in reducing demand for electricity generated from fossil fuels. This will achieve a fully renewable electricity supply for the council by 2025/26, which is slightly less rapidly than previously planned.

Checklist completed by:

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Verified by Environmental Performance Team	Giles Liddell, Project Manager - Environmental