

Eco Impact Checklist

Title of report: Appointment of Preferred Bidder for the City Leap Energy Partnership				
Report author: David White				
Anticipated date of key decision: 5th April 2022				
Summary of the Proposals				
<p>To seek authority from Cabinet to:</p> <ul style="list-style-type: none"> finalise arrangements for the City Leap Energy Partnership with Ameresco Limited to implement City Leap, and approve matters in relation to the transition phase of the City Leap Energy Partnership. <p>Over the first five years of the Partnership, delivering or facilitating [a minimum of]:</p> <ol style="list-style-type: none"> £424m in low carbon energy infrastructure, including heat networks, renewable energy, heat pumps, energy efficiency and EV charging; c140,000 tonnes of carbon savings; c182MW of zero carbon energy generation. 				
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>This is the largest carbon reduction project ever undertaken by the city council.</p> <p>The first 5 years of the partnership will save a predicted 140,000 tonnes of carbon emissions from Bristol.</p>	
Bristol's resilience to the effects of climate change?	No		The partnership is not anticipated to have a material effect on the city's resilience to the impacts of climate change such as hotter weather or flood risk.	
Consumption of non-renewable resources?	Yes	+ive	<p>The partnership plans to invest £424m in low carbon energy infrastructure which will reduce the use of fossil fuels.</p> <p>In developing this infrastructure there will be carbon emissions, for example steel to produce district heating pipes.</p> <p>The net effect will be positive.</p>	The partnership should actively manage the resource consumption and embodied carbon footprint of its construction.
Production, recycling or disposal of waste	Yes	-ive	The construction of infrastructure will generate waste.	The partnership should actively manage and minimise the waste produced from its

				construction
The appearance of the city?	Yes		The installation of new energy infrastructure and improvement of buildings may lead to changes in the appearance of the city. It is not possible to say if these are positive or negative.	Significant visible changes are only likely to arise from projects which will require planning permission and visual changes can be managed through this process.
Pollution to land, water, or air?	Yes	+ive	The reduced burning of gas to heat buildings will reduce air pollution in the city. The reduced extraction of fossil fuels will reduce pollution at those extraction locations, processing facilities and from transportation.	
Wildlife and habitats?	Yes	+ive	As above, the reduced use of fossil fuels will benefit wildlife and some infrastructure projects will result in biodiversity net-gain, either through the legal requirements of the planning system or through the voluntary action of the partnership.	Significant adverse impacts on wildlife and habitats are only likely to arise from projects which will require planning permission and impacts can be managed through this process.
		-ive	Some construction projects may result in damage to wildlife and habitats.	

Consulted with: Alex Minshull, Sustainable City and Climate Change Manager

Summary of impacts and Mitigation

The significant impacts of this proposal are...

The construction of a substantial amount of new low carbon energy infrastructure which will generate waste and consume non-renewable resources. The overall effect of the proposals will be a substantial reduction in carbon dioxide emissions from the burning of fossil fuels which we would anticipate being much greater than the impacts from construction.

The proposals include the following measures to mitigate the impacts...

To manage the environmental impacts of construction in line with good industry practice and where relevant the council's planning policies.

This is the largest carbon reduction project the city council has undertaken. The net effects of the proposals are very positive.

Checklist completed by:

Name:	David White
Dept.:	Energy Service
Extension:	

2022 04 05 City Leap Energy Partnership
Appendix F – ECO Impact Assessment

Date:	24/03/22
Verified by Environmental Performance Team	Alex Minshull