

## Eco Impact Checklist

<b>Title of report: Traffic Signal &amp; ITS maintenance supply and installation contract 2022</b>				
<b>Report author: Duncan Venison</b>				
<b>Anticipated date of key decision June 2020</b>				
<b>Summary of proposals:</b> To procure a new Traffic Signals maintenance, supply and installation contract from July 2022.				
As part of the contract documentation Bristol City Council is the lead Authority in a Joint Arrangement with B&NES, South Gloucestershire and North Somerset Councils for the maintenance, supply and installation of traffic signal equipment.				
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	Since the new equipment has been installed in the control centre. This equipment will be more energy efficient and reliable than the current equipment. So not only using less electricity will also reduce delay at junctions caused by faults. These faults cause congestion and therefore additional pollution and fuel consumption. The solution will ensure that faults are passed quickly and reliably for repair.	Using luminaires, lamps or light sources that exceed minimum luminaire efficacies. We will encourage the use of dimming and metering to ensure that energy consumption of a particular lighting installation can be optimised and monitored in real time.
Bristol's resilience to the effects of climate change?	Yes	+ive	Due to the new improved network management this will minimise the air quality and carbon emissions caused by congestion as a result of traffic signal faults.	N/A
Consumption of non-renewable resources?	Yes	Both	New hardware will be installed, which will use some non-renewable resources. However, due to the improved highway management this will reduce congestion, and the resulting wasted fuel.	The procurement will specify that the disposal of old equipment be environmentally sound and that new equipment be energy efficient
Production, recycling or	Yes	-ive	Any construction works will	Any reusable old

disposal of waste			produce some waste due to the removal of obsolete equipment Refurbishing old sites to new ELV (extra low voltage) equipment with LED aspects.	equipment from site refurbishments is recycled by the contractor as maintenance spares for other old sites still in operation.
The appearance of the city?	No	N/A	Any new equipment will replace existing on a like for like basis	N/A
Pollution to land, water, or air?	Yes	+ive	The project should reduce congestion caused as result of traffic signals faults and therefore fuel consumption/ air quality issues. A reduction in traffic signal faults may also help to avoid localised spikes in air pollution, as well as reducing congestion and carbon emissions.	Improved technology and reliability reduces faults at signal sites and delays to traffic Improved technology for sustainable modes of transport also encourages people to change from private car usage e.g dedicated cycle signals and detection, bus priority, improved pedestrian design.
Wildlife and habitats?	No	N/A	Any new traffic signals will replace existing. So will not require any extra building works. Should additional sites be installed as part of wider project that project should be subject to Eco assessments.	N/A

**Consulted with:** Environmental Performance Team

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

The significant impacts of this proposal are...

- Electrical consumption should remain the same or decrease.
- The scheme will use some non-renewable resources.
- The scheme will produce some waste.

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

- Electrical requirements will be a significant factor in selecting the equipment installed.
- Waste will be responsibly disposed of or recycled.

The net effects of the proposals are positive	
<b>Checklist completed by:</b>	
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Date:	April 2020
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