

## Eco Impact Checklist

<b>Title of report:</b> Capacity-increasing extension to Flax Bourton Public and Forensic Mortuary				
<b>Report author:</b> Yvonne Dawes, Head of Service: Statutory Registration				
<b>Anticipated date of key decision:</b> 22 <sup>nd</sup> June 2021				
<b>Summary of proposals:</b> It is proposed to extend the body reception area of the mortuary to roughly double the number of deceased patients that can be accommodated at any one time. The building will be the addition of long-term modular buildings.				
Will the proposal impact on...	Yes/No	+ve or -ve	If Yes...	
			Briefly describe impact	Briefly describe Mitigation measures
Emission of Climate Changing Gases?	Yes	-ve	Extension of the building will likely increase CO2 emissions associated with the whole lifecycle of the proposal – i.e. through the selection of materials, the construction of the building, the operation and maintenance of the building once complete, and at the end of the building's life when it needs to be disposed of.	<p>In designing the extension, the impacts of the whole lifecycle of the proposal will be considered, and steps taken to reduce CO2 emissions at each stage.</p> <p>Solar PV will be incorporated (if suitable) at roof level, reducing electricity demand.</p> <p>Low energy lighting will be installed</p> <p>Refrigeration will be modular or subdivided as far as practicable, so that it minimises cold air escape when doors are open (such as a door within door system) and allows refrigeration plant to be switched off at times of low demand.</p> <p>Refrigeration and air conditioning equipment will contain refrigerant gases with the lowest global warming potentials that are effective and safe.</p>

			There is potential for leakage of refrigerant gases, which can have significant global warming potentials.	
Bristol's resilience to the effects of climate change?	No			The building will be located on the existing hardstanding area.
Consumption of non-renewable resources?	Yes	-ve	<p>The proposal will result in an increase of the electricity and gas consumption of the site. This increase is expected to be relatively small.</p> <p>There will be a slight increase in water use, since there will be more spaces to keep clean.</p>	<p>The most energy efficient building fabric and equipment will be used, and we are proposing to incorporate solar panel into the roof (subject to an assessment of their suitability).</p> <p>High levels of refrigeration equipment insulation will be included in the specification.</p>
Production, recycling or disposal of waste	Yes	-ve	<p>Very small increase in clinical waste produced (only clinical waste will be generated in this area during its operation).</p> <p>Waste will be generated during construction of the building.</p>	<p>Where waste needs to be disposed of ensure legally compliant contractors are used (Bristol Waste are the Bristol City Council contractor) and that waste paperwork is obtained.</p> <p>Building contractors will be instructed to recycle construction-related waste, where possible.</p>
The appearance of the city?	No			
Pollution to land, water, or air?	No			
Wildlife and habitats?	No		The extension will be built in what is currently hardstanding, so there will be no ecological impact.	

**Consulted with:**

N/A

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

This proposal will not result in any significant negative impact to the environment – the impact will be limited to embodied carbon emissions in the materials and products used and the increase in power consumption required to power the building (lighting, HVAC) and the equipment within (refrigerated/freezer body storage units).

The building will be well insulated, utilise energy efficient lighting and require no heating. Solar panels will be fitted to attenuate the additional non-renewable power consumption. Refrigeration will be well insulated, minimise cold air escape when doors are open, allow for switching off isolated sections during periods of low demand and use refrigerant gases with a very low global warming potential.

It is also intended that at least one electric car charging point and secure bicycle parking will be included in the project.

Grants available for solar panels, car charging points and bicycle parking will need to be determined.

The net effects of this proposal will be a relatively small increase in the power consumption of the Flax Bourton site.

**Checklist completed by:**

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