



# Environmental Impact Assessment [version 1.0]

<b>Proposal title: Upgrade of Electrical power supplies Amphitheatre</b>		
<b>Project stage and type:</b> <input type="checkbox"/> Initial Idea Mandate <input type="checkbox"/> Outline Business Case <input checked="" type="checkbox"/> Full Business Case		
<input type="checkbox"/> Policy <input type="checkbox"/> Strategy <input type="checkbox"/> Function <input checked="" type="checkbox"/> Service	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Changing
<input type="checkbox"/> Other [please state]	<input type="checkbox"/> Already exists / review	
<b>Directorate: Growth and Regeneration</b>	<b>Lead Officer name: Shaun Taylor</b>	
<b>Service Area: Highways and Traffic</b>	<b>Lead Officer role: Head of Highways and Traffic</b>	

## Step 1: What do we want to do?

The purpose of this Environmental Impact Assessment is to help you develop your proposal in a way that is compliant with the council's policies and supports the council's strategic objectives under the [One City Climate Strategy](#), the [One City Ecological Emergency Strategy](#) and the latest [Corporate Strategy](#).

This assessment should be started at the beginning of the project proposal process by someone with a good knowledge of the project, the service area that will deliver it, and sufficient influence over the proposal to make changes as needed.

It is good practice to take a team approach to completing the Environmental Impact Assessment. See further [guidance](#) on completing this document. Please email [environmental.performance@bristol.gov.uk](mailto:environmental.performance@bristol.gov.uk) early for advice and feedback.

### 1.1 What are the aims and objectives/purpose of this proposal?

Briefly explain the purpose of the proposal and why it is needed. Please use plain English, avoiding jargon and acronyms.

The project is to upgrade/replace the existing electrical supplies at the Amphitheatre site, which will remove the requirement for generators to run the event electrics and only be required as a back-up power source. This will reduce carbon emissions.

### 1.2 Will the proposal have an environmental impact?

Could the proposal have either a positive or negative effects for the environment now or in the future? If 'No' explain why you are sure there will be no environmental impact, then skip steps 2-3 and request review by sending this form to [environmental.performance@bristol.gov.uk](mailto:environmental.performance@bristol.gov.uk)

If 'Yes' complete the rest of this assessment.

Yes  No [please select]

This proposal will have a positive impact on the environment as it will reduce carbon emissions and improve the air quality due to the non-reliance on generators. Generators will only be onsite as a backup option if the electricity supply fails. The electricity supply is sourced from green energy sources.

### 1.3 If the proposal is part of an options appraisal, has the environmental impact of each option been assessed and included in the recommendation-making process?

If 'Yes' please ensure that the details of the environmental impacts of each option are made clear in the pros and cons section of the [project management options appraisal document](#).

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not applicable	[please select]
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If 'No' explain why environmental impacts have not been considered as part of the options appraisal process.

## Step 2: What kinds of environmental impacts might the project have?

Analysis of impacts must be rigorous. Please demonstrate your analysis of any impacts of the proposal in this section, referring to evidence you have gathered. See detailed [guidance documents](#) for advice on identifying potential impacts.

### Does the proposal create any benefits for the environment, or have any adverse impacts?

Outline any potential benefits of the proposal and how they can be maximised. Identify how the proposal will support our corporate environmental objectives and the wider [One City Climate and Ecological Emergency strategies](#).

Consider how the proposal creates environmental impacts in the following categories, both now and in the future. **Reasonable efforts should be made to quantify stated benefit or adverse impacts wherever possible.**

Where the proposal is likely to have a beneficial impact, consider what actions would enhance those impacts. Where the proposal is likely to have a harmful impact, consider whether actions would mitigate these impacts.

Enhancements or mitigation actions are only required when there is a likely impact identified. Remember that where enhancements or mitigation actions are listed, they should be assigned to staff and appropriately resourced.

<b>GENERAL COMMENTS</b> (highlight any potential issues that might impact all or many categories)		
The proposal will create benefits for the environment by reductions in emissions being the major benefit. There is also a reduction in the risk of diesel spills when refilling generators and a reduction in the need for large plant to accommodate large generators.		
<b>ENV1 Carbon neutral: Emissions of climate changing gases</b>  BCC has committed to achieving net zero emissions for its direct activities by 2025, and to support the city	<b>Benefits</b>	Reduction of emissions from generators running event electrical supplies, reducing the need for transport and delivery if generators and diesel into the city centre to service events, resulting in a reduction traffic congestion and improving air quality. In addition, some electricity used by the council is renewable zero carbon electricity that has been generated in Bristol. It is expected that 100% renewable energy is sourced in future

<p>in achieving net zero by 2030.</p> <p>Will the proposal involve transport, or the use of energy in buildings? Will the proposal involve the purchase of goods or services? If the answer is yes to either of these questions, there will be a carbon impact.</p> <p>Consider the scale and timeframe of the impact, particularly if the proposal will lead to ongoing emissions beyond the 2025 and 2030 target dates.</p> <p><a href="#">Further guidance</a></p> <p><input type="checkbox"/> <b>No impact</b></p>		
	<b>Enhancing actions</b>	
	<b>Persistence of effects:</b> <input type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input checked="" type="checkbox"/> 5+ years	
	<b>Adverse impacts</b>	Minor additional emissions due to the installation of the infrastructure
	<b>Mitigating actions</b>	The contractor will be asked when tendering whether it can provide a plan to minimise travel, use low emission plant and machinery, source low emission materials and work smarter to minimise emissions from the installation works.
<b>Persistence of effects:</b> <input checked="" type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years		
<p><b>ENV2 Ecological recovery: Wildlife and habitats</b></p> <p>BCC has committed to 30% of its land being managed for nature and to halve its use of pesticides by 2030.</p> <p>Consider how your proposal can support increased space for nature, reduced use of pesticides, reduce pollution to waterways, and reduce consumption of products that undermine ecosystems around the world.</p> <p>If your proposal will directly lead to a reduction in habitat within Bristol, then consider</p>	<b>Benefits</b>	Provide better air quality, reduce marine pollution from possible diesel spills by not requiring the use of generators or needing to refill generators. On site power will eliminate the need for transported delivery of generators and fuel into the city, which in turn will have positive impacts on traffic congestion and air quality.
	<b>Enhancing actions</b>	
	<b>Persistence of effects:</b> <input checked="" type="checkbox"/> 1 year or less <input type="checkbox"/> 1 – 5 years <input type="checkbox"/> 5+ years	
	<b>Adverse impacts</b>	Minimal impact from the installation of the infrastructure

<p>how your proposed mitigation can lead to a biodiversity net gain. Be sure to refer to quantifiable changes wherever possible.</p> <p><a href="#">Further guidance</a></p> <p><input type="checkbox"/> No impact</p>	<p><b>Mitigating actions</b></p>	
<p>Persistence of effects: <input checked="" type="checkbox"/> 1 year or less      <input type="checkbox"/> 1 – 5 years      <input type="checkbox"/> 5+ years</p>		
<p><b>ENV3 A cleaner, low-waste city: Consumption of resources and generation of waste</b></p> <p>Consider what resources will be used as a result of the proposal, how they can be minimised or swapped for less impactful ones, where they will be sourced from, and what will happen to any waste generated</p> <p><a href="#">Further guidance</a></p> <p><input type="checkbox"/> No impact</p>	<p><b>Benefits</b></p>	<p>Helping event organisers meet carbon neutral event targets.</p>
<p><b>Enhancing actions</b></p>		
<p>Persistence of effects: <input type="checkbox"/> 1 year or less      <input type="checkbox"/> 1 – 5 years      <input type="checkbox"/> 5+ years</p>		
<p><b>Adverse impacts</b></p>	<p>There will be a small amount of waste arising from installation works and packaging of products.</p>	
<p><b>Mitigating actions</b></p>	<p>The contractor will be asked during tendering to submit a plan to minimise waste from works on site, including avoiding trenching where possible, or backfilling using existing materials, selecting products and materials that will reduce lifecycle waste, recycling packaging, legal disposal of waste and a low waste working methodology.</p>	
<p>Persistence of effects: <input checked="" type="checkbox"/> 1 year or less      <input type="checkbox"/> 1 – 5 years      <input type="checkbox"/> 5+ years</p>		
<p><b>ENV4 Climate resilience: Bristol's resilience to the effects of climate change</b></p> <p>Bristol's climate is already changing, and increasingly frequent instances of extreme weather will become more likely over time.</p> <p>Consider how the proposal will perform during periods of extreme weather</p>	<p><b>Benefits</b></p>	
<p><b>Enhancing actions</b></p>		
<p>Persistence of effects: <input type="checkbox"/> 1 year or less      <input type="checkbox"/> 1 – 5 years      <input checked="" type="checkbox"/> 5+ years</p>		

<p>(particularly heat and flooding).</p> <p>Consider if the proposal will reduce or increase risk to people and assets during extreme weather events.</p> <p><a href="#">Further guidance</a></p> <p><input type="checkbox"/> No impact</p>	<p><b>Adverse impacts</b></p>	<p>Minor impact due to plant onsite when installing the infrastructure.</p>
	<p><b>Mitigating actions</b></p>	<p>Reduce plant wherever possible and minimise use of plant. Use carbon reducing plant, such as electric vehicles and electric plant, wherever possible.</p>
	<p><b>Persistence of effects:</b>    <input checked="" type="checkbox"/> 1 year or less                      <input type="checkbox"/> 1 – 5 years                      <input type="checkbox"/> 5+ years</p>	
<p><b>Statutory duty: Prevention of Pollution to air, water, or land</b></p> <p>Consider how the proposal will change the likelihood of pollution occurring to air, water, or land and what steps will be taken to prevent pollution occurring.</p> <p><a href="#">Further guidance</a></p> <p><input type="checkbox"/> No impact</p>	<p><b>Benefits</b></p>	<p>Reduction of fuel spills, improved air quality due to reduction of generators and plant to accommodate generators</p>
	<p><b>Enhancing actions</b></p>	
	<p><b>Persistence of effects:</b>    <input checked="" type="checkbox"/> 1 year or less                      <input type="checkbox"/> 1 – 5 years                      <input type="checkbox"/> 5+ years</p>	
	<p><b>Adverse impacts</b></p>	<p>Minor risk of pollution when working with vehicles and plant alongside a watercourse.</p>
	<p><b>Mitigating actions</b></p>	<p>Contractors will be asked when tendering to produce a plan to minimise the pollution risk when working near the Floating Harbour. This will include minimising the quantity of plant and vehicles, controlling vehicle movements on site, and controlling the storage and use of any liquid chemicals, paints or fuels. It will be determined whether a permit will be required from the Environment Agency to work near water. If it is needed, a permit covering these works will be obtained.</p>
<p><b>Persistence of effects:</b>    <input checked="" type="checkbox"/> 1 year or less                      <input type="checkbox"/> 1 – 5 years                      <input type="checkbox"/> 5+ years</p>		

### Step 3: Action Plan

Use this section summarise and assign responsibility for any actions you have identified to improve data, enhance beneficial, or mitigate negative impacts. Actions identified in section two can be grouped together if named responsibility is under the same person.

This action plan should be updated at each stage of the project. Please be aware that the Sustainable City and Climate Change Service may use this action plan as an audit checklist during the project’s implementation or operation.

Enhancing / mitigating action required	Responsible Officer	Timescale
Contractors will be asked whether they can provide plans to minimise emissions, waste and pollution during installation.	Steven Thomas	30/11/2025

Enhancing / mitigating action required	Responsible Officer	Timescale
Find out whether a Flood Risk Activity Permit is needed from the Environment Agency because these works will be carried out close to the Floating Harbour. If one is needed, ensure that it is obtained (the contractor may do this). <a href="https://www.gov.uk/guidance/flood-risk-activities-environmental-permits">Flood risk activities: environmental permits - GOV.UK (www.gov.uk)</a>	Steven Thomas	30/11/2025

## Step 4: Review

The Sustainable City and Climate Change Service need at least five working days to comment and feedback on your impact assessment. Assessments should only be marked as reviewed when they provide sufficient information for decision-makers on the environmental impact of the proposal.

Please seek feedback and review by emailing [environmental.performance@bristol.gov.uk](mailto:environmental.performance@bristol.gov.uk) before final submission of your decision pathway documentation<sup>1</sup>.

Where impacts identified in this assessment are deemed significant, they will be summarised here by the Sustainable City and Climate Change Service and must be included in the 'evidence base' section of the decision pathway cover sheet.

**Summary of significant beneficial impacts and opportunities to support the Climate, Ecological and Corporate Strategies (ENV1,2,3,4):**

**Summary of significant adverse impacts and how they can be mitigated:**

**Environmental Performance Team Reviewer:**  
Giles Liddell, Environmental Performance Co-ordinator

**Submitting author:**  
Steven Thomas Highway Electrical Asset Manager

**Date:**  
07/05/2024

**Date: 7<sup>th</sup> May 2024**

<sup>1</sup> Review by the Sustainable City and Climate Change Service confirms there is sufficient analysis for decision makers to consider the likely environmental impacts at this stage. This is not an endorsement or approval of the proposal.