

## Environment and Sustainability Assessment

Birmingham City Council is required to assess any positive or negative impacts that any policy/strategy/ decision/development proposal is likely to have on the environment. This assessment must be completed for CLT and Cabinet reports where appropriate. It is the responsibility of the Service Director signing off the report to ensure that the assessment is complete.

To complete the assessment, you should consider whether the proposal will have a positive or a negative impact on each of the key themes by placing a (✓) for positive, (x) for negative and (?) for unclear impact, and (N/A) for non-applicable impact. Further guidance on the completion of the template is available on page 3 below.

<b>Project Title:</b>	<b>Baskerville School - student places expansion projects</b>			
<b>Directorate: Education and Skills</b>	<b>Team: Education Infrastructure</b>		<b>Person Responsible for assessment: Martin Rogers - Acivico</b>	
<b>Date of assessment:</b>	<b>Is it a new or existing proposal? - New</b>			
<b>Brief description of the proposal:</b> Install additional modular classrooms at Baskerville School site – extension to existing modular units at the site. Refurbishment/adaptation of existing Discovery Building. This project creates an additional 28 SEN student places by extending and adapting existing buildings.				
<b>Potential impacts of the policy/development/ decision on:</b>	<b>Positive Impact</b>	<b>Negative Impact</b>	<b>No Specific Impact</b>	<b>What will the impact be? If the impact is negative, how can it be mitigated, what action will be taken?</b>
Natural Resources - including water, soil, air			✓	Minimal impact – extension to existing modular structure and internal adaptation of existing 2 storey block
Energy use and CO <sub>2</sub> emissions			✓	Energy efficient materials and production to be used in construction of new extension and within works to adapted/refurbished areas. New accommodation has been designed with enhanced 'U' value requirements in order to reduce heat loss from the proposed building. Proposed air tightness values also significantly reduce heat loss and so both measures reduce energy usage. No energy expenditure from mechanical ventilation within new classroom spaces.

				New lighting will be LED so low energy usage.
Quality of environment	✓			<p>Significantly improved to match the specific needs of the students to be in occupation.</p> <p>New Classroom spaces are to be naturally ventilated and will be able to achieve cross ventilation in the majority of cases. Significant natural lighting is proposed due to dual aspect window configuration. New and remodelled rooms that are not able to achieve cross ventilation and limited in depth and are not classroom spaces.</p>
Impact on local green and open spaces and biodiversity			✓	<p>There is minimal reduction or negative impact to local green spaces in the proposals</p> <p>An area of grass will be affected by the expansion of the current Delta block but the remaining grass / soft landscaping around the new accommodation will be better utilised by the pupils that will occupy this redeveloped / expanded building. There are also significant areas of soft landscaping across the school site which will now be used by the pupils following these works, which is currently underutilised.</p>
Use of sustainable products and equipment	✓			<p>Modern method of construction being utilised and adaption of existing space to create additional pupil places using sustainable material and energy efficient materials and processes.</p> <p>Materials with the new building have been specified to provide both longevity and recyclability. Cladding to be removed from existing building for expansion works will be reused where possible within the new proposals.</p> <p>Heating, power and water sources will be provided by existing on site infrastructure, so no renewable energy sources are being proposed.</p>
Minimising waste			✓	<p>The majority of the works are extension of modular unit with some refurbishment of the existing building. The use of modern methods of construction i.e. modular construction results in less waste.</p>

				<p>This is a new building proposal so waste removal on the project will be minimal. A significant amount of works on the modular proposals will be carried out off site and factory production compared to onsite works is renowned for minimal material wastage. As previously noted, existing cladding removed from existing building is to re-used on new building element where possible.</p> <p>As part of the commitment to BBC4SR 85% of construction waste will be recycled.</p>
Council plan priority: a city that takes a leading role in tackling climate change	✓			<p>The plans directly improve the local area and city climate change contribution, by extending the useful life expectancy of the sites and buildings on them, while reducing their ongoing demand for energy and carbon emissions, and without adversely introducing significant negative impacts during the construction process.</p>
Overall conclusion on the environmental and sustainability impacts of the proposal	<p>With the use of Modern Methods of Construction and adapting existing buildings we are reducing the impact of the building works on the environment whilst providing the required additional pupil spaces.</p>			

### Guidance for completing the template

Theme	Example
Natural Resources - Impact on natural resources including water, soil, air.	<p>Does the decision increase water use?</p> <p>Does the decision have an impact on air quality?</p> <p>Does the decision discourage the use of the most polluting vehicles (private and public) and promote sustainable modes of transport or working from home to reduce air pollution?</p> <p>Does the decision impact on soil?</p> <p>For example, development will typically use water for carrying out various operations and, once complete, water will be needed to service the development. Providing water to development and treating affluent water requires energy and contributes to climate change. Some of the activities including construction or disposal of waste may lead to soil pollution. The decisions may lead to more journeys thereby deteriorating air quality and thus contribution to climate change and greenhouse gases.</p>
Energy use and CO <sub>2</sub> emissions.	<p>Will the decision have an impact on energy use?</p> <p>Will the decision impact on carbon emissions?</p> <p>Most day-to-day activities use energy. The main environmental impact of producing and using energy such as electricity, gas, and fuel (unless it is from a renewable source) is the emission of carbon dioxide.</p>
Quality of environment.	<p>Does the decision impact on the overall quality of the built environment?</p> <p>Decisions may have an impact on the overall setting, character and distinctiveness in the area. For example, if development involves ground digging and excavations etc. it may have an impact on the local archaeology.</p>
Impact on local green and open spaces and biodiversity	<p>The proposal may lead to localised impacts on the local green and open spaces which may have an impact on local biodiversity, trees and other vegetation in the area.</p> <p>Will the proposal lead to loss (or creation) of green and blue infrastructure?</p> <p>For example, selling an open space may reduce access to open space within an area and lead to a loss of biodiversity. However, creating a new open space would have positive effects.</p>
Use of environmentally sustainable products, equipment and packaging'	<p>Will the decision present opportunities to incorporate the use of environmentally sustainable products (such as compostable bags, paper straws etc.), recycled materials (i.e. Forest Stewardship Council (FSC) Timber/wood), non-polluting vehicles, avoid the use of single use plastics and packaging.</p>
Minimising waste	<p>Will the decision minimise waste creation and the maximise recycling during the construction and operation of the development/programme/project?</p>

	<p>Will the decision provide opportunities to improve recycling?</p> <p>For example, if the proposal involves the demolition of a building or a structure, could some of the construction materials be reused in the new development or recycled back into the construction industry for use on another project?</p>
<p>Council plan priority: a city that takes a leading role in tackling climate change and deliver Route to Zero.</p>	<p>How does the proposal or decision contribute to tackling and showing leadership in tackling climate change and deliver Route to Zero aspirations?</p>

If you require further assistance with completing this template, please contact: [ESAGuidance@birmingham.gov.uk](mailto:ESAGuidance@birmingham.gov.uk)