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. To complete the assessment, you should consider whether that policy/development/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. The assessment must be completed for all Cabinet reports. It is the responsibility of the Service Director signing off the report to ensure that the assessment is complete. The officers from the sustainability team can help to fill the assessment especially during the early days of implementation.

Project Title:	**Ward End Park Lakeside Renewal Project - Dolphin Centre Revised Tender Strategy**			
Department: City Operations	**Team: Landscape Practice Group**			**Person Responsible for assessment:** Bob Churn
Date of assessment: 17/01/2022	**Is it a new or existing proposal? Existing**			
Brief description of the proposal: The retrofitting and enhancements to the Dolphin Centre at Ward End Park, with Green Energy installations, thermal enhancements, and fitting out a café and installation of a new internal lift.				
Potential impacts of the policy/development decision/procedure/ on:	**Positive Impact**	**Negative Impact**	**No Specific Impact**	**What will the impact be? If the impact is negative, how can it be mitigated, what action will be taken?**
Natural Resources- Impact on natural resources including water, soil, air	√			Retrofitting rather than demolish and rebuild will reduce the use of new concrete to form the structure of the building. Provision of improved cycling access and storage will encourage fewer car journeys. Bus stop is located outside the building.
Energy use and CO_2 emissions	√			Low carbon technologies will reduce CO2 emissions and reduce pollutants in the air. Energy efficient lighting will be installed to help reduce emissions.

				Use of Air source heat pumps and solar PV panels will generate greener energy. Better insulated building and use of triple glazing will improve the thermal performance of the building and reduce primary energy consumption. The building will make use of energy efficient lighting which will help reduce emissions. • Additional capacity of renewable energy production: 0.0048 Megawatts (PV Solar) • Decrease of annual primary energy consumption of public buildings: **Total = 62,092.17kWh / year** Broken down as follows: 57,640.17 kWh/year (ASHP) 4,452 KWh/year (PV Solar) • Estimated annual decrease of GHG: 23.8 tonnes C02e
Quality of environment	√			The appearance of the building at the front of the park will give a general lift to the local environments and encourage greater enjoyment of the outdoor space.
Impact on local green and open spaces and biodiversity	√			The appearance of the building at the front of the park will give a general lift to the local environments and encourage greater enjoyment of the outdoor space. The building project is part of a wider project to enhance the biodiversity and water quality of Ward End Park
Use of sustainable products and equipment	√			The retrofitting of the building is designed to ensure the life of the building is extended and material used to minimise

				future energy consumption. Gas fired boilers are being phased out so the use of an air source heat pump will have a longer and more sustainable shelf life.
Minimising waste	√			Retrofitting rather than demolish and rebuild will reduce the use of new concrete to form the structure of the building.
Council plan priority: a city that takes a leading role in tackling climate change	√			A key objective of the scheme is to improve the thermal fabric of a public building and reduce CO2 emissions. The funding criteria matches the City's ambitions through the Route to Zero programme
Overall conclusion on the environmental and sustainability impacts of the proposal	In conclusion, all aspects of this project and the wider interventions in Ward End Park are designed to improve the environmental quality for residents living in the neighbourhood of the building. The project will demonstrate BCC's priority in tackling climate change.			

If you require assistance in completing this assessment, then please contact: ESAGuidance@birmingham.gov.uk