

Project Title: Upscale of the ECO4 & GBIS scheme				
Department: City Housing	Team: Modernisation and Strategy			Person Responsible for assessment: Richard Labran
Date of assessment: 30/04/2024		Is it a new or existing proposal? New		
Brief description of the proposal: Scaling up retrofit through Energy Company Obligation 4 (ECO4) and future iterations as well as the Great British Insulation Scheme (GBIS). The council will procure delivery partners to accelerate the retrofit of properties cross tenure to support our Net Zero ambitions.				
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	X			This scheme can significantly reduce energy demand by making buildings more energy efficient. This leads to a decrease of demand and extraction of non-renewable resources for energy production. The scheme will also lead to the decrease of air pollution from the production of energy and the consumption of energy (during construction there could be a temporary increase of air pollution due to the installation process this will be on a household/neighbourhood level.
Energy use and CO ₂ emissions	X			This scheme can significantly reduce carbon emissions by improving the efficiency of houses. This is achieved through installing measures that insulate the houses properly and installing energy efficient/improving measures such as EPC A rated boilers, PV panels, high heat retention storage heaters. The reduction of energy usage lessens the demand for non-renewable energy sources, which in turn decreases carbon emissions.

Impact on local green and open spaces and biodiversity			X	
Use of sustainable products and equipment	X			The scheme has a focus on using sustainable products and equipment. A well-insulated house that uses air source heat pumps using electricity generated from PV can significantly reduce the dependency on non-renewable resources. If a house's inefficient storage heaters are upgraded to high heat retention storage heaters it would not only improve energy efficiency but also allow longer heat storage due to its extra layer of insulations. An important measure of the scheme is advance heating controls that can provide a better control over energy consumption and lower the carbon emission a household produces.
Minimising waste	X			This scheme revolves around the idea of improving current housing structures instead of building new ones, which reduces the amount of construction waste generated.
Council plan priority: a city that takes a leading role in tackling climate change	X			Birmingham City Council, owning the largest housing stock in the country, can have a significant impact on housing retrofit. BCC has the ability to lead by example, implementing sustainable and energy-efficient practices in retrofitting the current housing stock. This can decrease the city's carbon footprint and position Birmingham as a leader in climate change mitigation.
Overall conclusion on the environmental and sustainability impacts of the proposal	Overall, the proposed scheme has multiple positive environmental and sustainability impacts. By making buildings more energy-efficient, the scheme significantly reduces both energy demand and the extraction of non-renewable resources. It also decreases air pollution from energy production and consumption. The scheme's focus on retrofitting existing structures reduces construction waste. By implementing sustainable practices in retrofitting housing, Birmingham City Council can significantly impact housing retrofit, reduce the city's carbon footprint, and position Birmingham as a leader in climate change mitigation.			

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