

Environment and Sustainability Assessment

Project Title: Shelforce Machinery Replacement				
Department: City Housing	Team: Shelforce			Person Responsible for assessment: Wayne Davies
Date of assessment: 19/02/2024		Is it a new or existing proposal? New		
Brief description of the proposal: Replacement of leased van and dated production machinery				
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	
Energy use and CO ₂ emissions	X			New vehicles produce less emissions than the old, outdated vehicles we use currently. The new machinery will produce more and incorporate more processes than the existing machinery thus producing more with the same energy costs which is an overall saving. A tender exercise will be undertaken to procure the 3 pieces of equipment required and an options appraisal will be undertaken to determine whether to lease or purchase the 2 vehicles and a quotation exercise will then be conducted – the route to zero team will be involved in both of these processes.
Impact on local green and open spaces and biodiversity			X	
Use of sustainable products and equipment	X			All PVCu windows manufactured are recycled after use up to 10 times giving a total material life span of 250-300 years.

Minimising waste	X			Shelforce is accredited with the international standard for the environment ISO14001, minimising waste is achieved by recycling all our waste and working with our supply chain to minimise packaging.
Council plan priority: a city that takes a leading role in tackling climate change	X			Shelforce produce energy efficient windows and doors that have A/B EPC ratings thus reducing the energy needed to heat homes.
Overall conclusion on the environmental and sustainability impacts of the proposal	Shelforce's continuous improvements in the manufacture of windows and doors has a positive impact on the environment including sustainability. The environmental standard ISO14001 is maintained at Shelforce, and the business is audited by external auditors every year to ensure compliance. 2023 report attached. The route to zero team will be involved in the procurement of the machinery and vehicles.			

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