

APPENDIX 4

Project Title:	Replacement of Kings Heath Community Centre and Ladywood Health & Community Centre Boilers			
Department: City Operations	Team: Neighbourhoods	Person Responsible for assessment: Lesley Poulton		
Date of assessment: 17.01.22		Is it a new or existing policy/strategy/decision/development proposal? New capital project		
Brief description of the proposal: To replace the boilers and ancillary systems that provide heating and hot water at Kings Heath CC and Ladywood H&CC as the existing ones have failed completely and cannot be repaired as they are obsolete.				
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	No impact arising from replacing boilers in existing buildings
Energy use and CO ₂ emissions	X			<p>The new boilers and control systems will be much more energy efficient than the failed existing ones, and the temporary oil fuelled hired boilers that are in place pending a permanent solution, will reduce energy consumption and hence CO2 emissions. All new boilers have to be A rated as part of building regs. The new boilers being installed are 97% efficient. The existing boilers on both these sites are between 60 to 65% efficient and are D/E rated</p> <p>The new controls will work to make the system more efficient. The controls panel includes a software package (similar to BEMS) which can be installed on a onsite computer and full control will be available for the end user. The system will be compensated and boilers are modulated along with the heating pumps creating less energy use for the mechanical plant. This will also mean the system will</p>

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				benefit from using less gas consumption.
Quality of environment	X		X	The new boilers and control systems will be much more energy efficient than the failed existing ones, and the temporary oil fuelled hired boilers that are in place pending a permanent solution, will reduce energy consumption and hence CO2 emissions.
Impact on biodiversity			X	No impact arising from replacing boilers in existing buildings
Use of sustainable products and equipment			X	No impact arising from replacing boilers in existing buildings
Minimising waste	X			All waste materials are removed and transferred to the appropriate disposal site for recycling. Waste transfer notices are submitted to the project management.
Council plan priority: a city that takes a leading role in tackling climate change	X			The new boilers and control systems will be much more energy efficient than the failed existing ones, and the temporary oil fuelled hired boilers that are in place pending a permanent solution, will reduce energy consumption and hence CO2 emissions.
Overall conclusion on the environmental and sustainability impacts of the proposal'	The project will not have an adverse impact on the environment and will contribute to the reduction in energy use and hence CO2 emissions.			