

Climate Impact Assessment, Appendix 4, Markets and Library Solar PV Officer Decision

Will the decision/proposal impact...	Impact	If an impact or potential impacts are identified:			
		Describe impacts or potential impacts on emissions from the Council and its contractors.	Describe impact or potential impacts on emissions across the Borough as a whole.	Describe any measures to mitigate emission impacts	Outline any monitoring of emission impacts that will be carried out
Emissions from non-domestic buildings?	Decrease	Installation of solar pv on the rooftops of the markets and library will reduce the emissions from these buildings by providing a source of renewable energy. It is expected that this project will save 46tCO ₂ e in its first year.	N/A	N/A	The council monitors its greenhouse gas emissions from its estate and publishes updates on its Net Zero by 2030 target annually. It should be noted that this may not be fully seen as a carbon saving as the library is a new building and therefore currently is not represented on the Council's energy portfolio and therefore emissions reporting.
Emissions from transport?	Increase	It is not known whether the inclusion of this project will change the emissions already planned as part of this project. Contractors are already on site. There are likely to be additional supply chain emissions in this regard.	N/A	Council officers to minimise travel by private vehicles or car share where appropriate.	Officer travel is included within the council's annual greenhouse gas emissions reporting and is included within the council's Net Zero by 2030 target.
Emissions from waste, or the quantity of waste itself?	None	Possible small increase in waste; likely only packaging and installation materials.	N/A	Contractors to manage waste in accordance with the waste hierarchy.	Consider monitoring waste management as part of the contract.

		Other waste accounted for as part of wider markets redevelopment.			
Emissions from housing and domestic buildings?	None	N/A	N/A	N/A	N/A
Emissions from construction and/or development?	Increase	An increase in emissions from construction is expected during the course of the works from the materials and equipment used; transport and waste.	N/A	This decision has no control over the use and management of contractors as the project is already in contract.	Measuring and reporting on the council's scope 3 emissions is an ongoing area of work and is complicated to calculate accurately. Monitoring the embodied carbon impacts of retrofits on a project specific basis is an emerging field which is still the subject of research. Therefore, it is not considered feasible to monitor the embodied carbon of this project due to the relatively small scale project involved relative to the cost and effort of obtaining this information.
Carbon capture (e.g. through trees)?	None	N/A	N/A	N/A	N/A
Identify any emissions impacts associated with this decision which have not been covered by the above fields:					
None.					

Will the proposal affect Council services' resilience to climate change, or the capacity of people living in the Borough to adapt to climate change?

Yes – the project will contribute to the resilience of council services by helping to maintain energy supply within the markets and town centre library.

Provide a summary of all impacts and mitigation/monitoring measures:

The project will affect greenhouse gas emissions in the following ways:

- Reduced operational emissions of council buildings; this will likely be evidenced through the prevention of an increase when the new building is commissioned.
- The construction work required to install the solar pv will result in increased emissions but it is not possible to add further monitoring, other than those already agreed as part of the contract currently being delivered.

Supporting information:

Climate Impact Assessment Author	Louise PrestonClick or tap here to enter text. Climate Change Manager Property and Facilities Services Finance and Customer Services
Please outline any research, data or information used to complete this Climate Impact Assessment.	Emissions and savings reported by designer.
If quantities of emissions are relevant to and have been used in this form please identify which conversion factors have been used to quantify impacts.	Conversion factor for CO2 is 0.20705kg CO2e per kWh
Validation	Tracking Reference: CIA450 Katie Rockett Climate Change Officer