Project / Proposal Name or Reference: Market Square Project **Date: 8 March 2022** **Your Name: Sarah French**

1. IMPACT ON CARBON EMISSIONS (MITIGATION OF CLIMATE CHANGE)

	HOW WILL THIS PROJECT/PROPOSAL AFFECT THE FOLLOWING KEY AREAS:	WHAT IS THE IMPACT CONSIDERED TO BE? *See guidance in the purple box, below, to help you assess the degree of the negative and positive impacts e.g. High, Medium or Low*		CLIMATE CHANGE RATING: *Use drop down list*	WILL THE PROJECT MOVE CAMBRIDGE CITY COUNCIL CLOSER TO THE OBJECTIVE OF BEING NET ZERO CARBON BY 2030? *Use drop down list*	WILL THE PROJECT MOVE THE CITY CLOSER TO THE OBJECTIVE OF A NET ZERO CARBON CAMBRIDGE BY 2030? *Use drop down list*	PLEASE DETAIL HERE THE ACTION THAT WILL BE TAKEN TO AVOID, MITIGATE OR COMPENSATE FOR THE NEGATIVE IMPACTS AND MAXIMISE POSITIVE IMPACTS?		HAS A NET ZERO CARBON OPTION BEEN CONSIDERED? PLEASE PROVIDE DETAILS.
1	ENERGY USE	Positive Impact:	Energy use will be reduced or renewable energy will be used	Medium Negative	Yes	Yes	**Consider:** ▫ Reducing demand for energy ▫ Specifying energy efficiency measures (e.g. insulation, low energy lighting) ▫ Generating renewable energy (e.g. heat pumps, solar photovoltaic panels)	Considering use of solar powered canopies over market stalls that will generate power for market traders and potentially evening lighting. Any spare power can be used for other things or be returned to grid. Impact of energy use for activity and events may increase use of power but we hope to generate this by sustainable means as part of the renovation plans	Possible re-use of existing market stalls within design
		Nil Impact:	No extra energy use is involved						
		Negative Impact:	More energy (gas and/ or electricity) will be consumed (by CCC or others)						
2	WASTE GENERATION	Positive Impact:	Less waste will be generated OR amount of waste that is reused/ recycled will be increased	Medium Positive	Yes	Yes	**Consider**: ▫ Will resources be reduced or reused? ▫ Will you use recycled goods? ▫ Will recycling facilities be increased?	Proposed changes in waste management to lead to reduced generation and disposal. Food waste disposal of market traders to be more clearly identified	
		Nil Impact:	No waste will be generated						
		Negative Impact:	More waste will be generated (by CCC or others)						
3	USE OF TRANSPORT	Positive Impact:	The use of transport and/or of fossil fuel-based transport will be reduced	Medium Positive	Yes	Yes	**Consider:** ▫ Will you purchase an electric vehicle? ▫ Will you specifiy the use of public transport? ▫ How will you reduce the need to travel or transport goods?	Considering expansion of storage areas withing design that will allow non-perishable items to be left on site could help reduce the need for daily access /unloading	
		Nil Impact:	No extra transport will be necessary						
		Negative Impact:	CCC or others will need to travel more OR transport goods more often/ further						
4	SUSTAINABLE FOOD	Positive Impact:	Food will be locally grown and/ or meat-free	Nil	Yes	Yes	**Consider:** ▫ Use of locally grown/ produced food ▫ Reducing use of imported food ▫ Reducing use of meat	Locally grown produce already sold on market. Cannot state categorically that project will increase levels of sustainable local food sold on market	
		Nil Impact:	No change in supply of food						
		Negative Impact:	Food will travel long distances and include meat						

2. IMPACT ON RESILIENCE (ADAPTATION) TO THE EFFECTS OF CLIMATE CHANGE

	HOW WILL THIS PROJECT/PROPOSAL AFFECT THE FOLLOWING KEY AREAS :	WHAT IS THE IMPACT CONSIDERED TO BE? *See guidance in the purple box, below, to help you assess the degree of the negative and positive impacts e.g. High, Medium or Low*		CLIMATE CHANGE RATING: *Use drop down list*	WILL THE PROJECT HELP CAMBRIDGE CITY COUNCIL TO BE MORE RESILIENT TO THE IMPACTS OF CLIMATE CHANGE?	WILL THE PROJECT HELP CAMBRIDGE TO BE MORE RESILIENT TO THE IMPACTS OF CLIMATE CHANGE? *Use drop down list*	PLEASE DETAIL HERE THE ACTION THAT WILL BE TAKEN TO AVOID, MITIGATE OR COMPENSATE FOR THE NEGATIVE IMPACTS AND MAXIMISE POSITIVE IMPACTS?		HAS A NET ZERO CARBON OPTION BEEN CONSIDERED? PLEASE PROVIDE DETAILS.
5	HEATWAVES	Positive Impact:	Increased/ improved shade & natural ventilation	Medium Positive	Yes	Yes	Consider: Building orientation and installing measures such as Brise Soleil to reduce heat gain and plant hydration methods.	Consideration being given to planting of trees and other greenery to improve air quality, add shade and encourage wildlife	
		Nil Impact:	No impact on existing levels of shade & ventilation						
		Negative Impact:	Lack of or reduced shade (e.g. from trees or buildings) & natural ventilation						
6	WATER AVAILABILITY	Positive Impact:	Provision made for an enhancement of water efficiency measures to minimise the impact on water resource availability	Low Negative	Yes	Yes	Consider: Managing water use efficiently, installing measures to use less water such as low water use taps, planting drought resistant plants and using rainwater for irrigation.	Water available via on-site taps for use by market traders and cleansing team. The efficiency of these will be considered within the plans for the final design. If possible renovation of market trader toilets will incorporate use of grey water for flushing and use by cleansing team in cleaning of square. Potential for installing drinking water as part of fountain renovation	
		Nil Impact:	Levels of water use will not be changed						
		Negative Impact:	Water use will increase and/or no provision made for water management = Negative Impact						
7	FLOODING	Positive Impact:	Sustainable drainage measures incorporated, positive steps to reduce & manage flood risk	High Positive	Yes	Yes	Consider: The installation of measures to reduce the speed and increase the absorption of rainwater e.g. green roofs, SuDS, permeable paving etc. and alternative arrangements (business continuity)	Drainage channels and pipe network to be renovated and possibly replaced as part of this project to remove pooling and any potential flood risk. Any available options for capture of rain water for other uses will be considered	
		Nil Impact:	Levels of surface water run-off & flood risk are not affected						
		Negative Impact:	Levels of surface water run-off will increase, no management of flood risk						
8	HIGH WINDS / STORMS	Positive Impact:	Exposure to higher wind speeds is being actively managed & reduced	Medium Positive	Yes	Yes	Consider: the need to install stabilisation measures and ensure robust structures resilient to high winds	Robust semi permanent market stall canopies being considered as part of overall design that will be capable of withstanding high winds/storms and be available for use by general public for social purposes outside of the market trading times. Consideration being given to reorientation of market stalls which would also help protect from wind rows	
		Nil Impact:	No change to existing level of exposure to higher wind speeds						
		Negative Impact:	Exposure to higher wind speeds is increased or is not managed = Negative Impact						
9	FOOD SECURITY	Positive Impact:	Opportunities & resources for local food production are increased/ enhanced	Low Positive	Yes	Yes	Source food locally, and provide meat-free catering to reduce vulnerability to food shortages and reduce emissions from transport and farming of food	Locally sourced and Vegan food already offered by market and will continue to be encouraged by market management team	
		Nil Impact:	No change to opportunities & resources for local food production						
		Negative Impact:	Opportunities & resources for local food production are reduced						
10	BIODIVERSITY	Positive Impact:	Biodiversity will be protected/ enhanced	High Positive	Yes	Yes	Provide net gain mitigation if required and seek enhancement in projects of all types and scale	Enhancements to biodiversity are being considered for inclusion in final design of market stalls and the market square. A biodiversity and greening paper is being developed to inform the future project design	
		Nil Impact:	Level of biodiversity will not change						
		Negative Impact:	Biodiversity will not decrease						

Weighing up the negative and positive impacts of your project, what is the overall rating you are assigning to your project?:	Low Positive

This overall rating is what you need to include in your report/ budget proposal, together with your explanation to be included in the red box below

Guidance on Assessing the Degree of Negative and Positive Impacts:

Note: Not all of the considerations/ criteria listed below will necessarily be relevant to your project

Low Impact (L)	* No publicity
	* Relevant risks to the Council or community are Low or none
	* No impact on service or corporate performance
	* No capital assets; or capital assets with lifetime of less than 3 years
Medium Impact (M)	* Local publicity (good or bad)
	* Relevant risks to the Council or community are Medium
	* Affects delivery of corporate commitments
	* Affects service performance (e.g.: energy use; amount of waste; distance travelled) by more than 10%
	* Capital assets with a lifetime of more than 3 years
High Impact (H)	* National publicity (good or bad)
	* Relevant risks to the Council or community are Significant or High
	* Affects delivery of regulatory commitments
	* Affects corporate performance by more than 10%
	* Capital assets with a lifetime of more than 6 years

No

In the box below please summarise the projects impacts (the reasons for the ratings given in column E above) to explain how the overall rating for the project/ proposal has been derived (Cell E37). Please also highlight any negative impacts your project may have and how you plan to avoid, mitigate or compensate for these (as you will have detailed in column I above).

A Low Positive rating has been assigned to this project under the Climate Change Assessment Tool. We will consider all aspects of carbon emissions and sustainability in the operation of Cambridge Market moving forward and in the materials chosen to be used in the renovation of the market square when we reach the phase of Detailed Design. There is a need to consider the project in line with the heat network feasibility study and GCP's Road network hierarchy review and resulting proposals before a more detailed scheme proposal can be developed in order to ensure that a strategic approach is taken and any excavation work is only undertaken once. Due to the listing of the granite setts laid in the market square these will be re-laid rather than replaced and set with non-concrete based mortar. A review of waste generated and management options is currently being conducted in conjunction with the Council's wider litter strategy and we will be discussing with traders all possible ways to reduce waste and reuse/recycle packaging and materials. The feasibility of further excavating the basement areas to create a self contained facility for traders could potentially reduce the number and frequency of vehicles accessing the site as we create the ability for them to consider their individual impacts and encourage more sustainable transport use. The market electricity infrastructure is being renewed which should result in more efficient use of power and could potentially tap into the solar generation from the renewed canopies. Enhancements to biodiversity are being considered for inclusion in the final design and a biodiversity and greening paper is being developed to inform the future project design.