

TRDC Climate and Sustainability Impact Assessment

Score / Colour Code	Impact and Recommendation
Dark green (4)	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.
Light green (3)	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.
Yellow (2)	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.
Red (1)	Considerable inconsistency with the council's sustainability objectives. Strong recommendation to review these aspects and find mitigations.
Grey (0)	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.

Guidance for use

Please answer all questions from the drop-down options in the 'impact' column (C), including 'not applicable' as needed.

Please email your completed copy of the form to Joanna.Hewitson@threerivers.gov.uk.

Key to the colour coding of answers is given at the top of the page.

Name of project/policy/procurement and date		Installation of Additional Rooftop Solar PV at Batchworth Depot
Brief description (1-2 sentences):		The proposal aims to install rooftop solar PV at Batchworth Depot. T

Homes, buildings, infrastructure, equipment and energy					
Question	Impact (select from list)	Score (-1 to 4)	Justification or mitigation	Impact (select from list)	Revised Score (1-4)
1 What effect will this project have on overall energy use (electricity or other fuels) e.g. in buildings, appliances or machinery?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Solar PV will reduce fossil fuel grid electricity use at Batchworth Depot	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
2 What effect will this project have on the direct use of fossil fuels such as gas, petrol, diesel, oil?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	Solar PV will provide renewable energy for an estimated 60-80% of electricity usage for Batchworth depot, which currently relies majority on grid electricity, producing indirect emissions.	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
3 Does this project further maximise the use of existing building space? E.g. co-locating services; bringing under-used space into use; using buildings out-of-hours	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0

4	Will any new building constructed or refurbished be highly energy efficient in use? (e.g. high levels of insulation, low energy demand per sq. m., no servicing with fossil fuels such as gas heating, EPC "A" or BREAM "excellent").	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Solar PV will improve the energy efficiency of the building by reducing the requirement for grid electricity.	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
5	Does this make use of sustainable materials / unputs in your project? E.g. re-used or recycled construction materials; timber in place of concrete	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2	Solar PV panels are not made from recycled materials, however carbon embodiment is present within panels	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2
6	Does this use more sustainable processes in the creation of the project? E.g. modular and off-site construction; use of electrical plant instead of petrol/diesel,	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
7	Will this increase the supply of renewable energy? e.g. installing solar panels; switching to a renewable energy tariff	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Solar PV will increase the supply of renewable energy.	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
8	Do any appliances or electrical equipment to be used have high energy efficiency ratings?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
Average Score		3.40				3.40

Travel						
	Question	Impact	Score (0-4)	Justification or mitigation	Impact (select from list)	Revised Score (0-4)
9	Reducing travel: what effect will this project have on overall vehicle use?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
10	Will this project use petrol or diesel vehicles or EV, hybrid?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
11	Will this support people to use active or low-carbon transport? E.g. cycling, walking, switching to electric transport	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0

12	Will it be easily accessible for all by foot, bike, or public transport, including for disabled people?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
13	Has the project taken steps to reduce traffic? <i>Using e-cargo bikes; timing activities or deliveries to be outside peak congestion times</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
	Average Score		#DIV/0!			#DIV/0!

Goods and Consumption						
	Question	Impact	Score (0-4)	Justification or mitigation	Impact (select from list)	Revised Score (0-4)
14	Has this project considered ways to reuse existing goods and materials to the greatest extent possible, before acquiring newly manufactured	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area,	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
15	Does it reduce reliance on buying newly manufactured goods? <i>E.g. repair and re-use; sharing and lending goods between services or people; leasing or product-as-a-service rather than ownership</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
16	Does it use products and resources that are re-used, recycled, or renewable?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
17	Does it enable others to make sustainable choices within their lifestyles, or engage people about this?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area,	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
18	Is there a plan to reduce waste sent to landfill in manufacture?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
19	Is the material used able to be re-used, re-purposed, or recycled at end of its life?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	Yes. Solar PV panels can be recycled.	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
20	Has it taken steps to ensure any food it offers is more sustainable? <i>E.g. less and high-quality (high welfare) meat and dairy; minimises food waste;</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area,	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
	Average Score		3.00			3.00

Ecology						
	Question	Impact	Score (0-4)	Justification or mitigation	Impact (select from list)	Revised Score (0-4)
21	What effect does this project have on total area of non-amenity green/blue space? (Amenity green space = playing fields, play areas, sporting lakes	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area,	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0

22	Does the project create more habitat for nature? <i>E.g. native plants, trees, and flowers</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
23	Does it make changes to existing habitats and have a negative impact on nature? <i>E.g. use of pesticides, reduced extent and variety of plants,</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
24	Does it help people understand the value of biodiversity, and encourage residents to support it in their private and community spaces?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
	Average Score		#DIV/0!			#DIV/0!

Adaptation						
	Question	Impact	Score (0-4)	Justification or mitigation	Impact (select from list)	Revised Score (0-4)
25	Does any planned project, construction or building use include measures to conserve water?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
26	Does anythe project , consider how to sustainably protect people from extreme weather?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
27	Has any planned building work or infrastructure considered how to mitigate flood risk? <i>E.g. Sustainable Drainage Systems (SuDS); de-paving</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
28	Does any planned infrastructure or building work increase the overall footprint of hard surfacing? (as opposed to green or permeable surfacing)	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
29	Has the project considered its own resilience to future extreme heat, flood risk, or water shortage?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area.	0	Not Applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
	Average Score		#DIV/0!			#DIV/0!

Engagement and Influence						
	Question	Impact	Score (0-4)	Justification or mitigation	Impact (select from list)	Revised Score (0-4)
30	Does this project raise awareness and understanding of the climate and ecological emergency, and the steps that people can take?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	By installing rooftop solar PV on one of our core buildings we will show residents and businesses that we are leading by example and will encourage others to follow	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
	Average Score		4			4
	Total Overall Average Score		3.47			3.5

Now assesment is compelete copy and paste box into your business case, committee report.
(under environmental implications 6). Whole assesment can be an appendix. Procurement
tenders are expected to submit complete report with application.

Climate and Sustainability Impact Assesment Summary	
Homes, buildings, infrastructure, equipment and energy	3.40
Travel	#DIV/0!
Goods and Consumption	3.00
Ecology	#DIV/0!
Adaptation	#DIV/0!
Engagement and Influence	4.00
Total Overall Average Score	3.47



