

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 CLL@threerivers.gov.uk

Key to the colour coding of answers can be found at the top of the page.

Name of project/policy/procurement and date:		Rickmansworth Sports Club / Rickmansworth Cricket Club Infrastructure Enhancements
Brief description (1-2 sentences):		Climate Impact Assessment for the project to deliver the following: Drainage Enhancements (implementation of Sports England approved Turfdry system at 5m intervals - see link to the right) New Nets New Changing Facility Revamped disabled access

[Link: Turfdry Drainage System Overview](#)

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?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	The existing structure has no electrics and the only light that enters it is through the doorway and clear plastic panels in the roof. Proposed changing facility to be solar powered. Container solution is estimated to have a lifespan of 50+ years which is significantly more sustainable than purely wooden structures.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	3
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	The Turfdry system will reduce the need for expensive mechanical plant hire to resolve flooding issues. Delivery of container and construction of nets will involve some petrol cost etc. however over the lifespan of the structures this is of minimal impact.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
3 Does this project further maximise the use of existing building space? <i>E.g. co-locating services; bringing under-used space into use; using buildings out-of-hours</i>	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	The existing top-pitch changing facility is underused as a result of it being no longer fit for purpose	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? <i>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"</i>	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	There is minimal energy demand within the proposed changing facility other than lighting which can be made as energy efficient as possible e.g. LED lighting with a timing mechanism. The vendor has confirmed that in the event that the structure is heated it will be possible for the EPC to be of a 'B' category.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
5 Does this make use of sustainable materials / inputs in your project? <i>E.g. re-used or recycled construction materials, timber in place of concrete</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	The changing room will be primarily steel although it will have a cedar clad exterior. The steel will not be recycled however it will be of industry leading quality. The solution is deemed to be a long-term one and will therefore negate the need for at least 2 or 3 replacement buildings if a purely wood construction was installed.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
6 Does this use more sustainable processes in the creation of the project? <i>E.g. modular and off-site construction; use of electrical plant instead of petrol/diesel</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	The proposed changing facility will be built off site and delivered in a single module	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? <i>e.g. installing solar panels; switching to a renewable energy tariff</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	N/A The existing changing area is unlit	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
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	Any lighting will utilise the most energy efficient solution as possible.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
Average Score		3.00			3.00

Ways to optimise sustainability and work towards net-zero carbon:

- Insulate buildings to a high standard.
- Include energy efficiency measures when carrying out refurbishment to deliver improvement in EPC ratings.
- Replace gas boilers with renewable heating, such as heat pumps. Consider District Heat Networks where appropriate.
- Construct new buildings to Passivhaus standard.
- Design and deliver buildings and infrastructure with lower-carbon materials, such as recycled material and timber frames.
- Use construction methods that reduce overall energy use, such as modular, factory-built components, or use of electrical plant on-site.
- Install solar panels or other renewable energy generation, and consider including battery storage.
- Switch to a certified renewable energy provider e.g. utilise power purchase agreements (PPA)
- Use energy-efficient appliances.
- Install low-energy (LED) lighting.
- Install measures to help manage building energy demand, such as smart meters, timers on lighting, or building management systems.

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		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?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
11 Will this project support people to use active or low-carbon transport? <i>E.g. cycling, walking, switching to electric transport</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0		Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0

Ways to optimise sustainability and work towards net-zero carbon:

- Reduce the need to travel e.g. through remote meetings, or rationalising routes and rounds.
- Share vehicles or substitute different modes of travel, rather than procuring new fleet.
- Specify electric, hybrid, or most fuel efficient vehicles for new fleet or for services involving transport.
- Support users and staff to walk, cycle, or use public transport e.g. with cycle parking, training, incentives.
- Use zero-emission deliveries
- Model and mitigate the project's effect on traffic and congestion e.g. re-timing the service or deliveries

12	Will this project be easily accessible for all by foot, bike, or public transport, including for disabled people?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	The project to enhance facilities will bring the facilities in Rickmansworth up to standard of other clubs. The expectation is that this will encourage players to remain locally and not feel the need to travel further afield to take advantage of other clubs with better facilities. Enhancements to the disabled access will make the pavilion accessible for wheelchairs	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>E.g. 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		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
Average Score			4.00			#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 re-use existing goods and materials to the greatest extent possible, before acquiring newly manufactured ones?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	A number of vendors have been researched, and the one selected for the outdoor changing facility (Mac-Containers) are a preferred vendor for both Sport England and the English Cricket Board. Their solutions are therefore deemed to be of the best quality and consequently their durability will negate the need for future maintenance etc. The vendor selected for the net system (Total-Play) has been partly selected as it offers market leading warranties i.e. Base construction up to 36 years & Carpets up to 12 years	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
15	Does the project 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		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
16	Does the project 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		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
17	Does the project 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, but otherwise proceed.	0		Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
18	Does the project have a plan to reduce waste sent to landfill in manufacture?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	Where footings will be dug for the new net facility and earth will be redistributed around the Park Road site in an effort to reduce issues such as subsidised areas and negate the need to remove any soil from the site	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
19	Will the material(s) used on the project be able to be re-used, re-purposed, or recycled at end of its life?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
20	Has the project taken steps to ensure any food offered or consumed is more sustainable? <i>E.g. less and high-quality (high welfare) meat and dairy, minimise food waste, seasonal and locally sourced produce.</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
Average Score			3.00			#DIV/0!

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 etc. Non-amenity= e.g. woodland, grassland, wetland, gardens, lakes, rivers, ponds etc.)	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	There is an existing planning application for the project in which potential impacts on the green belt have been considered. The changing area and new net facility would be ordered in accordance with the conditions of the application. It should be noted that the plans have been reviewed with the council planning team to ensure that they are compliant.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
22	Does the project create more habitat for nature? <i>E.g. planting native plants, trees, and flowers, creation of ponds or wetlands, provision of bird or bat boxes, installation of log piles or insect hotels</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
23	Does the project make changes to existing habitats or have a negative impact on biodiversity? <i>E.g. use of pesticides, reduced extent and variety of plants, planting non-native species, light pollution, noise pollution, water pollution, disturbance to habitat, soil erosion, fragmentation of habitat</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
24	Does the project 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, but otherwise proceed.	0		Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	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 include measures to conserve water? <i>E.g. low-flow taps and showerheads, water-efficient devices</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0

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Ways to optimise sustainability and work towards net-zero carbon:
<ul style="list-style-type: none">- Procure goods through sharing, leasing, or product-as-a-service models rather than ownership.- Use pre-owned and reconditioned goods, and reduce reliance on procuring new goods.- Use recycled materials, and procure items that can be reconditioned or recycled at end-of-life.- Use lifecycle costing in business cases to capture the full cost of operation, repair and disposal of an item.- Ensure meat and dairy is high-quality, high-welfare, if procured or consumed.- Choose seasonal and locally sourced produce, and plant-rich meals.- Design waste, including food waste, out of business models e.g. separating (and composting) food waste; replacing single-use items with reusable items.- Use contact points with residents, community groups and businesses to engage and enable them to adopt low-waste, low-carbon behaviours.

Ways to optimise sustainability and work towards net-zero carbon:
<ul style="list-style-type: none">- Avoid converting green space to hard surfacing.- Use underutilised space for planting, such as green roofs and walls.- Plant native plants and perennials, rather than non-native ornamental species, to encourage biodiversity.- Reduce trimming of grass and hedges, and avoid use of synthetic pesticides.- Provide space for animals e.g. long grass areas, bird boxes, bat boxes, 'insect hotels', ponds, hedgehog hides and passages, log piles- Consider the ecological impacts from manufacture and use of procured goods, e.g. water pollution; water consumption; land use change for farming; pesticide use; organic/regenerative farming methods

Ways to optimise sustainability and work towards net-zero carbon:
<ul style="list-style-type: none">- Install water-saving devices in taps, showers and toilets- Re-use grey water in new developments- Capture and re-use rainwater where possible e.g. water butts for use in car washing, watering garden, toilets- Ensure all new building or refurbishment (especially of homes) models and mitigates future overheating risk, with adequate ventilation and shading

26	Does the project consider how to protect people from the effects of extreme weather? <i>E.g. including shading to prevent overheating</i>	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	The issues with flooding at the site have largely come as a result of increased rainfall that the ground is unable to cope with. Pipes which were installed many years ago have collapsed and now do not offer any protection. The plan to implement the Turfdry system which will make the ground more able to withstand extreme rainfall for generations to come. The existing changing facility is wholly unsuitable for shielding from extreme weather and so the new solution will have a strong beneficial impact for this point (both winter and summer)	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
	Has any planned building work or infrastructure on the project considered how to mitigate flood risk? <i>E.g. implementing Sustainable Drainage Systems (SuDS), de-paving areas, installing green roofs</i>	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	The Turfdry drainage solution is aimed specifically at reducing flood risk on the site which prevents it from being used as a community recreational sports area. The fields do not currently have any effective drainage solutions. The Turfdry system has been proven to be enormously effective at removing flooding issues on sports grounds for many years and is a solution recommended by both Sport England and the ECB. It should be noted that both organisations have a clear environmental policy and and recommendations would be compliant with that.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
	Does any planned building work or infrastructure on the project increase the total surface area covered by hard surfacing (as opposed to green or permeable surfacing)?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
	Has the project considered its own resilience to extreme heat, flooding, or drought resulting from climate change?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0		Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
	Average Score		4.0			#DIV/0!
Engagement and Influence						
30	Does this project raise awareness and understanding of the climate and ecological emergency, and the steps that people can take to mitigate and adapt to these?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	The requirement for improved drainage is directly linked to the inability of the ground to absorb the levels of water in recent years. The requirement to educate the population about how the implementation of drainage solutions in order for playing fields to be usable for recreational sporting activities is a key part of this project. At present the fields are simply made redundant and this only reduces the ability of the area to meet demand for recreational sport. There is clearly a sizable opportunity cost involved here. The intention is to publicize this fact upon completion of the project i.e. through local radio / facebook groups etc.	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
	Average Score		4			#DIV/0!
	Total Overall Average Score		3.60			3.0

- Avoid increasing areas of hard surfacing.
- Convert hard surfacing to green and permeable surfacing where possible, and install Sustainable Drainage systems (SuDS).
- Plant drought-tolerant plants and mulch landscapes to avoid water loss through evaporation.

Ways to optimise sustainability and work towards net-zero carbon:
- 'Make every contact count' by using contact points with residents, businesses and community groups to promote understanding of the climate and ecological emergencies.

Now the assesment is complete, please include a copy of the completed assessment as part of your CIL application, and submit a copy of the form by email to Joanna.Hewitson@threerivers.gov.uk

Climate and Sustainability Impact Assessment Summary	
Homes, buildings, infrastructure, equipment and energy	3.00
Travel	#DIV/0!
Goods and Consumption	#DIV/0!
Ecology	#DIV/0!
Adaptation	#DIV/0!
Engagement and Influence	#DIV/0!
Total Overall Average Score	3.0