

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 CIL@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:		Chorleywood Common Youth Football Club - Refurbishment of Current Pavilion
Brief description (1-2 sentences):		Refurbishment of pavilion within current walls and footprint. Replcement of roof, cladding and reconfiguration of interior, addition of new kitchen. All provide opportunity to improve climate impact.

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	The roof and walls have modern insulation. The cladding will als provide some insulation benefit. Additionally we will look at installing Solar Thermal panels to provide hot water	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	The site only uses electricity	Some positive impact for sustainability. Recommendation to further enhance this aspect where	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	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	currently, primarily as storage for football club. This project will widen its community use significantly. It will also be available for	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
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"	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	Yes, as above, we will add significant insulation	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
5 Does this make use of sustainable materials / inputs in your project? E.g. re-used or recycled construction materials, timber in place of concrete	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	We plan to recyle as much as possible. The project is a rebuild	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
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	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	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	We plan to add Solar Thermal panels	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
8 Do any appliances or electrical equipment to be used have high energy efficiency ratings?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	All of the electrical equipment will be newly installed and will have high energy efficiency ratings	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
Average Score		3.43			3.43

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? E.g. cycling, walking, switching to electric transport	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	We will install bike racks, and charging points for ebike, to encourage cycling	sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
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	Acesability will be good. We wil improve disability access to the pavilion building as part of the project	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
13 Has the project taken steps to reduce traffic? E.g. Using e-cargo bikes; timing activities or deliveries to be outside peak congestion times	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	See above comments, reference ebikes	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
Average Score		3.33			3.33

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

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?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	As the project is a refurb, there will be significant use of the current structure, including walls and most roof joists	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4

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

- 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

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>	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	The works are focused around an adaptive reuse proposal for the existing club house. This will reuse the existing structure so avoiding carbon and the use of lots of new materials	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
16	Does the project use products and resources that are re-used, recycled, or renewable?	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2	In the build we will focus on using as much of the current structure as possible	Some possible negative impacts for sustainability. Recommendation to review these aspects and find	2
17	Does the project enable others to make sustainable choices within their lifestyles, or engage people about this?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Inherently the more attractive we make the site, the more attractive playing football becomes, as well as possibly other recreational activities	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
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	Given the reuse of as much material as possible mentioned above, this will reduce material going to landfill	Some positive impact for sustainability. Recommendation to further enhance this aspect where	3
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	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>	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	We will incorporate this into our food offerings and focus on reusability, eg encourage a scheme in the cafe for reusable cups	Some positive impact for sustainability. Recommendation to further enhance this aspect where	3
Average Score			3.33			3.33

- 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.

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.)	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	It makes no change to the quantity of green space, but does make it more attractive and accesible	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
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	Not applicable	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	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	None	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	Not applicable	Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
Average Score		4			4

Ways to optimise sustainability and work towards net-zero carbon: - 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
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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>	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Internally the washrooms, and kitchens will all use also low flow sanitaryware. This will reduce water consumption in the building.	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
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	Rainwater will be collected for irrigation and a soakaway and sustainable water system will be sued for foul drainage.	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
27 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>	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
28 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)?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	There is no increase in the amount of hardstanding	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
29 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	The project will nto be impacted by this	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
Average Score		4.0			4.00

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

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 to mitigate and adapt to these?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	understanding of the climate and ecological emergency as it will be a live example of how a building can be retro fitted and reused. The users of the building range from children	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
Average Score		3			3
Total Overall Average Score		3.52			3.5

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.
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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@threeivers.gov.uk

Climate and Sustainability Impact Assessment Summary	
Homes, buildings, infrastructure, equipment and energy	3.43
Travel	3.33
Goods and Consumption	3.33
Ecology	3.33

Adaptation	4.00
Engagement and Influence	3
Total Overall Average Score	3.5