

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 where possible.
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' where appropriate.

Name of project	21.07.2025	Rickmansworth Aquadrome Project Update Report
Brief description (1-2 sentences):		The Rickmansworth Aquadrome Management Plan 2022 – 2027 is an ambitious and far reaching plan. Produced in partnership with Countryside Management Service, the Plan's Vision Statement is:

Homes, buildings, infrastructure,	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?	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise	N/A	Not applicable to this project	Neutral or not applicable. Recommendation to consider how benefits could be	N/A
2	What effect will this project have on the direct use of fossil fuels such as gas, petrol, diesel, oil?	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible	2	Delivery of the project may require the use of machinery powered by fossil fuels. This	Some possible negative impacts for sustainability. Recommendation to review these	2
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	N/A	Not applicable to this project	Neutral or not applicable. Recommendation to consider how benefits could be	N/A
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	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise	N/A	Not applicable to this project	Neutral or not applicable. Recommendation to consider how benefits could be	N/A
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	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Wherever possible and appropriate green/natural materials will be favoured over	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect	4
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,	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	factors integrated within the project. For example, the pathway improvements	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect	4
7	Will this increase the supply of renewable energy? e.g. installing solar panels; switching to a renewable energy tariff	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise	N/A	Not applicable to this project	Neutral or not applicable. Recommendation to consider how benefits could be	N/A
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	N/A	Not applicable to this project	Neutral or not applicable. Recommendation to consider how benefits could be	N/A
Average Score			3.33			3.33

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?	Some positive impact for sustainability. Recommendation to further enhance this aspect	3	Improved pathways increase opportunity for people to walk	Some positive impact for sustainability. Recommendation to further enhance this aspect	3
10	Will this project use petrol or diesel vehicles or EV, hybrid?	Some positive impact for sustainability. Recommendation to further enhance this aspect	3	Improvements to the car park consider the implementation of	Some positive impact for sustainability. Recommendation to further enhance this aspect	3
11	Will this support people to use active or low-carbon transport? E.g. cycling, walking, switching to electric transport	Strong positive impacts for sustainability. Recommendation to proceed as is with this	4	Improved pathways increase opportunity for people to walk	Strong positive impacts for sustainability. Recommendation to proceed as is with this	4
12	Will it 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	4	Accessibility is a key consideration throughout the project for all	Strong positive impacts for sustainability. Recommendation to proceed as is with this	4
13	Has the project taken steps to reduce traffic? Using e-cargo bikes; timing activities or deliveries to be outside peak congestion times	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	N/A	Not applicable to this project at this time, as the project progresses	Neutral or not applicable. Recommendation to consider how	N/A
Average Score			3.50			3.50

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. retiming 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 reuse 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	4	A variety of opportunities within the project intend to make use of	Strong positive impacts for sustainability. Recommendation to proceed as is with this	4
15	Does it reduce reliance on buying newly manufactured goods? E.g. repair and re-use; sharing and lending goods	Some possible negative impacts for sustainability. Recommendation to	2	Some elements of the project will require new manufactured materials to be used; however,	Some possible negative impacts for sustainability. Recommendation to	3
16	Does it use products and resources that are re-used, recycled, or renewable?	Strong positive impacts for sustainability. Recommendation to	4	their waste and responsibly use bins throughout the	Strong positive impacts for sustainability. Recommendation to	4
17	Does it enable others to make sustainable choices within their lifestyles, or engage people about this?	Some positive impact for sustainability. Recommendation to	3	Not applicable to this project at this	Some positive impact for sustainability. Recommendation to	3
18	Is there a plan to reduce waste sent to landfill in manufacture?	Neutral or not applicable. Recommendation to	N/A	Not applicable to this project at this	Neutral or not applicable. Recommendation to	N/A
19	Is the material used able to be re-used, re-purposed, or recycled at end of its	Neutral or not applicable. Recommendation to	N/A	Not applicable to this project at this	Neutral or not applicable. Recommendation to	N/A
20	Has it taken steps to ensure any food it offers is more sustainable? E.g.	Neutral or not applicable. Recommendation to	N/A	Not applicable to this project	Neutral or not applicable. Recommendation to	N/A
Average Score			3.25			3.50

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. - Ensure meat and dairy is high-quality, high-welfare. - 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 =	Strong positive impacts for sustainability. Recommendation to	4	The projects vision is "For the Aquadrome to be enhanced,	Strong positive impacts for sustainability. Recommendation to	4
22	Does the project create more habitat for nature? E.g. native plants, trees, and flowers	Strong positive impacts for sustainability. Recommendation to	4	nurtured, and protected. To achieve the balance so nature can flourish and	Strong positive impacts for sustainability. Recommendation to	4
23	Does it make changes to existing habitats and have a negative impact on nature? E.g. use of pesticides,	Strong positive impacts for sustainability. Recommendation to	4	visitors can connect with and discover beautiful and	Strong positive impacts for sustainability. Recommendation to	4
24	Does it help people understand the value of biodiversity, and encourage residents to support it in their private	Strong positive impacts for sustainability. Recommendation to	4		Strong positive impacts for sustainability. Recommendation to	4

Ways to optimise sustainability and work towards net zero carbon:
(Seek advice from Landscapes Team if required) - 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

Average Score		4			4	
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Adaptation						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.
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	Strong positive impacts for sustainability.	4	The project aims to protect globally	Strong positive impacts for sustainability.	4	
26 Does anythe project , consider how to sustainably protect people from extreme weather?	Strong positive impacts for sustainability. Recommendation to	4	provide longevity and responsilbe planting plans	Strong positive impacts for sustainability.	4	
27 Has any planned building work or infrastructure considered how to mitigate flood risk? <i>E.g. Sustainable</i>	Strong positive impacts for sustainability. Recommendation to	4	A hydrological study is taking place to fully inform	Strong positive impacts for sustainability.	4	
28 Does any planned infrastructure or building work increase the overall footprint of hard surfacing? (as	Strong positive impacts for sustainability. Recommendation to	4	While the hardfoot print of the site may slightly increase the	Strong positive impacts for sustainability.	4	
29 Has the project considered its own resilience to future extreme heat, flood risk, or water shortage?	Some positive impact for sustainability. Recommendation to	3	inform the project of related flood risk. A tree & vegetation	Strong positive impacts for sustainability.	4	
Average Score		3.8			4.00	
Engagement and Influence						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 emergency.
Question	Impact	Score (0-4)	Justification or mitigation	Impact (select from list)	Revised Score (0-	
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	4	Significant engagemnet, communications and interpretation	Strong positive impacts for sustainability. Recommendation to	4	
30 Average Score		4			4	
Total Overall Average Score		3.65			3.7	

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 Assessment Summary	
Homes, buildings, infrastructure, equipment and energy	3.33
Travel	3.50
Goods and Consumption	3.50
Ecology	3.50
Adaptation	4.00
Engagement and Influence	4
Total Overall Average Score	3.7