

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.
Yellow (2)	Some possible negative impacts for sustainability. Recommendation to review these aspects and find ways to mitigate.
Red (1)	Considerable inconsistency with the council's sustainability objectives. Strong recommendation to avoid.
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@threeivers.gov.uk.

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

Name of project/policy/procurement and date		Fishing Swim Replacement at Batchworth
Brief description (1-2 sentences):		Replacing or returning to nature the ex...

Homes, buildings, infrastructure, equipment and energy			
Question	Impact (select from list)	Score (-1 to 4)	Justification or mitigation
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 proceed.	0	
2 What effect will this project have on the direct use of fossil fuels such as gas, petrol, diesel, oil?	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>	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</i>	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 / unputs in your project? <i>E.g. re-used or recycled construction materials; timber in place of concrete</i>	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	Within the project specification, contractors will be requested to provide sustainable materials for the swims e.g, recycled plastic.
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	
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	

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	
	Average Score		3.00	

Travel

Question	Impact	Score (0-4)	Justification or mitigation
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	
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	
11 Will this support people to use active or low-carbon transport? <i>E.g. cycling, walking, switching to electric transport</i>	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	Most users of the fishing swims access the site using active travel means - either walking or cycling.
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 aspect.	4	Most users of the fishing swims access the site using active travel means - either walking or cycling.
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	
	Average Score	3.50	

Goods and Consumption

Question	Impact	Score (0-4)	Justification or mitigation
14 Has this project considered ways to reuse existing goods and materials to the greatest extent possible, before acquiring newly manufactured ones?	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2	Existing materials have now reached the end of their life, however through the project, swims no longer being used will be returned to nature, with new habitat areas created.
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>	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2	The project will seek to use sustainable materials. This will be a requirement in the specification.
16 Does it use products and resources that are re-used, recycled, or renewable?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	The project will seek to use sustainable materials. This will be a requirement in the specification.
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, but otherwise proceed.	0	

18	Is there a plan to reduce waste sent to landfill in manufacture?	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2	Existing materials have now reached the end of their life, however through the project, swims no longer being used will be returned to nature, with new habitat areas created.
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	The project will seek to use sustainable materials. This will be a requirement in the specification.
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; seasonal produce; locally sourced.</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	
Average Score			2.40	

Ecology

	Question	Impact	Score (0-4)	Justification or mitigation
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,	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2	Existing materials have now reached the end of their life, however through the project, swims no longer being used will be returned to nature, with new habitat areas created.
22	Does the project create more habitat for nature? E.g. native plants, trees, and flowers	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	Existing materials have now reached the end of their life, however through the project, swims no longer being used will be returned to nature, with new habitat areas created.
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, planting non-native species</i>	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	
24	Does it help people understand the value of biodiversity, and encourage residents to support it in their private and community spaces?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	This project is part of the wider Aquadrome project, with a strong emphasis on knowledge sharing, particularly highlighting the importance of the Aquadrome as a Local
Average Score			3	

Adaptation

	Question	Impact	Score (0-4)	Justification or mitigation
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, but otherwise proceed.	0	
26	Does anythe project , consider how to sustainably protect people from extreme weather?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	As part of the fishing swim project, tree works and planting will be included - this all falls in line with the hydrological survey being undertaken to reduce the impact of flooding
27	Has any planned building work or infrastructure considered how to mitigate flood risk? <i>E.g. Sustainable Drainage Systems (SuDS); de-paving areas; green roofs</i>	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	As part of the fishing swim project, tree works and planting will be included - this all falls in line with the hydrological survey being undertaken to reduce the impact of flooding
28	Does any planned infrastructure or building work increase the overall footprint of hard surfacing? (as opposed to green or permeable surfacing)	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2	all materials will be permeable - no additional hardstanding is proposed.
29	Has the project considered its own resilience to future extreme heat, flood risk, or water shortage?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	As part of the fishing swim project, tree works and planting will be included - this all falls in line with the hydrological survey being undertaken to reduce the impact of flooding

Average Score		2.8	
Engagement and Influence			
Question	Impact	Score (0-4)	Justification or mitigation
30 Does this project raise awareness and understanding of the climate and ecological emergency, and the steps that people can take?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	project, with a strong emphasis on knowledge sharing, particularly highlighting the importance of the Aquadrome as a Local Nature Reserve.
Average Score		3	
Total Overall Average Score		2.89	

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	3.50
Travel	3.50
Goods and Consumption	3.40
Ecology	4.00
Adaptation	3.75
Engagement and Influence	4
Total Overall Average Score	3.6

and proceed.

mitigations where possible.

to review these aspects and find mitigations.

it otherwise proceed.

orth Lake, Rickmansworth Aquadrome

isting fishing swims at Batchworth Lake, Rickmansworth Aquadrome

Impact (select from list)	Revised Score (1-4)
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	3
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
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

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.

Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
	3.50

Impact (select from list)	Revised Score (0-4)
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
sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
	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

Impact (select from list)	Revised Score (0-4)
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0

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.

Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
	3.40

Impact (select from list)	Revised Score (0-4)
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
	4

Impact (select from list)	Revised Score (0-4)
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4

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

<p>Ways to optimise sustainability and work towards net zero carbon:</p> <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 - 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.

	3.75
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Impact (select from list)	Revised Score (0-4)
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
	4
	3.7

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.