TRDC Climate and Sustainability Impact Assesment

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		Climate Emergency and Sustainability Strategy
Brief description (1-2 sentences):		Update to the Strategy

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	Purpose of dtrategy is to reduce energy use	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	Fleet replacements will be low carbon when the technolgy is suitable and affordable	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***	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
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***	**Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.**	4	Maple Cross Pavilion will be constructed to optimum standards	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***	**Considerable inconsistency with the council's sustainability objectives. Strong recommendation to review these aspects and**	-1	Work with contractors to improve use of recycled material	Some possible negative impacts for sustainability. Recommendation to review these aspects and find	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		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***	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
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		Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
	Average Score		**2.80**			**3.40**

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 where possible and proceed.	3	Through engagement and prmotion of active travel through new walking and cycling strategy a reduction in car travel should be achieved	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
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	Difficult to answer as not a specific project	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*	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
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	N/A	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? *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	overall aim of the sustainable travel section is to reduce traffic	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. 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 aspect.	4	Engagement activities will strongly encourage re-use	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 it reduce reliance on buying newly manufactured goods? *E.g. repair and re-use; sharing and lending goods between services or people; leasing or product-as-a-service rather than ownership*	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Engagement activities will strongly encourage re-use, repair, share	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
16	Does it use products and resources that are re-used, recycled, or renewable?	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
17	Does it 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		Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
18	Is there a plan to reduce waste sent to landfill in manufacture?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	One of the aims is to reduce overall waste in the district	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
19	Is the material used able to be re-used, re-purposed, or recyled 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 it taken steps to ensure any food it offers is more sustainable? *E.g. less and high-quality (high welfare) meat and dairy; minimises food waste; seasonal produce; locally sourced.*	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Major food waste campaign within strategy	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
	Average Score		**4.00**			**4.00**

- 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 = playing fields, play areas, sporting lakes etc. Non-amenity= e.g. woodland, grassland, wetland,	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	continuation of grassland mamagement programme and engagement with landowners is all driven to this aim.	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
22	Does the project create more habitat for nature? E.g. native plants, trees, and flowers	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	continuation of grassland mamagement programme and engagement with landowners is all driven to this aim.	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
23	Does it make changes to existing habitats and have a negative impact on nature? *E.g. use of pesticides, reduced extent and variety of plants, planting non-native species*	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
24	Does it help people understand the value of biodiversity, and encourage residents to support it in their private and community spaces?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Strong engagement programme and encouragement of community involvement	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
	Average Score		**4**			**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 procured goods, e.g. water pollution; water consumption; land use change for farming; pesticide use; organic/regenerative farming methods

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?	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	By embedding this assessment into coumcil decision making this will ensure this is at least considered.	Some positive impact for sustainability. Recommendation to further enhance this aspect where	3
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	Strategy requires a risk assessment for adaptation	Some positive impact for sustainability. Recommendation to further enhance this aspect where	3
27	Has any planned building work or infrastructure considered how to mitigate flood risk? *E.g. Sustainable Drainage Systems (SuDS); de-paving areas; green roofs*	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Engagement activitie,s and SUDS retrofit, and flood risk assessments for new build will all work to improve resiliance to flooding	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
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, but otherwise proceed.	0	This strategy is not connected to a specific prject so difficult to answer	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?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	This strategy aims to embed resileince into the work of the council	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
	Average Score		**3.50**			**3.50**

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?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	Very strong engagement is outlined in strategy	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
	Average Score		**4**			**4**
	Total Overall Average Score		**3.61**			**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.

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	3.33
Goods and Consumption	4.00
Ecology	4.00

Adaptation	3.50
Engagement and Influence	4
Total Overall Average Score	**3.7**

List 1		List 2	List 3
Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4	No	No
Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3	To some extent	N/A
Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2	N/A	
Considerable inconsistency with the council's sustainability objectives. Strong recommendation to review these aspects and find mitigations.	-1		
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0	Yes	Yes

Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
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
Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2
Considerable inconsistency with the council's sustainability objectives. Strong recommendation to review these aspects and find mitigations.	-1