TRDC Climate and Sustainability Impact Ass

Score / Colour Code
Dark green (4)
Light green (3)
Yellow (2)
Red (1)
Grey (0)

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.

	Homes, buildings, infrastructure, equipment and energy
	Question
1	What effect will this project have on overall energy use (electricity or other fuels) e.g. in buildings, appliances or machinery?
2	What effect will this project have on the direct use of fossil fuels such as gas, petrol, diesel, oil?
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*
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"*
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*
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*

7	Will this increase the supply of renewable energy? *e.g. installing solar panels; switching to a renewable energy tariff*
8	Do any appliances or electrical equipment to be used have high energy efficiency ratings?
	Average Score

	Travel
	Question
9	Reducing travel: what effect will this project have on overall vehicle use?
10	Will this project use petrol or diesel vehicles?
11	Will this project support people to use active or low-carbon transport? *E.g. cycling, walking, switching to electric transport*
12	Will this project be easily accessible for all by foot, bike, or public transport, including for disabled people?
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*
	Average Score

	Goods and Consumption
	Question
14	Has this project considered ways to re-use existing goods and materials to the greatest extent possible, before acquiring newly manufactured ones?
15	Does the project 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*

16	Does the project use products and resources that are re-used, recycled, or renewable?
17	Does the project enable others to make sustainable choices within their lifestyles, or engage people about this?
18	Does the project have a plan to reduce waste sent to landfill in manufacture?
19	Will the material(s) used on the project be able to be re-used, re-purposed, or recycled at end of its life?
20	Has the project taken steps to ensure any food offered or consumed is more sustainable? *E.g. less and high-quality (high welfare) meat and dairy, minimise food waste, seasonal and locally sourced produce.*
	Average Score

	Ecology
	Question
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.)
22	Does the project create more habitat for nature? *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*
23	Does the project make changes to existing habitats or have a negative impact on biodiversity? *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*
24	Does the project help people understand the value of biodiversity, and encourage residents to support it in their private and community spaces?
	Average Score

	Adaptation
	Question
25	Does any planned project, construction or building include measures to conserve water? *E.g. low-flow taps and showerheads, water-efficient devices*

26	Does the project consider how to protect people from the effects of extreme weather? *E.g. including shading to prevent overheating*
27	Has any planned building work or infrastructure on the project considered how to mitigate flood risk? *E.g. implementing Sustainable Drainage Systems (SuDS), de-paving areas, installing green roofs*
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)?
29	Has the project considered its own resilience to extreme heat, flooding, or drought resulting from climate change?
	Average Score

	Engagement and Influence
	Question
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?
	Average Score

Total Overall Average Score

Now the assessment is complete, please include a copy of the completed
submit a copy of the form by email to Joanna.Hew

Climate and Sustainability Impact Assessment Summary
Homes, buildings, infrastructure, equipment and energy
Travel
Goods and Consumption
Ecology
Adaptation
Engagement and Influence
Total Overall Average Score

sessment

Impact and Recommendation
Strong positive impacts for sustainability. Recommendation to proceed as is wi
Some positive impact for sustainability. Recommendation to further enhance th
Some possible negative impacts for sustainability. Recommendation to review
Considerable inconsistency with the council's sustainability objectives. S
Neutral or not applicable. Recommendation to consider how benefits could be

Name of project/policy/procurement and date:	
Brief description (1-2 sentences):	

Impact (select from list)	**Score (-1 to 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
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
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 area, but otherwise proceed.	0
Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
	3.20

Impact	**Score (0-4)**
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2
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
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
	2.00

Impact	**Score (0-4)**
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2

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
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
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 area, but otherwise proceed.	0
	2.50

Impact	**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
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
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Impact	**Score (0-4)**
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0

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 area, but otherwise proceed.	0
Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
	3.0

Impact	**Score (0-4)**
Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
	3
	2.74

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2.00
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achieved in this area, but otherwise proceed.

Full Roof Replacement (Batchworth Sea Scouts)
6th February, 2025

The main roof of our Scout HQ on Riverside Drive is a flat roof which has been in service s
the mid-1960s. It has outlasted its original design lifespan, but has started to leak and defo
requiring full replacement with modern materials to ensure we can continue as a Group.

Justification or mitigation	**Impact** (select from list)	**Revised Score (1-4)**
The new roof with modern building materials and insulation will significantly reduce electricity usage for heating the building due to greater heat retention.	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4
Electricity is used to heat the building. Some of this will have come from burning fossil fuels, so using less will reduce use	Some positive impact for sustainability. Recommendation to further enhance this aspect where	3
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
We are able to reuse the existing metal roof beams in the building. We are also using standard vs custom building materials for the project.	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
The roof design uses modular components that come ready for installation on site.	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4

The roof does not have the strength to carry solar panels however once complete we will look for a wall mounted solution around the top perimeter.	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
We are in the process of updating the heaters with energy efficient Infra-red units (https://www.tlc-direct.co.uk/Products/BNHN330B)	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
		3.33

Justification or mitigation	Impact (select from list)	Revised Score (0-4)
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
The contractors will need to use vehicles to visit the site. Delivery vehicles will need to be used for bringing in the replacement roof materials.	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2
N/A	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
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
		2.00

Justification or mitigation	Impact (select from list)	Revised Score (0-4)
We are able to reuse the existing metal roof beams in the building. We are also using standard vs custom building materials for the project.	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
We will need to secure new materials for the project, this is unavoidable.	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2

N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
The old roof material will need to be disposed of.	Some possible negative impacts for sustainability. Recommendation to review these aspects and find	2
The new roof outer layer should last approximately 25 years, and be replaced in future and not the entire roof structure.	Some positive impact for sustainability. Recommendation to further enhance this aspect where	3
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
		2.50

Justification or mitigation	**Impact (select from list)**	**Revised Score (0-4)**
N/A	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	0
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
N/A	Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	0
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Justification or mitigation	**Impact (select from list)**	**Revised Score (0-4)**
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0

The new roof will have modern materials and provide both insulation during cold weather and heat protection when hot.	Some positive impact for sustainability. Recommendation to further enhance this aspect where	3
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
N/A	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this	0
The new roof will be made from modern materials with greater resistance to heavy precipitation and extreme heat.	Some positive impact for sustainability. Recommendation to further enhance this aspect where	3
		3.00

Justification or mitigation	**Impact (select from list)**	**Revised Score (0-4)**
The project will provide a new modern roof with better insulation that we can use to educate our young people to the effects of climate change.	Some positive impact for sustainability. Recommendation to further enhance this aspect where possible and proceed.	3
		3
		2.8

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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 impro
- Replace gas boilers with renewable heating, such as heat pumps. Consider District H
- Construct new buildings to Passivhaus standard.
- Design and deliver buildings and infrastructure with lower-carbon materials, such as
frames.
- Use construction methods that reduce overall energy use, such as modular, factory-
electrical plant on-site.
- Install solar panels or other renewable energy generation, and consider including ba
- Switch to a certified renewable energy provider e.g. utilise power purchase agreeme
- Use energy-efficient appliances.
- Install low-energy (LED) lighting.
- Install measures to help manage building energy demand, such as smart meters, tim
management systems.

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

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

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

- Procure goods through sharing, leasing, or product-as-a-service models rather than
- Use pre-owned and reconditioned goods, and reduce reliance on procuring new goo
- Use recycled materials, and procure items that can be reconditioned or recycled at e
- Use lifecycle costing in business cases to capture the full cost of operation, repair ar
- 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 cor
single-use items with reusable items.
- Use contact points with residents, community groups and businesses to engage and

low-carbon behaviours.

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

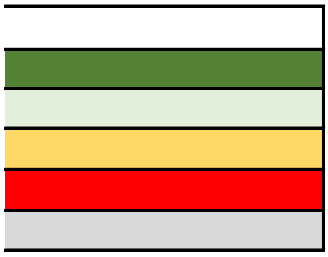
- Avoid converting green space to hard surfacing.
- Use underutilised space for planting, such as green roofs and walls.
- Plant native plants and perennials, rather than non-native ornamental species, to en
- Reduce trimming of grass and hedges, and avoid use of synthetic pesticides.
- Provide space for animals e.g. long grass areas, bird boxes, bat boxes, 'insect hotel
passages, log piles
- Consider the ecological impacts from manufacture and use of procured goods, e.g.
land use change for farming; pesticide use; organic/regenerative farming methods

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,
- Ensure all new building or refurbishment (especially of homes) models and mitigates
adequate ventilation and shading

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

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



ovement in EPC ratings.
Heat Networks where appropriate.

recycled material and timber

built components, or use of

ttery storage.
nts (PPA)

ners on lighting, or building

rounds.
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olving transport.
, training, incentives.

rvice or deliveries

ownership.
ds.
nd-of-life.
d disposal of an item.

mposting) food waste; replacing

l enable them to adopt low-waste,

courage biodiversity.

s', ponds, hedgehog hides and

water pollution; water consumption;

watering garden, toilets
s future overheating risk, with

l Sustainable Drainage systems

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ɔmmunity groups to promote