TRDC Climate and Sustainability Impact Assesment Score / Colour Code Impact and Recommendation Dark green (4) trong 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. Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Grey (0)

Guidance	for	use
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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.go

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

	Name of project/policy/procurement and date	Beryl Bikeshare scheme expansion areas Rickmansworth, South Oxhey & Leavesden/Abbots Langley
C),		
gov.	Brief description (1-2 sentences):	An extension of the existing Watford & Croxley Beryl Bikeshare scheme giving access for more 3RDC residents to the main Watford & Croxley Green scheme scheme in 3 new areas of Rickmansworth, South Oxhey & Leavesden/Abbotts Langley boarding areas of Watford Borough. Funding being used for additional parking bays and eBikes for the scheme.

Question	Impact (select from list)	Score (-1 to 4)	Justification or mitigation	Impact (select from list)	Revised Score (1-4)
	Some possible negative impacts for sustainability.			Strong positive impacts for sustainability.	
What effect will this project have on overall energy use (electricity or other	Recommendation to review these aspects and find		Battery charging for ebikes , renuables energy	Recommendation to proceed as is with this	
fuels) e.g. in buildings, appliances or machinery?	mitigations where possible.	2	provider used	aspect.	3
				Strong positive impacts for sustainability.	
	Strong positive impacts for sustainability.			Recommendation to proceed as is with this	
· · · ·	Recommendation to proceed as is with this aspect.	4	Potential to reduce car journeys	aspect.	4
Does this project further maximise the use of existing building space? E.g. colocating services; bringing under-used space into use; using buildings out-of-				Strong positive impacts for sustainability. Recommendation to proceed as is with this	
	review these aspects and find mitigations.	-1	Uses current facilities . so no increased impact	aspect.	4
		·			
Will any new building constructed or refurbished be highly energy efficient in				Neutral or not applicable.	
	Some positive impact for sustainability.			Recommendation to consider how benefits	
	Recommendation to further enhance this aspect			could be achieved in this area, but	
"excellent").	where possible and proceed.	3		otherwise proceed.	0
	Some positive impact for sustainability.			Neutral or not applicable. Recommendation to consider how benefits	
	Recommendation to further enhance this aspect			could be achieved in this area, but	
	where possible and proceed.	3		otherwise proceed.	0
				Neutral or not applicable.	
	Some positive impact for sustainability.			Recommendation to consider how benefits	
	Recommendation to further enhance this aspect where possible and proceed.	3		could be achieved in this area, but otherwise proceed.	0
F	Neutral or not applicable. Recommendation to	1		Neutral or not applicable.	
Will this increase the supply of renewable energy? e.g. installing solar panels;				Recommendation to consider how benefits	
	but otherwise proceed.	0		could be achieved in this area, but	0
	Neutral or not applicable. Recommendation to			Neutral or not applicable.	
Do any appliances or electrical equipment to be used have high energy	consider how benefits could be achieved in this area,	11		Recommendation to consider how benefits could be achieved in this area, but	
, ,	but otherwise proceed.	0			0
Average Score		2.33			3.67

Ways to optimise sustainability and work towards net zero

- Insulate buildings to a high standard.
 Include energy efficiency measures when carrying
 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 lowercarbon materials, such as recycled material, wool- or hemp-based insulation, and timber frames.
- Use construction methods that reduce overall energy use, such as modular, factory-built components, or use of electrical plant
- 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	I				
	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?	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect. Neutral or not applicable. Recommendation to	4	providing a sustainable active travel option Vs use of a car - this expansion alone will replace car journeys and estimate to save save over 500 kg of co2 per year (based on the results from the recent croxley green expansion & the overall Watford scheme Calculations of 61.16 tonnes of co2 saved from the scheme launch in 2020)	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect. Strong positive impacts for sustainability.	4
10	Will this project use petrol or diesel vehicles or EV, hybrid?	consider how benefits could be achieved in this area, but otherwise proceed.	0	Electric Vans Used	Recommendation to proceed as is with this aspect.	4
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	providing access to bikes as a sustainable alternative to cars	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?	Some possible negative impacts for sustainability. Recommendation to review these aspects and find mitigations where possible.	2	not currently available for disabled use, however we are looking into this area with Watford Borough Council to set up a pilot trial (subject to funding)	Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect.	4

Ways to optimise sustainability and work towards net zero

- 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.
- Model and mitigate the project's effect on traffic and congestion e.g. retiming the service or deliveries

The particular process of the process of the particular process of the	Score / Colour Code	Impact and Recommendation					
The content of the		· ·	on to proceed o	a is with this cannot			
The property lates steep to breach early 10 years and place to compare a late of the compare and the format and the format and the compare and	0 ()						
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and an appellation database and account for Compression Section (1997) and a compression of the possibility	siey (0)	Neutral of flot applicable. Neconfinendation to consider fi	T Deficits Cou	ild be achieved in this area, but otherwise pr	oceed.		
Section 1.	Has the project taken steps to reduce traffic? Using e-cargo bikes; timing activities or deliveries to be outside peak congestion times				Recommendation to proceed as is with this		
The second second company to company contained to the control of t	Average Score		3.50			4.00	
The second second company to company contained to the control of t	Daniel and Oanson then	1					
See that the point of contact any part of cont	300ds and Consumption						
as the procedic coarded synch in the profit coarded in the profit	Question	Impact	Score (0-4)	Justification or mitigation	Impact (select from list)		
The registration of the best of the control of the	Has this project considered ways to reuse existing goods and materials to the greatest extent possible, before acquiring newly manufactured ones?	how benefits could be achieved in this area, but	0		Recommendation to consider how benefits	0	- Use pre-owned and reconditioned goods, and reduce reli
see the exposition for recorrect that are requested, exposited, comments of the comments of th	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- uservice rather than ownership	how benefits could be achieved in this area, but	0		Recommendation to consider how benefits could be achieved in this area, but	0	 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 of operation, repair and disposal of an item.
Strong position improved in the contract contacts in the contract provided in the contract provi	Does it use products and resources that are re-used, recycled, or renewable?	how benefits could be achieved in this area, but	0		Recommendation to consider how benefits could be achieved in this area, but	0	 Design waste, including food waste, out of business mod g. separating (and composting) food waste; replacing singlitems with reusable items.
the a plan to reduce waste sent to sardiff in manufacture? Some part of the	Does it enable others to make sustainable choices within their lifestyles, or engage people about this?		4	encourages active travel	Recommendation to proceed as is with this aspect.	4	businesses to engage and enable them to adopt low-waste
It is material used able to be ready, reportioned, or regived at and of its 167. Becameration for proceed as a swith final specific and specific process. It is seen that the process are not all progress are not proceed and swith final specific process. It is a specific process.	s there a plan to reduce waste sent to landfill in manufacture?		4		Recommendation to proceed as is with this aspect.	4	
Approach your year with read and dairy, minimises food waste, seasonal product. In the case process of the comment of the same, but a could be achieved in this area, but a could be ach	s the material used able to be re-used, re-purposed, or recyled at end of its life?		4	Majority of the assets are fully recycleable	aspect.	4	
section maped	Has it taken steps to ensure any food it offers is more sustainable? E.g. less and nigh-quality (high welfare) meat and dairy; minimises food waste; seasonal produce; ocally sourced.	how benefits could be achieved in this area, but	0		Recommendation to consider how benefits		
section maped			4.00			4.00	
weston Mape	everage ocore		4.00			4.00	
weston Mape		1					
westion Market field of the this project have on total area of non-amenity grant bias space?	cology						
westion make deed does this project have on total area of non-amenity green/blue space? Mearly a rond applicable. Recommendation to consider when they green space = playing fields, play areas, sporting lakes etc. Non-amenity green places = playing fields, play areas, sporting lakes etc. Non-amenity green places = playing fields, play areas, sporting lakes etc. Non-amenity green places = playing fields, play areas, sporting lakes etc. Non-amenity green places = playing fields, play areas, sporting lakes etc. Non-amenity when this area, but otherwise proceed. Noural or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Noural or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Noural or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Noural or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Noural or not applicable. Noural or not applic						Revised	
Neutral or not applicable. Recommendation to consider how benefits gould be achieved in this area, but on therefore you be an expected process. It is project create more habitat for nature? E.g. native plants, trees, and otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits you'd be achieved in this area, but on the project create more habitat for nature? E.g. native plants, trees, and where the project create more habitat for nature? E.g. native plants, trees, and where the project create more habitat for nature? E.g. native plants, trees, and where the project create more habitat for nature? E.g. native plants, trees, and where the project create more habitat for nature? E.g. native plants, trees, and where the project create more habitat for nature? E.g. native plants, trees, and where the project create more habitat for nature? E.g. native plants, trees, and where the project create more habitat for nature? E.g. native plants, plan	Question	Impact	Score (0-4)	Justification or mitigation	Impact (select from list)		
es the project create more habitat for nature? E.g. native plants, trees, and one been filts could be achieved in this area, but otherwise proceed. In pact Score (0-4) Justification or mitigation Limpact Score (0-4) Justification or mitigation Limpact Score (0-4) Justification or mitigation Meutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. O No segative impact on nature E.g. native plants, planting non-native observed in this area, but otherwise proceed. O No segative impact on nature E.g. native plants, planting non-native observed in this area, but otherwise proceed. O No segative impact on nature E.g. native plants, reduced extent and variety of plants, planting non-native observed in this area, but otherwise proceed. O No segative impact on nature E.g. native plants and perennials, rather than non-native observed in this area, but otherwise proceed. O No segative impact on nature E.g. native plants and perennials, rather than non-native non-native observed in this area, but otherwise proceed. O No segative impact on nature E.g. native plants, planting non-native observed in this area, but otherwise proceed as a with this segord. No segative impact on nature E.g. native plants and perennials, rather than non-native non-native observed in this area, but otherwise proceed as a with this segord. No segative impact on nature E.g. native plants and perennials, rather than non-native non-	/hat 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= g. woodland, grassland, wetland, gardens, lakes, rivers, ponds etc.)	how benefits could be achieved in this area, but			Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but		Avoid converting green space to hard surfacing. - Use underutilised space for planting, such as green roof.
The commendation of proceed as is with this area, but observed the people understand the value of biodiversity, and encourage residents support it in their private and community spaces? No negative impact on nature Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but of their wise proceed. No negative impact on nature Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but of the people understand the value of biodiversity, and encourage residents support it in their private and community spaces? Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but of the people understand the value of biodiversity, and encouraging active travel and awareness of the local environment from both communing and liciation. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but of the people understand the proceed as is with this appear. The people is appeared to the same and the people with the sape of an intervent of the people with the sape of the people	ooes the project create more habitat for nature? E.g. native plants, trees, and owers	how benefits could be achieved in this area, but otherwise proceed.	0		Recommendation to consider how benefits could be achieved in this area, but		Plant native plants and perennials, rather than non-native ornamental species, to encourage biodiversity. Reduce trimming of grass and hedges, and avoid use of
ses it help people understand the value of biodiversity, and encourage residents by support it in their private and community spaces? Impact	oes it make changes to existing habitats and have a negative impact on nature? E. use of pesticides, reduced extent and variety of plants, planting non-native pecies	how benefits could be achieved in this area, but otherwise proceed.	0	-	Recommendation to proceed as is with this aspect.	4	 Provide space for animals e.g. long grass areas, bird box bat boxes, 'insect hotels', ponds, hedgehog hides and pas log piles
westion Impact Score (0-4) Justification or mitigation Impact Score (0-4) Justification or mitigation Impact Score (0-4) Justification or mitigation Impact Score (0-4) Score (0-4) Score (0-4) Impact Score (0-4) Score (0-4	toes it help people understand the value of biodiversity, and encourage residents o support it in their private and community spaces?	how benefits could be achieved in this area, but		local environment from both commuting and	Recommendation to proceed as is with this		procured goods, e.g. water pollution; water consumption; use change for farming; pesticide use; organic/regenerative
westion Impact Impac	•		U			4.00	
westion Impact Score (0-4) Justification or mitigation Impact (select from list) Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how to sustainably protect people from extreme only benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how to sustainably protect people from extreme only benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits ould be achieved in this area, but otherwise proceed. Neutral or not applicable. Recomme	ιααριατιστι						Ways to antimics sustainability and work towards not
Description of building use include measures to observe water? Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observe water. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed in this area, but observed. Description of the applicable. Recommendation to consider how benefits could be achieved in this area, but observed in this area, but observed. Description and shading of the process. Description and shading o	uestion		Score (0-4)	Justification or mitigation	. ,		carbon: - Install water-saving devices in taps, showers and toilets
Recommendation to consider how benefits could be achieved in this area, but on therwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but on therwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but on therwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but on therwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but on therwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but on therwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but on the proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but on the proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but on the proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but on the proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.		how benefits could be achieved in this area, but otherwise proceed.	0		Recommendation to consider how benefits could be achieved in this area, but	0	-Capture and re-use rainwater where possible e.g. water l for use in car washing, watering garden, toilets - Ensure all new building or refurbishment (especially of h
Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.		how benefits could be achieved in this area, but otherwise proceed.	0		Recommendation to consider how benefits could be achieved in this area, but		ventilation and shading - Avoid increasing areas of hard surfacing Convert hard surfacing to green and permeable surfacin
oes any planned infrastructure or building work increase the overall footprint of and surfacing? (as opposed to green or permeable surfacing) Recommendation to consider how benefits could be achieved in this area, but otherwise proceed. O Note that applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.	as any planned building work or infrastructure considered how to mitigate flood sk? E.g. Sustainable Drainage Systems (SuDS); de-paving areas; green roofs		0		Recommendation to consider how benefits could be achieved in this area, but	0	(SUDS) Plant drought-tolerant plants and mulch landscapes to a
	J	Neutral or not applicable. Recommendation to consider			Neutral or not applicable.		water loss through evaporation.

0.0

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

otherwise proceed.

Has the project considered its own resilience to future extreme heat, flood risk, or water shortage?

Average Score
Engagement and Influence

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

0.00

TRDC Climate and Sustainability Impact Assesment Score / Colour Code Impact and Recommendation Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect. Light green (3) Yellow (2) Red (1) Considerable inconsistency with the council's sustainability objectives. Strong 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. Revised Ways to optimise sustain

2.3

Strong positive impacts for sustainability. Recommendation to proceed as is with this aspect. Score (0-4) Justification or mitigation

sustainanble active travel

regular communications with users to promote

mpact (select from list)

Strong positive impacts for sustainability. Recommendation to proceed as is with the aspect.

3.3

Total Overall Average Score

30 emergency, and the steps that people can take?

Average Score

Does this project raise awareness and understanding of the climate and ecological

Climate and Sustainability Impact Assessment Summary				
Homes, buildings, infrastructure, equipment and energy	3.67			
Travel	4.00			
Goods and Consumption	4.00			
Ecology	4.00			
Adaptation	0.00			
Engagement and Influence	4			
Total Overall Average Score	3.3			

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.