

User guidance:

- The first section of this form guides users through considering major areas where emissions are likely to occur. If emissions are impacted in a way not covered by these categories, please identify this at the bottom of the section
- The first section should be filled as such:
 - **Impact:** identify, in relation to each area, whether the decision of the proposal does the following: *reduces emissions*, *increases emissions*, or has *no impact on emissions*. If it is uncertain this section can be labelled *impact unknown*
 - If **no impact on emissions** is identified: no further detail is needed for this area, but can be added if relevant (e.g. if efforts have been made to mitigate emissions in this area.)
 - **Describe impacts or potential impacts on emissions:** two sections deal respectively with emissions from the Council (including those of contractors), and emissions across Rotherham as a whole. In both sections please explain any factors that are likely to reduce or increase emissions. If **impact unknown** has been selected, then identify the area of uncertainty and outline known variables that may affect impacts.
 - In most cases there is no need to quantify the emission impact of an area after outlining the factors that may reduce or increase emissions. In some cases, however, this may be desirable if factors can be reduced to a small number of known variables (e.g. if an emission impact is attached to a known or estimated quantity of fuel consumed).
 - **Describe any measures to mitigate emission impact:** regardless of the emission impact, in many cases steps should be taken in order to reduce mitigate all emissions associated with each area as far as possible; these steps can be outlined here (For example: if a proposal is likely to increase emissions but practices or materials have been adopted in order to reduce this overall impact, this would be described here).
 - **Outline any monitoring of emission impacts that will be carried out:** in this section outline any steps taken to monitor emission levels, or steps taken to monitor the factors that are expected to increase or reduce emission levels (for example, if waste or transport levels are being monitored this would be described here)
- A **summary paragraph** outlining the likely overall impacts of the proposal/decision on emissions should then be completed - this is not required if the proposal/decision has no impact across all areas.
- The supporting information section should be filled as followed:
 - Author/completing officer
 - **Research, data, or information** may refer to datasets, background documents, literature, consultations, or other data-gathering exercise. These should also be added to the **supporting documents** section of the cabinet report

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- Carbon Impact Assessments are to be appended to the associated cabinet reports
 - Prior to publishing reports, Carbon Impact Assessments should be sent to climate@rotherham.gov.uk for feedback
 - Report authors may also use the above email address to direct any further queries or to access further support regarding completing the assessment

Will the decision/proposal impact...	Impact	If an impact or potential impacts are identified			
		Describe impacts or potential impacts on emissions from the Council and its contractors.	Describe impact or potential impacts on emissions across Rotherham as a whole.	Describe any measures to mitigate emission impacts	Outline any monitoring of emission impacts that will be carried out
Emissions from non-domestic buildings?	Some impact	No impact – operators on site will be private businesses providing services to the public	<p>The development will result in the construction of new non- domestic buildings which will produce emissions.</p> <p>Emissions from the buildings on site are likely to be significantly less than those from the previous use as a supermarket</p> <p>The scheme is aiming to attract users who are currently travelling to other destinations to fulfil leisure needs, who currently produce greater emissions through using less efficient and less well-designed buildings. The overall impact across Rotherham may therefore reduce.</p>	<p>The design for the buildings includes measures to maximise energy efficiency and reduce emissions including for example BREEAM rating and travel plans, low energy lighting, thermal efficiency. Buildings will be designed to allow for plant to be installed to connect to a local heat network.</p> <p>An ecological report and water framework directive assessment has been conducted. The reports identified there would be no impact on water quality and that no protected species would be impacted by the works however, the neighbouring river habitats should be considered throughout the works. Works will consider breeding species with specific note of riverine</p>	<p>During the construction stages regular workshops will be held to ensure the entire design and construction teams know the responsibilities in terms of BREEAM scoring. The client BREEAM scoring points targeted (such as the use of A-rated equipment and white goods) will also be measured, so the approach will be totally holistic.</p> <p>After completion and handover further client/ construction team liaison will be required for items such as seasonal commissioning which should be a targeted credit in terms of both BREEAM but also energy in use during all times of the year.</p>

				birds and their nesting seasons.	Post occupancy reviews and measurement/targeting of energy use will also assist.
Emissions from transport?	Some impact	No impact - operators on site will be private businesses providing services to the public	There will be impacts from the use of the scheme and customer visits – visitor will arrive at the scheme by a range of modes and the businesses on site will be serviced by road transport.	<p>The site is within walking distance of the bus interchange, tram trail and railway station and the design brief for the scheme will include consideration of measures to enhance pedestrian connectivity with key arrival points including public transport nodes across the town centre. Transport Plan prepared for planning application RB2020/0485 includes further information.</p> <p>The site will also provide facilities within the borough that do not currently exist replacing some of the demand to travel further afield outside the borough.</p> <p>Dwell time on the scheme is expected to significantly longer than the previous use as a supermarket providing improvements in</p>	Use of the car parking facilities proposed for the Forge Island development will be monitored to some extent to determine how many trips are generated from the proposed scheme. This will provide a good indication of methods of transportation used to access the scheme.

				terms of air quality from reduced trip generation	
Emissions from waste, or the quantity of waste itself?	Some Impact	No impact - operators on site will be private businesses providing services to the public	Operations on site will produce waste	Waste Management Plan to be prepared and be in place as part of planning condition requirements before operations on site can commence and impacts experienced.	
Emissions from housing and domestic buildings?	No impact	No impact	No impact	N/A	N/A
Emissions from construction and/or development?	Some impact	There will be short-term impacts from construction of the scheme	There will be future short-term impacts from construction of the scheme.	The proposal for the redevelopment of Forge Island aspires to achieve BREEAM Very Good and has achieved this ambition at the design stage pre-assessments. The team has past and current relevant experience in delivering projects with this level of ambition. A series of sustainability workshops and pre-assessments have been organised throughout the design stages to ensure that environmental targets are met.	Through construction process – monthly contractor reports

Carbon capture (e.g. through trees)?	No impact	No impact	Some impact	The development will provide new soft landscaping and planting to add to the habitats on offer within the site compared to the existing condition ensuring no increase in surface water discharge.	Captured through Borough/Region wide indicators and monitoring – no site specific monitoring proposed.
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Identify any emission impacts associated with this decision that have not been covered by the above fields:

The scheme is designed to include sustainable flood protection measures with buildings at podium level allowing the site to operate as temporary storage during a flooding event. Soft landscaping and planting will add to the habitats on offer within the site ensuring no increase in surface water discharge.

Please provide a summary of all impacts and mitigation/monitoring measures:

The final development arrangement does not have any impact on emissions. The future scheme will have an impact on emissions which will be addressed and monitored through the output of the design process and the development and subsequent use of the scheme.

Supporting information:	
Completed by: (Name, title, and service area/directorate).	Tim O'Connell, Head of RiDO, regeneration and Environment
Please outline any research, data, or information used to complete this [form].	
If quantities of emissions are relevant to and have been used in this form please identify which conversion factors have been used to quantify impacts.	

Tracking [to be completed by Policy Support / Climate Champions]	Sam Blakeborough, Policy Officer, Policy Performance and Intelligence, ACEX.
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