

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](mailto: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?	Increases emissions during construction.  Reduces emissions during operation.	The proposal does not involve Council buildings.	This project replaces old non-domestic buildings (to erect 6 light industry units) and introduces two new F&B units on site. Operation of these buildings is anticipated to create a net decrease in emissions, however, the overall effect on emissions from non-domestic buildings across the borough is too complex to estimate. Main emission benefits have been accounted for in this document.	The new/refurbished buildings will be designed to present day standards.  While RMBC will have no control over the future occupancy of the units, which might potentially impact the emissions levels depending on the use, the key improvement consideration is that as a new building it will be compliant with the Building Regulations and relevant standards for the energy performance of new buildings (Part L of the Building Regulations).  The proposal includes a significant level of landscaping, with the intention of creating a more pleasant environment, including the mitigation or combatting of said emissions.	Possible occupancy reviews and measurement/targeting energy use could be carried out. The main contractor will ensure compliance with all building regs and relevant legislation. This will be monitored by RMBC.
Emissions from transport?	Increase emissions	During the construction stage there is going to be a likely increase in emissions due to the increased number of vehicles on site	The addition of a series of new businesses may attract a larger number of vehicles on site. The site has however been chosen for its proximity	Wider improvements to the area, i.e. new segregated cycle tracks extending the existing route from the Sheffield City boundary near	The main contractor appointed will be required to abide by standards to minimise emissions.

		(including the construction machinery and contractors' vehicles).	to the new tram/train stop and cycle ways along Sheffield Road and a new accessible pathway will be created providing a safe and pleasant connection and encouraging the use of cycling and public transport.	to the Magna Science Adventure Centre on the A6178 through to Rotherham Town Centre aim at promoting active travel to site (note: phase 1 – from the borough boundary to Bessemer Way is complete, remaining section to Rotherham will be under construction until the summer).  There is a provision of 5 twin EV charging points within the scheme, and also ducting to enable installation of a greater number of EV chargers at a later stage. The provision of EV charging is a planning condition in the interest of supporting and encouraging low emission vehicles and in the interest of air quality enhancement.  Public realm works are designed to encourage active modes of travel.	
Emissions from waste, or the quantity of waste itself?	Increase quantity	Contractors will be appointed by the Council and whilst in construction phase, the project will generate waste given the site's previous use and current condition.		Promotion of waste segregation and diversion from landfill during the construction process and adherence with local waste management practice during operation.	Statutory reporting requirements during construction. Submitting and getting an approval for a Construction Environmental Management Plan to

					the Local Planning Authority prior to the commencement of the development is a planning condition, which, among other things covers waste storage, collection, recycling and removal.
Emissions from housing and domestic buildings?	No impact	N/A	N/A	N/A	N/A
Emissions from construction and/or development?	Increases emissions	The proposed scheme would include a demolition and a significant amount of construction works that will have a direct impact on emissions. These include, traveling to site, operation of vehicles on site, operation of any other vehicles needed to construct/dig proposed components, the use of local power generation (generators) until permanent power is available will likely affect emissions also. The embodied energy required to produce construction materials will increase emissions.	The works will be designed to minimise the impact on the surrounding areas	<p>Seek to achieve permanent power connections as early in the programme as practical to avoid the use of generators.</p> <p>The new construction works will use Modern Methods of Construction designed to reduce waste and improve efficiency.</p> <p>Look to promote active travel and reduce single occupancy car journeys.</p>	RMBC will monitor works and ensure that the main contractor is complying with all relevant regulations.

<p>Carbon capture (e.g., through trees)?</p>	<p>Reduce emissions</p>		<p>Included in the proposal is a significant amount of landscaping, some existing and some proposed to add/extend the existing amount. There will be a number of trees planted along the south end of the site, facing Sheffield Road. The extra landscaping/vegetation will reduce emissions on site. Biodiversity net gain of over 80% is targeted for the project.</p>	<p>Planting of trees and other vegetation to mitigate the effects on emissions the site would have.</p>	<p>To maintain the positive impact of the landscaping scheme post development, a relevant planning condition requires setting out the details of the responsibility for maintenance and a schedule of operations for the lifetime of the development, including replacement planting, that will be carried out for a period of 5 years after completion of the planting scheme.</p>
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Identify any emission impacts associated with this decision that have not been covered by the above fields:

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

To summarise, it is expected that the project will, in the construction phase start to negatively affect levels of emissions on the surrounding environment and the net emission levels of Rotherham as a whole. The project will have relevant mitigation strategies in place to counter the increase in emission levels. As the project moves to completion it will replace existing old and inefficient buildings with new buildings leading to a long term positive impact. The project also factors into the proposal the addition of vegetation/landscaping to create a green belt in order to mitigate/reduce the levels of emissions generated by this site.

We will ensure emission reducing measures are implemented wherever feasible in the design, construction, operation and maintenance of the buildings and public realm.

Once appointed, the main contractor will be responsible for compliance with relevant building regs and other relevant legislation, which RMBC will monitor carefully

Supporting information:	
Completed by: (Name, title, and service area/directorate).	Tanya Shvab, Regeneration, RIDO
Please outline any research, data, or information used to complete this [form].	Initial information was provided by the appointed architects AHR in consultation with their Environmental experts. Stage 4 design information. Planning decision notice for the development is used for reference.
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]	