

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?	Reduces emissions	Installing low carbon heating systems, reduce energy consumption combined with the installation of renewable energy where feasible will reduce carbon emissions from operational buildings	Reduced emissions locally. This scheme also provided an opportunity to encourage other businesses and domestic users to connect to a low carbon alternative. This will be particularly useful where heat pumps are not feasible.	N/A	CO ₂ emissions for the council and for the wider borough are monitored and reported and will continue to be reported to assess reductions achieved and analyse measures used.
Emissions from transport?	Reduces Emissions	There will be minimal impact during the installation phases.	Some increase during installation.	Transport will be kept to a minimum during installation.	Contractors will be required to report project emissions on completion.
Emissions from waste, or the quantity of waste itself?	Small increase in emissions	Emissions may increase due to the removal of old plant and equipment on site.	Small negative impact as per the Council's impacts.	The Council's policies will be followed in relation to waste management. These encourage recycling where equipment cannot be re-used.	Waste management will be monitored throughout the programme.
Emissions from housing and domestic buildings?	Impact unknown	N/A	This may have positive impacts on the Borough if the heat network is able to supply domestic properties.	N/A	Borough-wide CO ₂ emissions are monitored and reported and will continue to be reported to assess reductions achieved and analyse measures used.

Emissions from construction and/or development?	Impact Unknown – likely increase in emissions	There will be minimal impact during the installation phase. These are likely to increase emissions for a short period. Design is not yet complete so this cannot be accurately determined.	Minimal	Contractors will reduce emissions and environmental impact where possible.	Liaison with Council officers will include monitoring of activities to ensure minimal impact
Carbon capture (e.g. through trees)?	No impact	As the works are internal there are no expected impacts on carbon capture of this programme.	N/A	N/A	N/A

Identify any emission impacts associated with this decision that have not been covered by the above fields:

- Reduced CO₂ emissions from Council operational buildings through decarbonisation, increased on-site renewable energy and energy efficiency measures.
- Reduced CO₂ emissions from a heat network, this is generally 59gCO₂/kWh of heat compared with the emissions from a typical gas boiler 228gCO₂/kWh of heat. NB. Allowances may need to be made for use of fossil fuel peaking, allowing for up to 100gCO₂/kWh. Carbon intensities up to 100g CO₂/kWh are considered to be low carbon. From 2030, the bidder has committed to providing a net zero heat source.

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

This scheme will reduce the carbon emissions of the five affected buildings through improvements in energy efficiency; through the supply of low carbon heat and the installation of renewable energy generation. Carbon emissions (via energy use) will be monitored monthly through billing and will be reported upon annually as part of the Council’s carbon accounting process.

Supporting information:	
Completed by: (Name, title, and service area/directorate).	Louise Preston Climate Change Manager Strategic Asset Management Finance and Customer Services
Please outline any research, data, or information used to complete this [form].	Information regarding carbon intensity taken from recent procurement exercise.

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.	Estimation of carbon intensity of heat network modelling provided through procurement response.
Tracking [to be completed by Policy Support / Climate Champions]	Tracking reference: CIA287 Katie Rockett, Climate Change Officer