

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 the Borough 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?	Decrease	<p>There will be an initial increase in emissions during the construction phase, associated with demolition and construction processes. During this phase, waste will be minimised.</p> <p>Demolition of the existing library building is necessary as it is no longer fit for purpose, and it is not viable to retrofit. A new building will be built at the same site.</p> <p>Components of the existing building will be reused wherever possible.</p>	<p>Temporary increases in Borough emission throughout construction.</p> <p>New non-domestic buildings will be designed to minimise carbon emissions operationally.</p>	<p>The new building will comply with Part L of building regs. During detailed design, we will work with the design team to explore sustainable material sourcing, passive heating systems, renewable energy.</p> <p>Once completed, the new library building will have enhanced environmental performance, requiring less energy to heat. Air source heat pumps will be included in the new building as well as photovoltaic energy production.</p> <p>Sustainable sourcing of local materials will be</p>	<p>The main contractor will be responsible for compliance with Part L of building regs.</p> <p>The emissions of the new RMBC non-domestic assets will be recorded and monitored by the council's Climate Change Team.</p> <p>Replacing outdated with energy-efficient buildings is part of RMBC's wider strategy on reducing carbon emissions and will be monitored as part of the annual reporting process.</p>

				<p>practiced wherever possible.</p> <p>The old library was heated with gas and the new building will be all electric in line with the council's drive to achieving Net Carbon Zero by 2030.</p>	
Emissions from transport?	Increase	<p>During the construction phase, there will be an increase in traffic and machinery on site, having an impact on emissions.</p> <p>A slight decrease in emissions is anticipated in operation.</p>	The projects will enhance existing leisure and skills sites across the borough so may generate an increase in visitors/ car journeys.	<p>The public realm will be revitalised to encourage walking and cycling. Active travel will be built into the scheme, including cycle parking tying into the Wath – Manvers cycleway.</p> <p>The site is well connected to public transport links.</p> <p>The number of electric vehicle charging points will be increased.</p>	<p>The main contractor appointed will be required to abide by standards to minimise emissions.</p> <p>Once in operation, RMBC may monitor active travel in Wath more generally and the impact of the project on this.</p>
Emissions from waste, or the quantity of waste itself?	Increase	Increased emissions due to demolition, site clearing works and waste from construction.	Increased waste whilst construction takes place but no expected additional waste from completed scheme	In line with Part H of building regs., waste will be kept to a minimum, with reuse and recycling wherever possible.	As above the main contractor will be responsible for compliance, which will be monitored by RMBC.

Emissions from housing and domestic buildings?	None	N/A	N/A	N/A	N/A
Emissions from construction and/or development?	Increase	<p>The proposed construction works will have a direct impact on emissions. This includes travel to site, operation of vehicles on site, operation of any other vehicles needed to construct/dig proposed components, and the use of local power generation (generators) until permanent power is available.</p> <p>The embodied energy required to produce construction materials will increase emissions.</p>	Temporary increase in Borough emissions during construction works	Compliance with relevant building regs will ensure emissions and waste are kept to an absolute minimum.	RMBC will monitor works and ensure that the main contractor is complying with all relevant regulations.
Carbon capture (e.g. through trees)?	None	A small number of trees and landscaping will be added to the public realm as part of the improvement works, however this is not	N/A	N/A	RMBC will monitor quality of landscaping works and overall environmental impact of the scheme.

		expected to have a notable impact on carbon capture.			
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Identify any emissions impacts associated with this decision which have not been covered by the above fields:

Actual carbon impacts will be firmed up during detailed design stages.

Will the proposal affect Council services' resilience to climate change, or the capacity of people living in the Borough to adapt to climate change?

Libraries provide positive outcomes for community cohesion and access to services which may increase resilience to its impacts. A new modern building can provide greater resilience through better thermal management and can also provide some additional adaptive capacity: 'cold refuges', where people can escape the heat of the day in air-conditioned public buildings, have been proposed as a complement to 'warm banks', as provided in some areas since the energy price crisis of winter 2021/22.

Provide a summary of all impacts and mitigation/monitoring measures:

The scheme is designed to promote a healthier and a more active Wath town centre, with improved public realm and landscaping. The replacement of the existing building will ensure much improved energy efficiency in the operation of the library and commercial unit. This will slightly offset the increased emissions during the demolition and rebuild of the library. Air source heat pumps and photovoltaic energy production will be included in the scheme.

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

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

Supporting information:	
Climate Impact Assessment Author	Nicola Glynne-Jones Project Manager Regeneration and Environment Regeneration Regeneration and Environment
Please outline any research, data or information used to complete this Climate Impact Assessment.	Stage 0-3 Design Information
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.	N/A
Validation	Tracking Reference: CIA345 Katie Rockett Climate Change Officer