

# RAMM Environmental Action Plan 2023-2026

## Current position

- ▶ Exeter City Council (ECC) declared a Climate Emergency in 2019 and aims to achieve Net Zero greenhouse gas emissions for its own corporate activities by 2030
- ▶ In 2022, EEC published its Corporate Net Zero Carbon Reduction Plan 2022-2030 which included 3 key actions in relation to RAMM:
  - Carry out a full energy efficiency and demand reduction investment grade audit
  - Improvement opportunities to include sector based changes to temperature and humidity controls for temporary exhibitions and permanent galleries to reduce consumption
  - Replacement of Air Handling Units
- ▶ In September 2021 RAMM's Sigma Building Management System control panels were upgraded & replaced with Eco Struxure equipment, linked to a new energy management information system (Resource Advisor) that will allow RAMM to visualise measure and monitor consumption more dynamically.
- ▶ In March 2023 RAMM replaced permanent gallery halogen display lighting with LED equivalent after securing a grant of £50,000 from Viridor Credits Environmental Company (now Valencia Communities Fund).
- ▶ In April 2023 ECC accepted a Public Sector Decarbonisation Scheme grant of over £6,300.000 to replace the heating systems in 2 buildings from the non-domestic corporate portfolio, including RAMM. The full feasibility study for the scheme will be carried out during 2023/24
- ▶ RAMM's electricity contract is purchased on a green tariff based on renewable energy production.
- ▶ Both RAMM and RAMM's off-site collection store ('The Ark') benefit from solar PV arrays. (The Ark was designed by Eco Architects Gale & Snowden as a sustainable, high thermal mass building in 2005/6)

# Action Plan

## Annual Actions

Objective	Action	Responsibility
Encourage staff to travel to work using sustainable means of transport, including working from home where appropriate	The Museum operates and agile & flexible working policy and advocates the Council's Green Travel Plan	CH
Replacement of equipment at end of life with energy efficient alternatives	Council wide Sustainable Procurement Strategy adopted	CH
Setting out benchmark data for energy consumption	Monitoring to clearly identify goals to reduce energy consumption and carbon emissions	JP/PW/TW/CH
Effective building Management	Continue to identify greatest efficiencies available and resources to implement.	JP/PW/MG/TW/Property Assets
Julia's Bicycle data submission	RAMM performance monitored and evidenced (June)	CH/PW/JP
Comply with all relevant environmental legislation	Maintain compliance	CH/PW/JP/TM
Awareness of and engagement with climate emergency issues among staff and visitors	Rollout of Carbon Literacy training, including to all members of Management Team. RAMM Environmental Champions promote and bring forward ideas for raising awareness	CH/Environmental Champions

## 2023-24 Actions

Objective	Action	Responsibility	Measure
Increase staff and visitor awareness of climate crisis, embed understanding of Environmental Responsibility IP and the need for positive climate action	Roll out Carbon Literacy training to staff	AHB/ALL	Minimum 20 staff Carbon Literate by March 2024
	Set up staff consultation session on Environmental Responsibility IP (targeting GHG emission reduction for RAMM)		First Consultation session by end 2023
	Publish sustainable sourcing statement for The Shop @ RAMM	RH	By Sept 2023
	Set up a 'forum for action' to include all Carbon Literacy trained staff at RAMM	CB	Forum set up by August 2023
Improve monitoring and measurement of energy usage data to inform future planning	Provide training for Mechanical engineer in use of Resource Advisor tools. Include the development of energy use reporting widgets in their workplan	AHB/JP	Training session delivered by Oct 23. Reporting plan developed by Dec 23 and Resource Advisor used effectively by March 2024.
Reduce energy consumption through efficiency and	1. Carry out Energy Efficiency and demand reduction investment audit	CPU / Net Zero team/ CH	Audit to appear in PSDS scheme development planning docs

demand reduction	2. Review environmental control settings in line with current sector guidance.	AHB/TW/P McL	Initial review by March 2024
	3. Review AHU programming to ensure settings maximise energy efficiency	PMcL/TW	Review completed by December 2023
	4. Establish feasibility of PSDS plan to replace gas boilers with heat pumps	Net Zero Team (JP/PW)	Breathe Energy undertake feasibility study during 2023/24
	5. Establish feasibility of connection of Museum Buildings to planned Local Area Heat Network	Net Zero Team (JP/PW)	Review undertaken by March 2024
Understand the impact of climate change on the historic building fabric	Liaise with ECC Heritage Officer & Historic England to investigate whether RAMM would be a suitable venue to form an HE case study	AHB/TW/ OC	Host meeting with HE at RAMM by Autumn 2023

## 2024-26 Actions

Objective	Action	Responsibility	Measure
Increase staff awareness of climate crisis, the need for positive climate action and embed understanding of Environmental Responsibility IP	Continue roll out Carbon Literacy training to staff  RAMM cross departmental 'Forum for Action' meets monthly to drive staff engagement	AHB/ALL	Minimum 10 more staff Carbon Literate by March 2025  Group includes min 1 member from each RAMM team and meets monthly. 1 <sup>st</sup> report & recs by Nov 2024
Effective monitoring and measurement of energy usage data to inform planning	Net Zero Team and Mechanical Engineer review Resource Advisor widgets to maximise usefulness of data collected.  Set targets for future years during 24/25	Net Zero Team/ PMcL/TW	Demonstrable energy savings
Reduce energy consumption through efficiency and demand reduction	1. Commission a costed scheme and proposal for replacing all back office fluorescent lighting with LED equivalent  2. Undertake PSDS scheme to replace gas boilers with heat pumps  3. Monitor AHU programming to ensure settings	CPU / Net Zero team/ CH  Net Zero Team(JP/PW)/CPU  PMcL/TW	Proposal by Sept 2024  NB: depends on results of 23/24 study, scheme to be completed by March 2025  Demonstrable energy savings

	<p>maximise energy efficiency</p> <p>4. Work with ECC fleet services to ensure RAMM vehicles are replaced with electric vehicles when due for replacement in 26/27</p>	Fleet (BS)	2 x RAMM vehicles replaced with electric equivalents during 2027
Mitigate the impact of climate change on the historic building fabric	If 23/24 liaison successful, work with Heritage Officer & Historic England to use RAMM as a case study in modelling the adaptation of historic buildings, which will lead to building fabric & other improvements	AHB/TW/OC	<p>Note: subject to outcome of 2023/4 liaison</p> <p>Publication of Case Study</p>

