

Rushcliffe Borough Council Carbon Management Plan 2024

Themes:

1. Property Assets;
2. Fleet and Transport;
3. Contracts and Procurement;
4. Policy and Regulation;
5. Waste and Recycling;
6. Operational Activities;
7. Community and Businesses;
8. Offsetting

Timescale: I = Implemented / ongoing; S = within 1 to 2 years; M = between 2 year and 5 years; L = 5 - 10 years

CO2 saving = Low (<5%), Medium (5-25%), High (>25%)

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
Property Assets				
1.1.	Following on from the delivery of the Heat Decarbonisation plans resourced by Shared Prosperity Fund, use these to bid into future SALIX pots. A bid has been put into Public Sector Decarbonisation Scheme 3c for Julian Cahn and Gamston Community Hall	Property Services	S	Medium - Can provide up to 5 - 20% saving (Carbon Trust)
1.2.	Deliver innovative zero carbon heating solutions to the most carbon emitting leisure centres using grant funding from SALIX. Utilise other grant streams to further improve existing low carbon/net 0 assets such as Rushcliffe Country Park. Deliver the SALIX PSDS 3b project to decarbonise Cotgrave Leisure Centre. Heat pump unit is currently being manufactured thanks to detailed designs being completed.	Property Services	M	High - e.g. 20 - 40% saving for heat pumps over conventional heating (WebRef1)

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
1.3.	Build upon the energy data benchmark that has been established for the RBC stock data and use the ongoing energy auditing to capitalise on the most cost/carbon saving recommendations such as power perfectors and/or zoning controls for heating This is being considered under the HDP plans being written. Leisure Energy is specifically exploring the Rushcliffe Arena CHP unit and this will feed into the above. Once collated, again this can be put into a large SALIX bid.	Property Services	S	Medium – up to 30% of heating can be lost through poorly insulated buildings (Carbon Trust)
1.4.	Investigate purchasing green energy tariffs (<i>however this is not taken into account in official Green House Gas emission audits – only inhouse generation can be included</i>)	Property Services	S	High - 281 T (grid electricity, if 100% green grid electricity)
1.5.	Undertake a feasibility study of using natural ventilation mechanisms on property portfolio buildings	Property Services	M	TBC
1.6.	Deliver upgrade to power supply on the Croquet Lawn in West Bridgford to reduce use of diesel generators at events and markets	Property Services	M	Low - 10 KW generator replaced by grid electricity ≈ 4 Kg CO2 / hour saving (BEIS, 2019)

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
1.7.	Review the portfolio of leisure centres including Bingham, East Leake and Keyworth and consider installation of solar photovoltaic in order to deliver large savings on the running costs due to the high electricity demand from the ventilation systems plus exercise equipment etc..	Waste and Contracts	L	High - Up to 30% Leisure Centre emissions (WebRef2) Potentially more if Hydrogen fuelled
1.8.	Build upon the energy data monitoring exercise that has happened and work to establish if a cloud based system can be demonstrated as a cost saving system as well as a major potential carbon saving scheme.	ICT	M	Low
1.9.	Review the carbon footprint of e-services and cloud-based services and consider how council service can best be delivered (including e-services, documents transfer and electronic postage and online public services).	ICT	M	Low
1.10.	Consider business case to purchase empty properties, retrofit and resell in line with empty homes policy	Strategic housing	L	N/A
1.11.	Provide free to use cold-water dispenser in all public areas of property portfolio (including Leisure Centres)	Property Services	M	N/A
1.12.	Promote improved energy efficiency standards for RBC residents. Actively explore funding opportunities. Promote and deliver them.	Community Development	M	>5%
1.13.	Support the Council's estates team to explore alternative premises (SAP rated A/B) to utilise as the council's homeless hostel or, if that is not feasible, explore retrofit options for the existing premises.	Property Services Strategic housing	L	>5%
1.14.	LAD 3 HUG 1 complete, HUG 2 and DEVO underway, both of which are 2 year projects. This will deliver energy efficiency/renewable energy interventions to around another 60 homes	Community Development	S	N/A
Fleet and Transport				

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
2.1.	CENEX fleet report now completed and has mapped out a very comprehensive decarbonisation plan for all council fleet. This has allowed us to confirm our strategic plan to switch to HVO for our large fleet in order to drop our carbon emissions by 90%. This will also allow us the time to be able to evaluate the best long term 0 carbon strategy for the future vehicles.	Waste and Contracts	L	High >70% transport emissions (WebRef3) (e.g. ~30T per vehicle per year for H duel fuel)
2.2.	Investigate and replace / upgrade, small vans/vehicles with electric powered vehicles (including establishing charging infrastructure) [including R2Go, facilities, Country Park and dog control van and now Streetwise] Included within the above review	Waste and Contracts	M	Medium - 17-30% of van emissions (WebRef4) with grid supplied standard electricity
2.3.	Integrate driver training with annual certification and investigate 'in cab' monitoring and route optimisation	Waste and Contracts	S/M	Low - 15% fuel saving (EST)
2.4.	Promote active travel to the public (e.g. school travel plans including accreditation (stars) and walking bus; travel choice programme including active travel; well-being at work scheme / work place health; Business e-bike scheme; healthy futures fund – cycling on prescription; Community cycling groups; Ridewise training) Walking and cycling action plan	Community Development (Working with NCC and public health)	M	Low impact on council emissions but provide potential district savings
2.5.	Develop a staff travel promotion / incentive scheme for alternative travel	Financial Services	S	Low
2.6.	Widen access to the Staff Cycle purchase scheme	Financial Services	S	Low
2.7.	Extending provision of EV charging points on the Rushcliffe estate e.g. in borough car parks. Working with Zest Energy and rolling out a funded scheme across all viable carparks to include West Bridgford and Cotgrave Leisure Centre	Community Development	M	Low

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
2.8.	Develop a strategy for further EV charging points across the borough	Economic Development/Waste & Contracts	M	Low
Contracts and Procurement				
3.1.	Leisure operator contractual obligations. - Build energy targets into the new leisure provider contract and monthly energy use monitoring	Waste and Contracts	S	Low
3.2.	Build into current contract / extension for leisure operator that green energy tariffs must be used at New Bingham LC	Waste and Contracts	S	N/A
3.3.	Ground Maintenance operator contractual obligations. - Build travel / fuel emission targets into the Ground Maintenance provider contract and monthly fuel monitoring of Rushcliffe contract	Waste and Contracts	M	Medium
3.4.	Review purchasing / procurement policy to prioritise sustainability	Financial Services	S	Not measured
3.5.	Implement the £1.2M Public Sector Decarbonisation Plan 3b (PSDS 3b) to decarbonise Cotgrave Swimming Pool. Use this as a template to roll out to other buildings and assets where applicable to attract such funding in the future.	Property Services	L	High – up to 30% of heating can be lost through poorly insulated buildings (Carbon Trust)
3.6.	Working with Metropolitan Thames Valley Housing to facilitate them installing another 90 external wall insulation installations in East Leake. They are now acting on this with land provided by the Council to site a works compound	Strategic housing	M	Low
Policy and Regulation				

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
4.1.	Promote carbon reduction policies and guidance to developers working in Rushcliffe and ensure Health Development Checklist used for all appropriate planning applications, BNG has now gone live and the Ecology and Biodiversity Team are working closely with Planning to implement this. They are also reviewing land, policy and private BNG providers to explore off setting within and just out of the Borough	Planning and growth	S	Low impact on council emissions but provide potential district savings
4.2.	Continue to work with Estates in order to identify and bid into future schemes such as SALIX to further improve existing stock using the Heat Decarbonisation Plans (HDP) that have been funded through the Shared Prosperity Funding	Financial Services	M	Low impact on council emissions but provide potential district savings
4.3.	Introduce all HIMO's to have conditions on licence for minimum energy efficiency standards (e.g. EPC rating E <u>or better</u>)	Environmental Health	S	Low impact on council emissions but provide potential district savings
4.4.	Enforcement of minimum energy efficiency standards in the private rented sector (PRS)	Environmental Health	S / M / L	Low impact on council emissions but provide potential district savings

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
4.5.	Introduce Taxi licensing minimum vehicle emission requirement (e.g. maximum age of vehicle, EURO class, emissions monitoring etc)	Environmental Health	M	Low impact on council emissions but provide potential district savings. Carbon Footprint of conventional Taxis 600 g per passenger km (Ref5)
4.6.	Review Air Quality Strategy to include carbon reduction targets	Environmental Health	S	Low impact on council emissions but provide potential district savings
4.7.	Implement an Environmental Ethical Investment Policy	Financial Services	S	Not Measured
4.8.	Review Service level agreements to include sustainability criteria (including RCAN, RCVS, Professional Sports Club, Notts Wildlife Trust).	Community Development	S	Low impact on council emissions but provide potential district savings
4.9.	Review and update the standards and conditions document for allotments (including West Bridgford allotments)– sustainability, materials, waste, energy, water supply and capture etc.	Community Development	S	Low impact on council emissions but provide potential district savings

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
4.10.	Review and implement the market quality and standards documents to address sustainability, plastic packaging and bags etc	Economic growth	S	Low impact on council emissions but provide potential district savings
4.11.	Ensure at least minimum energy efficiency standards are achieved in new funded social housing [Investigate non gas grid solutions]	Strategic Housing	S	Low impact on council emissions but provide potential district savings
4.12.	Work with Registered Provider partners on a sub-regional basis to review their existing stock assets and support bids to improve energy efficiency. MPTV housing are delivering 90 EWI installs as part of the Social Housing Decarbonisation Fund programme in East Leake. This is aimed at the British Iron and Steel Federation (BISF) concrete prefabricated homes.	Strategic Housing		
4.13.	Working collectively to support the delivery of the D2N2 Energy Strategy and develop and deliver tangible energy action plans and area wide carbon reduction	EMT		
4.14.	Work closely with D2N2 on the devolution strategies in order to ensure that collaborative funding bids can be captured such as regional energy mapping and large scale energy schemes (batteries, solar and/or retrofit. Working closely with County Council to deliver a bulk buy solar electric scheme for all residents within the Borough. Also developing a series of off the shelf procured Devolution retrofit scheme that can be easily invested into by the elected Mayor.	Senior Management / Cabinet	M	
4.15.	Support the development of a masterplan for the Ratcliffe on Soar site which maximises the assets on the site including the grid connection which lends itself to the site being a test bed for next generation energy production	Economic Development / Planning Policy	L	L <5%

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
4.16.	Develop Supplementary Planning Documents e.g. for Energy Efficiency and low carbon developments; Renewable Energy; Climate Adaptation; Green Infrastructure etc	Planning Policy	M	L <5%
4.17.	Investigate requiring new developments to provide a 'carbon score' showing the carbon footprint of each property and its likely running cost	Planning Policy	M	L <5%
4.18.	Develop climate adaptation plans for Rushcliffe	Community Development	M	L <5%
4.19.	Follow up monitoring of Environmental Policy and action plans arising from new requirement in SLA.	Community Development	M	L <5%
4.20.	Biodiversity NET Gain - Biodiversity credits. Creating land bank.	Community Development	L	M 5-25%
4.21.	Speak with Landowners in RBC to see if we can influence Biodiversity. (Leisure providers 4 private golf courses plus Edwalton)	Community Development	L	M 5-25%
4.22.	Assess the impact the Environment Bill will have and the implications this will have for RBC	Community Development	M	M 5-25%
Waste and Recycling				
5.1.	Prepare for the requirements of the Resources and Waste Strategy for England and Environment Bill on waste and recycling collection and segregation	Waste and Contracts	M	TBC
5.2.	Resident behaviour change campaigns - waste minimisation	Waste and recycling	M	L <5%
5.3.	Comms project on high carbon waste items (Food, Textiles, batteries and plastics)	Waste and recycling	M	L <5%
5.4.	Investigate the potential Impact of DRS's on kerbside collections and	Waste and recycling	M	L <5%
5.5.	Investigate the use of carbon impact targets over weight data	Waste and recycling	S	M 5-25%
5.6.	Fuel/carbon impact (if measurable) in returning for missed bins.	Waste and recycling	S	M 5-25%
5.7.	Investigate impact of housing growth on refuse collections and how that could affect RBC ambition to become CN by 2030	Waste and recycling	M	M 5-25%
5.8.	Impact of round rebalancing	Waste and recycling	M	M 5-25%

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
Community and business				
6.1.	Signposting to support and grants for SMEs around green business issues.	Economic Development /Community Development	M	L <5%
6.2.	Support our big businesses to act as champions of low carbon in Rushcliffe, to share ideas and support other businesses in the Borough, particularly SMEs	Community Development	S	L <5%
6.3.	Continue to deliver the bespoke support for Rushcliffe Parish Councils in order to give them the information needed to decarbonise their own assets, bid into grant funding pots and develop their own outreach campaigns for resident. Also working very closely with Nottingham County Council who now have a specific department for working with Parish Councils to again assist with climate change.	Community Development	M	L <5%
6.4.	Promote use of green spaces through social prescribing	Community Development	M	L <5%
6.5.	Promote sustainable management of sports clubs / grounds	Community Development	M	L <5%
6.6.	Continue to deliver the promotion of climate change through our trained inhouse Carbon Literacy and Climate Fresk Senior Ecologist and Sustainability Officer, to both internal and external stakeholders. Continue delivering the Parish Council climate change support through visiting them and giving high level support.	Community Development	M	L <5%
6.7.	Identify and work with key influencers within Rushcliffe on Carbon Management best practice	EMT / Cabinet	L	L <5%
6.8.	Repair bike voucher scheme (Promote to local residents)	Community Development	M	L <5%
6.9.	Investigate schools engagement programme around climate change/sustainability	Community Development	M	L <5%
6.10.	Work with Town and Parish Councils to try and align RBC CN ambitions	Community Development	M	M 5-25%

In addition to the Carbon Management Plan we have Operational actions which are monitored

Ref.	Action	Lead Specialist	Timescale
	Operational		
7.1	Provide strategic and financial leadership to drive ongoing carbon reductions	Senior Management / Cabinet	L
7.2	Develop and promote Carbon Clever Brand	Communities	L
7.3	Review council publications and see if reduced carbon options are possible (e.g. e-publications)	Democratic Services	S
7.4	Carry out assessment of facilities single plastic use and review options to reduce	Community Development	S
7.5	Audit carbon footprint of events / council engagements and review options to reduce	Community Development	S
7.6	Use electronic payments and documentation where possible. Move away from sending cheques and look to make payments electronically. Switch over to e-billing for companies that we still receive paper invoices from (where available). Increase use of email for remittances / invoices / reminders etc.	Financial Services	S
7.7	Establish a Climate Change Action Reserve fund (facilitating other actions in this plan)	Financial Services	S
7.8	Establish Baseline for RBC Scope 3 emissions (including Leased buildings and Supply Chain)	Community Development	S
7.9	Digital First - Printing reduction for Member papers/agendas and reports	Legal Services	S
7.10	Carbon Literacy training for staff and Members	Community Development	S

As well as key actions designed towards offsetting residual carbon which cannot be removed / reduced (i.e. last resort upon plan completion)

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO ₂ e Saving
	Offsetting			

Ref.	Action	Lead Specialist	Timescale	Estimated Potential CO2e Saving
8.1	Revisit existing large stock such as Rushcliffe Arena and work with established contractors to develop fabric enhancements, existing system efficiencies and retrofit renewable energy systems that both save large amounts of money and carbon.	Transformation	M	
8.2	Investigate set up a Carbon Offset Fund through Section 106 agreements / CIL. Will generate funds for investment in low carbon projects.	Planning and Growth	M	
8.3	Develop a tree planting plan on council portfolio	Community Development / Property Services	S	H >25%
8.4	Establish RBC's own tree nursery (so native trees can be grown from seeds)	Community Development	M	L <5%
8.5	Replace wind turbines at Rushcliffe Country Park if cost effective to do so	Community Development	S	
8.6	Consider establishing a community energy scheme (a community owned energy generating company e.g. community solar farm). Solar bulk purchase via a auction and also working with community groups like Bunny Energy Group to assist in delivering community schemes.	Community development	M	L <5%
8.7	Investigate Natural Climate Solutions for Rushcliffe, in line with Rushcliffe Nature Conservation Strategy, in partnership with land owners / managers	Community Development	M	L <5%
8.8	Look to purchase land. Pro-active approach, for off-sett.	Transformation	L	M 5-25%