

City Council Net Zero Risk Register

Ref	Service	Risk Title and Description	Date Risk Identified		Inherent Risk		k		idual Ris	ik .	Target	
					L'hood	Impact	Existing Mitigations & Controls (What has been done to control the risk?)	L'hood	Impact	Further Mitigations & Controls to be put into place	Implementat ion Date	t Notes
1	Net Zero & Business	Target to reduce City Council carbon emissions to 'net zero' by 2030 Potential Causes: Funding constraints and scope of grants Ineffective data monitoring & methodology Change in Strategic Priorities Lack of understanding of climate emergency and net zero ambition Services unwilling or with lacking capacity to support Lack of staff capacity to deliver net zero work Lack of staff capacity to deliver net zero work Lack of staff capacity to deliver net zero work Surving or building new buildingsproperty Local DNO constraints restrict electrification needed to deliver projects Potential Impracts: Not a chieving Strategic Priority of Net Zero Carbon City Reputational risk and damage Carbon emissions not decreasing Services being under the spot light as high carbon emitters Greater reliance on offsetting to meet targets High spend to achieve aggressive carbon reduction methods	13/06/2022	Net Zero Project Manager	4	4 16	- Establishment of Net Zero Team - Regular engagement with relevant Directors on changes needed to reduce service carbon emissions - Engagement with South West Centre for Energy and Environment (SWEEG) to establish improved data and changes required to reduce carbon emissions and production of Corporate Carbon Footprint As a result of improved data collection and interpretation the City Council's carbon emissions with annual inventory reporting. Emissions for 2022/23 were were 46.495 (CO2e, which represents a reduction of of 1,959 (CO2e (44%) on the previous year Engagement with the Devon Climate Emergency partners - Networking nationally to learn best practice with industry and other public organisations - Carbon Literacy training roll out programme in place delivering training to Net Zero Ambassadors, SMB, OMB, Cilis and other officers, Carbon Literacte Organisation Brorze standard achieved Monitoring legislative changes to support a reduction in carbon emissions - Regular 1-2-15 with Portfolio Holder for Climate and Ecological Change - Be open and transparent with all Net Zero Ambassadors, Officers, Service areas and Cilrs - News items regularly posted in City Newsletter and website - Dissemination of the Water Lane Smart Grid and Storage Project - Costed organisational cathon descent report underway by Centre for Energy and Environment to review Net Zero 2030 target and lay out 3 scenarios for decarbonisation	3	4 1	Review targets and continue to update and revise carbon reduction plan Continue to deliver regular updates and presentations to Audit & Governance on the Risk Register, Carbon Footprint and implementin of the City Council Carbon Reduction Plan Contracts of Net Zero Data Support Officer and Sustainability Project Officer will end in March 2026. Contracts need to be extended, or this will result in failure to deliver the Carbon Reduction Plan and meet Net Zero targets Net Zero Ambassador meetings to resume after completion of new Council management restructure, to share best practice and support service changes. Ambassadors to be involved with setting annual action plan and to be allocated budget to reduce carbon emissions within service area.	2030	Costed organisational carbon descent report to be presented at Scrutiny Committee, November 2024
2	Net Zero & Business	Unable to reduce City Council Scope 1 direct emissions from owned sources (fuel consumption and company vehicles) Potential Cause: Installity to plan for net zero due to uncertainty of assets disposal Lack of financial resources to make changes within each service area Lack of final direct or condition data and investment audits and associated funding Funding packages do not fit with City Council's Strategic Priorities or eligibility match Lack of asset layin managing external funding bids and delivery of multiple projects Increasing temperatures result in reduced heating and therefore show decline in emissions but mask lack of efficiency Lack of investment and matenance of corporate estate drives up costs of decarbonisation projects Lack of investment and matenance of corporate estate drives up costs of decarbonisation projects Lack of investment and matenance of corporate estate drives up costs of decarbonisation projects Lack of threshological advancement Local DNO constraints restrict ability to support electrification and compromises projects Potential Impacts: Backlog of projects and initiatives developed Innovative projects not abit to progress with low feasibility or asset uncertainty Net Zero projects statled, due to lack of external / Internal funding Otify Council unable to achieve net zero by 2030	15/06/2022	Net Zero Project Manager	3	4 12	Potential sources of funding from PSDS, Sport England, MEND and internal invest to save opportunity is routinely investigated and prepared for Investment grade decarbonisation audits carried out on a priority basis, to target available grants to establish work needed and cost. Regular discussions with other local public organisations to evaluate joint funding bids. Development of a comprehensive business case when viable. Engagement with Procurement to better plan for project delivery. BMS in place to provide better data monitoring and controls. A wide range of housing measures to reduce emissions from domestic housing stock is supported by better data and a range of effective measures around energy efficiency. Water Lans Solar Farm battery strage in place, directly connected to EV charging infrastructure to support full electrification of fleet, replacing estisting ICE vehicles. Report to support whole fleet decrification and equipment across all services completed. City Heat Network in development with potential to connect to some ECC buildings to be agreed. Alternative fuel for fleet vehicles being considered as potential interim fuel option.	2	4 4	Continue to monitor and seek funding opportunities and establish business case for viable projects Regular discussions with DCC & LEP to secure funding for Exeter region Continue to seek grants to fund detailed decarbonisation plans needed to deliver more aggressive measures in high consumption buildings Granter asset management capacity needed to deliver energy efficiency for corporate property maintenance Continue to investigate leasing options and availability of alternative fuels and viable EV solutions, to decarbonise fleet and equipment across all services	2030	Funding required is limited by scope of grants, and current financial instability including cost of borrowing and EV leasing cost.
3	Net Zero & Business	Unable to reduce City Council Scope 2 indirect emissions from generation of purchased energy Potential Causes: Energy efficiency measures fail to drive down consumption as per Scope 1 (above) Change in national policy which does not incentivise PV Valizating rid decarbonisation is abover than forecastion of the Cause of the C	15/06/2022	Net Zero Project Manager	3	4 12	Significant Solar estate (3.4 MW) installed across the corporate estate, including Water Lane Solar farm and private wire self-supply to Exton Road depot Battery storage installed at Verter Lane Solar farm, Livestock Centre and John Lewis Car Park to increase self supply LED lighting schemes installed where viable across corporate estate Development of a comprehensive business case presented to support energy saving schemes SW Net Zero Hub grant (£100)s secured to establish solar opportunities for solar PV on 10 corporate assets Collaborating with finance / legal / audit / procurement for delivery of energy saving projects Regular discussions with other local public organisations to evaluate joint funding bids BMS in place to provide better data monitoring and controls	3	3 4	Continue to investigate further energy saving solutions across corporate estate and services Collaborate with local public sector bodies to ensure joint schemes are explored Continue to monitor and seek funding opportunities and establish business case for viable projects	2030	Local DNO constraints restrict connections and ability to deliver renewable projects. Capacity is dependent on completition of Matford BSP. National Gird report that this is projected to last for 3-4 years
4	Net Zero & Business	Unable to reduce City Council Scope 3 other indirect emissions (supply chain, assets, investment, waste disposal, employees commuting) Potential Causes: - Insufficient data capture to provide meaningful incentive for reduction and identify where greatest reductions can be made - Methodology for calculating majority of Scope 3 emissions is based on financial spend and therefore not an accurate reflection of type of purchase and services - Procurement Policy unable to support carbon reduction measures in our supply chain e.g. contactors do not or unable to reduce emissions - City Council new build and purchase of new assets - Studing manance lower cost options takendon't consider sustainability, increases greenhouse gas emissions and spend the longer term Potential Impacts: - Scope 3 emissions increase on an annual basis - City Council unable to achieve net zero by 2030	13/06/2022	Net Zero Project Manager	4	4 16	Procurement Policy amendment to support a reduction in Scope 3 emissions Officers responsible for procurement decisions within their own service area to follow sustainability principles Regular internal and external communications to introduce better methodology to capture accurate meaningful data to incentivise reduction, "you cant manage what you don't measure" LEVI bid to support further EV charging infrastructure to include staff EV charging New technology and agile working facilities for reduction in staff travel emissions Procurement Working Group provides for regular discussions with Procurement and Heads of Service on how to best tackle Scope 3 emissions Procurement rules have been implemented in May 2024. All contracts exceeding £25,000 must now disclose carbon toophint data. For contracts valued over £100,000, stricter environmental standards apply, including mandatory carbon footprint disclosure and the requirement to hold an environmental accreditation. Green Accord accreditation. Green Accord accredition scheme relaunched to better engage with Council's supply chain and support contractors to reduce emissions Green Travel Plan undergoing review to support and incentivise staff in making more sustainabile travel choices for communing and business travel	3	4 1	Embodied emission evaluation needed for Council developments and acquisitions, to assess whole life impact of carbon emissions. This includes assessment of building new versus use of existing assets and building efficiently Sustainable building maintenance policy to review lifecycle emissions and overall cost benefit of low carbon alternatives	2030	New procurement rules implemented in May 2024 require disclosure of carbon footprint data for all contracts exceeding £25,00. Contracts valued over £100,000, stricter environmental standards apply, including mandatory carbon tootprint disclosure and the requirement for a contractor to have an environmental accreditation.



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Ref	Service	Risk Title and Description	Date Risk Identified	Risk Owner	L'hood	Impact	Existing Mitigations & Controls (What has been done to control the risk?)	L'hood	Π.	Impact	_	Further Mitigations & Controls to be put into place	Target Implementa ion Date	Notes
5	Net Zero & Business	Asumption that we can rely on offsetting (e.g. tree planting) to achieve net zero Potential Causes: Not enough scope available to fulfil potential offsetting needed to meet net zero Additional planting of trees cause land use change, removing play areas and other valued land uses (AFIG emission savings vary depending on planting of different biomass Impact of Ash die back on existing tree canopy decreasing carbon stored in ECC trees Potential Impacts: - Planting trees isn't reducing emissions, therefore masks existing emissions - Oly Council unable to achieve net zero by 2030 - Reputational damage & risk to investment	15/06/2022	Head of Service City Centre & Net Zero	3	3	2020/21 Corporate Carbon Footprint Report set outs definitions of quality criteria needed for offset projects and to use where emissions are unavoidable -1Tree cor report completed which explores Exet's trees' potential to influence net zero balances costed organisational carbon descent report underway by Centre for Energy and Environment to review Net Zero 2030 target and lay out 3 scenarios for decarbonisation, and will review options for offsetting	2		2	4	P&GS and Planning working on Local Infrastructure Plan which will allocate land for offsetting, Suitable Alternative Natural Greenspaces (SANGs) and Biodoversity Net Gain BNO Ensure Scope 1, 2 & 3 emissions reductions remain a priority before considering offsetting	2030	Costed organisational carbon descent report funderway by Centre for Energy and Environment to review Net Zero 2030 target and lay ut 3 scenarios for decarbonisation, and will review options for offsetting
6	Nel Zero & Business	Operational Climate Change Impact Risk: Employees unable to work due to increased temperatures and extreme weather events (e.g. heatwaves, droughts, heavy and prolonged rainfall, flooding, storms) as a result of climate change Potential Causes: **Outdoor workers suffering from extreme weather and temperature related illnesses, including heat stroke / heat exhauston /hypothermia / hyperthermia / vector-borne diseases (e.g. Lyme disease, Malaria) **Effects on property owned & leased by the City Council, e.g. foots leaking due to inability to cope with heavy rainfall something of the council of the	06/02/2023	Net Zero Project Manager	3	2	Procuring appropriate work wear for outdoor workers Adjusting operational work programmes during extreme weather, e.g. during heatwaves, starting earlier and extreme seasons are seasons of the seasons	2	*	2 .	4 ·	I Identify and monitor risks through service-specific climate vulnerability and adaptation assessments Build resilience to avoid service disruption Continue to educate employees on risks to physical and mental health of climate impacts Create emergency preparedness plans for all sites and add to corporate risk register	2030	
7		Operational Climate Change Impact Risk: Services and budgets at risk from climate related failure and global effects on the energy system Potential Causes: - Power outages as result of wind, heat, ice and snow - Impact of war affecting national energy supply, security and economic toll Potential Impacts: - Essential services not being carried out - High expenditure/budget overspend/affordability - Increase in cost to the run the service affected	06/02/2023	Net Zero Project Manager	3	2	Installation of solar PV across corporate estate and Council housing stock to reduce reliance on national grid Installation of battery storage at Water Lane, Matford Centre, John Lewis Car Park and Riverside allowing for smart grid use and increased energy coverage	2	2	2	4 a	Continue to investigate renewable energy opportunities to identify and fund solar PV and other renewable energy supply opportunities for the corporate estate and housing	2030	Funding required is limited by scope of grants, and current financial instability including cost of borrowing.
8	Net Zero & Business	Operational Climate Change Impact Risk: Risks to tenants and leaseholders health, wellbeing and operationally from increased exposure to extreme weather in homes, corporate buildings and land Potential Causes: Increase in Frequency and severity of extreme weather events as a result of climate change *Building regulations, strategies and planning reforms regressing, resulting in standards that Council homes are currently built at to fall backwards *Lack of funding resulting in inability to retrofit existing Council homes and corporate buildings Potential Impacts: - Tenants moving out of leased buildings *Tenants moving out of leased buildings *Tenants moving out of leased buildings *Loon mover and of damage to properties as a result of flooding, including insurance costs *Long term economic impact on tourism and/or businesses following flooding events, due to lost revenue and recovery time *Increased water demand on Public and Open spaces during drought periods	06/02/2023	Net Zero Project Manager	3	2	Council housing built to Passivhaus standards, a highly energy efficient future-proofed standard tha assesses future overheating Extensive retrofit programme following "tabric first" strategy underway to build resilience in existing homes	at 2		2	4	- Continue to monitor and seek funding opportunities for retrofit to remaining housing stock and corporate property estate Continue to use City Council news and social media communication plantorms to notify and advise of upcoming adverse weather forecasts Continue to collaborate with DCC and Devon district groups to improve regional resilience	2030	Continue to collaborate with DCC and DCE Tactical Group to ensure alignment of adaption measures and improved regional resilience
9		(Risk Title) Potential Causes: Potential Impacts:												