

APPENDIX B: CORPORATE CARBON REDUCTION PLAN 2022- OUTTURN

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
3.1.1	Prepare a 5 year rolling plan to address the retained corporate buildings in a priority order with a fabric first approach to energy saving	Service Director HR & OD	This action relied on the result of a condition survey. Further, a request for funding to the Climate Emergency Investment Fund was submitted so that the resources needed to prepare and deliver the 5 year plan could be actioned. The funding request was approved in May 2022, so the programme can proceed once the condition surveys are completed.	Achieved in Part	Yes
3.1.2	Develop a costed programme of air and ground source heat pumps required to decarbonise City Council buildings.	Service Director SP&I	A systematic approach was taken to identify the Council's top 10 buildings to decarbonise using heat pumps. This desk based work was completed and a list drawn up. Quotes were obtained to complete technical audits on those, these totalled £100k. Salix funding was applied for to cover the cost of this in September 2022 but we were unsuccessful in our application and as such the audits are not complete.	Achieved in part	Yes, as part of wider programme
3.1.3	Develop a Water Reduction Action Plan to achieve a 20% reduction in water use.	Service Director HR & OD	There is no movement on this currently due to resourcing issues, however we do receive advice from suppliers where appropriate.	Not Achieved	No - to be considered as part of new corporate adaptation plan, which will be proposed in NZAP
3.1.4	Reduce energy consumption by minimising the temperature in all council offices following consultation with staff.	Service Director HR & OD	The space-heat policy was reviewed for winter 2022 and we are currently operating at lower temperatures.	Achieved	Yes, to investigate potential to go further
3.1.5	Finalise a grassland management policy to maximise opportunity to manage areas for habitat to counter habitat loss and species decline.	Service Director Street Services	Grassland management policy for 2022 cutting season was agreed with relevant Cabinet Member and shared with all Councillors. Policy seeks to balance approach to grassland management between for people and nature. Categories of green spaces are given designated cutting regimes. The following objectives are set out in the policy.	Achieved	No - to be considered as part of new corporate adaptation plan, which will be proposed in NZAP

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			<ul style="list-style-type: none"> • Ensure people can access and enjoy Plymouth's green spaces • Enable people to have a visual and physical connections to nearby nature Engage and communicate the approach we take to the public and why • Enhance natural networks, biodiversity and carbon storage via our grassland • Create connected natural corridors for species movement • Match our cutting regimes to the grassland use because not all grass is the same <p>Further review underway ready for the 2023 season taking into account feedback from residents, Councillors and staff.</p>		
3.1.6	Investigate the use of City Council sites and parks for electricity storage.	Service Director SP&I	Tesla power banks have been installed at Prince Rock which store the energy produced by the on site photovoltaic (PV) panels. Discussions and investigations will continue into how Council assets can be utilised to generate and store renewable energy.	Achieved in Part	Yes, as part of wider programme
3.1.7	Implement a Council Sustainability Procurement Policy which specifically includes a minimum net zero certification for all City Council new development projects.	Service Director SP&I	Initial scoping was undertaken, but resources not available to progress during the year.	Not Achieved	Yes
3.2.1	Continue to implement a vehicle decarbonisation programme so all cars and vans are converted to EVs by 2024.	Service Director Street Services	Current Fleet replacement continued throughout the year to replace Diesel cars and vans for electric alternatives. Identified that additional infrastructure was required to convert by 2024. Request for funding bid to the climate emergency investment fund was submitted. The funding	Achieved	Yes

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			request was approved in May 2022. Council fleet consists of around 220 vehicles in total ranging from small cars to HGV vehicles. At the start of the year the Council had 38 electric cars/small vans in service across a wide range of departments. In year we purchased an additional 12 taking this up to 50, which should be in service within 2023. The bid for Climate Emergency Investment Fund was successful for an additional £891,000 to replace up to 24 Diesel cars/vans with Electric Vehicles (EV) alternatives over the next 2 years, this is dependent on additional infrastructure and requirements still being challenged. A business case has been published and approved on 8th December 2022.		
3.2.2	Commit to having a zero carbon vehicle for the Lord Mayor by 2023 through either a renegotiation of the lease contract or a replacement zero carbon vehicle	Service Director Street Services	A new Lease order was placed for an EV car which will be delivered on 4 th January 2023. This will be a BMW IX3 on a 3 year lease for the Lord Mayor's office.	Achieved	Yes, as part of wider programme
3.2.3	Undertake a review of school transport procurement criteria and routes to reduce emissions from 2023.	Service Director EPS	All routes were reviewed and a number of routes reduced or removed. Routes are constantly assessed. Demand for routes change on a weekly basis so this assessment takes into consideration, time, safety and their environmental impact. Child safety will always take precedents in any decision.	Achieved	No
3.2.4	Provide personalised travel advice to young people to be more confident of using public transport.	Service Director EPS	The provision of personalised travel advice to young people is now part of an ongoing program of work. The team worked closely with special schools to identify young people who would be suitable to receive travel training to enable them to use public transport.	Achieved	No
3.2.5	Minimise unnecessary journeys for street bin emptying by	Service Director	Utilising the digital task and asset management system, Alloy, crews were asked to record the fill status on each	Achieved	Yes

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	investing in physical and digital solutions	Street Services	street bin. Over time this data has been analysed and now emptying schedules have been adjusted to match trends. Data will be analysed across seasons to identify and respond to variations. This approach reduces fuel and enables resource to be allocated to areas of the greatest need. This is an ongoing action as data from the Alloy system is constantly used to optimise rounds.		
3.3.1	Introduce a more efficient payment systems into all council multi story car parks to enhance environmental outcomes	Service Director Street Services	A new payment system went live on the 1st May in Theatre Royal car park. The new system uses less energy and customers will no longer have to take paper cards on entry, or have to display tickets as in some other car parks, which end up going to waste. This was the first system replacement of 4 city centre multi-storey car parks, all of these have been completed. Energy consumption will be monitored following the system migration, allowing us to measure the environmental impact of the scheme.	Achieved	No
3.3.2	Undertake a pilot Sustainable Street Lighting initiative to save energy with a view to reducing carbon emissions by 50% by 2030.	Service Director Street Services	A Sustainable Street Lighting initiative pilot was successfully undertaken and completed. The pilot aimed to evaluate energy saving with a view to reducing carbon emissions. The first Zone was identified in early spring (North Prospect) and modules installed. The 2 nd zone soon followed (Manadon) The profiling test arrangements have been successful with a resultant 20% carbon reduction realised	Achieved	Yes
3.3.3	Pilot the use of modern technology to change the road surface dressing methodology to reduce CO2 output.	Service Director Street Services	A pilot was successfully undertaken. The pilot sought to trial a new approach, which combined the warming of the asphalt surface and adopting a thin lay techniques. Assessment of the carbon impact was established using the One Click Life Cycle Assessment (LCA) Carbon Tool. The Carbon Base line mechanism is still in development	Achieved	Yes, as part of wider programme

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			but a substantial reduction of carbon emissions has been realised.		
3.3.4	Research and pilot further opportunities to reduce carbon emissions from the maintenance and improvement of roads and paths.	Service Director Street Services	Surface dressing has been re-introduced across the City, 9000 Mtr2 of road has received treatment. Assessment of the Carbon impact was established using the One Click LCA Carbon Tool. The Carbon Base line mechanism is still in development but a substantial reduction of carbon emissions has been realised.	Achieved	Yes, as part of wider programme
3.4.1	Aim for 90% of business travel using public transport, active travel or electric vehicles by 2030	Service Director HR & OD	Funds to deliver improved sustainable travel infrastructure at council premises were secured through applications to the Climate Emergency Investment Fund (Spring 2022) and Workplace Travel Grant (September 2022). Improvements will be delivered at Ballard House, Prince Rock Depot and Crownhill Court. The Go Green Employee Travel Policy was launched in March 2022. The Go Green Employee Travel Guide was launched in March 2022 and has been updated subsequently as required based on changing information. A Go Green Employee Travel Plan is in development.	Achieved in part	Yes, as part of wider programme
3.4.2	Introduce a Zero Emissions Travel Incentive Scheme to encourage employees to commute to work by cycling and other sustainable transport options.	Service Director HR & OD	As 3.4.1. A Go Green Employee Travel Plan is in development and includes a number of actions to provide staff with a range of incentives.	Achieved	Yes, as part of wider programme
3.4.3	Support the delivery of events, such as Car Free Days, to promote the benefits of public transport, walking and cycling to staff.	Service Director SP&I	Limited initiative delivered given resourcing and funding constraints. Car Free Day promoted through social media posting and promoting our walking and cycling activities. As part of our recent bid to the Capability & Ambition Fund we have proposed £10k for Car Free Day activities in 2023.	Achieved in part	No - but behavioural changes initiatives will be reviewed as part of engagement plan to be proposed in NZAP

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3.4.4	Work with the Key Cities Group to explore innovative approaches to staff and councillor travel options to inform future climate actions and initiatives.	CEO	Information was sought and received from the Key Cities on their approaches to staff and councillor travel. The Council shared its 'Go Green travel' policy with the Key Cities Officer Group in anticipation of both asking for any feedback and further sharing of good practice.	Achieved	No
3.5.1	Adopt an electronic document by default (with limited exceptions) approach to all Council meetings to secure a 50% reduction in printing by 2023.	CEO	A digital by default approach has been developed with members making a choice as to whether they require printed copies of agendas. Printed copies will always be provided on request but councillors have made choices in line with our Carbon Reduction targets and as a result paper copies have reduced by at least 50%. Ongoing monitoring will be required due to an increase in requests for paper copies in the last two months.	Achieved	No
3.6.1	Implement a Climate Decision Wheel for all key decisions and all capital project business cases.	Service Director SP&I	Climate Decision Wheel developed and approved for testing by Climate Emergency Board; before full roll out, the Board has requested that it is piloted. This is anticipated to take place during early 2023, with full roll out during 2023.	Achieved in part	Yes
3.6.2	Prepare Emissions Profiles for all City Council services and embed climate actions in departmental service plans during 2022.	CEO	This action is now superseded by the initiation of a corporate carbon reduction programme that will be coordinated by a new corporate working group (first meeting was held in October 2022). This group will establish the key elements of a strategic approach to carbon reduction based on the carbon management hierarchy (avoid-reduce-replace-offset). The implications for service planning will be determined as part of this strategic approach.	Not Achieved	No
3.6.3	Update the Taxi policy to encourage greener vehicles and work with taxi drivers and operators to move towards a ULEV taxi fleet by 2030.	Public Health	In late 2021 / early 2022, the Council's Taxi policy was reviewed and consulted on, in part to encourage greener vehicles. The Council will continue to work with taxi drivers and operators to move towards an Ultra Low	Achieved	No

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			Electric Vehicle (ULEV) taxi fleet by 2030. The Taxi Policy was updated and took effect from 1 May 2022		
3.6.4	Review the City Council governance arrangements for the acceleration of carbon reduction initiatives beyond 2022.	Service Director SP&I	Governance review completed and agreed by Climate Emergency Board, May 2022	Achieved	No
3.7.1	Implement smarter working practices by maximising the use of technology to support home and flexible working, including the use of shared hubs with partners.	Service Director HR & OD	The City Council has implemented a “new ways of working” framework which includes a Flexible Working Options Policy. This policy sets out smarter working practices which maximises the use of technology to support home and flexible working. The council has also piloted, in tandem with city partners, shared hubs that allow staff to access workspaces closer to their homes with easier access.	Achieved	Yes
3.7.2	Develop education and outreach programmes with maintained schools to deliver a programme of awareness raising of green issues for children of all ages.	Service Director EPS	The Healthy Child Quality Mark (HCQM) Programme was redesigned to include Net Carbon Zero related development – This programme attracts funding from Public Health team also. Net Zero presentation included in Health and Wellbeing in Education (HWiE) Professional Community programme to schools. Let’s Go Zero information included in series of ‘Health & Wellbeing in Education’ Briefings.	Achieved	No
3.7.3	Introduce low carbon menus in City Council and partner catering facilities.	Service Director HR & OD	The provision of catering in corporate buildings is still to be decided. When this decision is made, the provision of ‘low carbon menu’s’ will be part of the catering concession commissioned contract.	Not Achieved	No
3.8.1	Implement a programme of ‘carbon literacy’ training to all City Council staff, Green Champions and Councillors in 2022 to achieve silver accreditation and enable	Service Director HR & OD	Bronze accreditation was applied for and successfully achieved in December 2022. Silver accreditation will be the focus for 2023. <ul style="list-style-type: none"> ▪ 66 employees have been trained in Carbon Literacy ▪ 39 are now fully accredited ▪ 2 Green Champions are fully accredited 	Achieved in part	Yes – modified carbon training actions to be carried forward to NZAP

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	progression to gold accreditation by 2024.		<ul style="list-style-type: none"> Senior Leaders training will be delivered in February 2023 <p>Councillor training has begun for Cabinet and Shadow Cabinet members, the first session took place on Wednesday 7th December 2022 and will complete in January 2023.</p>		
3.8.2	Undertake a Climate Change Conference for City Council staff to capture ideas for future carbon reduction actions.	Service Director SP&I	A Go Green Fair (the name given to the climate change conference to tie in with wider corporate communications campaign) was successfully delivered on the 20 th October at the Guildhall. This was a great success with an interactive style event with a range of exhibitors providing staff opportunities to find out, inspire and encourage changes to reduce carbon emissions and to capture ideas for future carbon reduction actions.	Achieved	No - but behavioural changes initiatives will be reviewed as part of engagement plan to be proposed in NZAP
3.8.3	Review government commitments arising from COP26 and the Net Zero Strategy in relation to new requirements on how the City Council decarbonises its services.	Service Director SP&I	Early 2022 saw an initial review of COP26 and the Net Zero strategy undertaken, with period reviews of the detail for relevant projects and initiatives. In May, a review of the Energy Security Strategy was conducted, a summary paper prepared and shared among relevant teams and the portfolio holder. We continue to review government net zero commitments and policies, feeding this into City Council policies and activities.	Achieved	No
3.9.1	Introduce a contract award weighting for climate change in procurement processes where relevant and proportionate.	Service Director Finance	A paper is in development which sets out a proposal to introduce a climate change contract award weighting into procurement processes through alignment with the Climate Decision Wheel. It is felt by both Procurement and the Low Carbon team that aligning these two actions will not only be the most effective and efficient way of introducing this new governance requirement but also ensuring that Council projects truly minimise the negative impacts on the environment. The paper is currently in draft form and can only be finalised and will be submitted	Achieved in Part	Yes

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			to Corporate Management Team for consideration once the Climate Decision Wheel is rolled out. Procurement continue to liaise closely with the Low Carbon Team on this matter		
3.9.2	Develop a set of standard procurement questions which assess the suitability of a supplier to deliver a contract in relation to addressing the climate emergency.	Service Director Finance	A standard set of environment-related suitability questions have been developed which departments are expected to consider as part of procurement activity and include where relevant and proportionate. Guidance is included to help departments determine relevance and proportionality.	Achieved	No
3.9.3	Reduce the number of out of city placements to minimise the need for travel and reduce emissions for foster placements.	Strategic Commissioning	The legacy of COVID continues to impact on the number of children who require care or support by the local authority. Notwithstanding, the Commissioned placement sufficiency plan was approved by Cabinet in March 2022 – this covers fostering, residential children’s homes and additional support from agencies. This describes a range of commissioning activity for 2022/23 to focus on local availability of placements. Market management is ongoing to support local providers to grow – as an example the number of Plymouth beds for young people in care aged 16 and 17 has grown by 14 since June 2021. Similar activity is ongoing with adult social care providers, through regular development discussions, forums and visits. The multi-agency Health and Care Skills Partnership supports recruitment and retention in the local care sector, to support careers in care in Plymouth and ensure providers are sustainable and well-staffed. Dedicated health and care skills coordinators continue to engage with potential recruits (over 200 since February, enabling over 90 to pursue health and care careers). A parallel programme of overseas recruitment is drawing new social care and health staff to live and work in Plymouth.	Achieved	No

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			<p>Other activity:</p> <ul style="list-style-type: none"> • Peninsula children’s home and foster placements procurements launched and completed autumn/winter 2022. • A new 5 bedded home for care experienced young people opened in Plymouth September 2022. • A new 2 bedded crisis home in development in Plymouth – to open summer 2023 <p>Block contract for Plymouth children’s home beds to launch December 2022 – secures local beds for Plymouth children</p>		
3.9.4	Establish a City Council Carbon Offsetting Fund to enable projects to meet net zero commitments from 2022.	Service Director SP&I	<p>A Climate Emergency Investment Fund was approved as part of the Council’s budget in February 2022, enabling financial support for climate-related investments including, potentially, offsetting contributions. However, further work on a strategic approach to corporate carbon management was discussed at Climate Emergency Board and with Portfolio Holder, August 2022. The approach supported the prioritisation of investment based on the carbon management hierarchy of Avoid, Reduce, Replace, Offset. Offsetting is the last resort in this hierarchy. It is proposed that the Net Zero Action Plan include a commitment to setting out the Council’s approach to offsetting its corporate emissions which will be essential to enable it to be a ‘net zero’ organisation by 2030, including the development of local offsetting schemes.</p>	Achieved in Part	Yes