

**APPENDIX A: CLIMATE EMERGENCY ACTION PLAN 2022- OUTTURN**

<b>Ref</b>	<b>Actions</b>	<b>Lead</b>	<b>Progress Narrative</b>	<b>Status</b>	<b>Carry forward to the Net Zero Action Plan?</b>
3.1	Commence delivery of Phase 3 of the Green Homes Programme by improving the energy efficiency of over 150 homes by 2023.	Service Director for Strategic Planning and Infrastructure	40 properties have been completed to date and we continue to deliver improvements in line with the project end date of March 2023. We are expecting to deliver 150 improvements by the end of the project.	Achieved in part	Yes, as part of wider programme
3.2	The University of Plymouth will continue to work towards net zero emissions (scope 1 and 2) by 2025 and deliver fuel and power conversion to renewables through onsite photovoltaic and heat pump installations.	University of Plymouth	The University of Plymouth continues to work towards net zero emissions for scope 1 and 2 by 2025, investing in renewables such as the recent installation of photovoltaic solar panels on Rolle building, and soon to install a water source heat pump in our reservoir. The University of Plymouth are working on a master plan to build a timeline for switching all our heating and cooling infrastructure to renewable energy sources.	Achieved in part	No - the Net Zero Action Plan will just include actions led by PCC
3.3	The University of Plymouth will continue to deliver energy reduction projects (and work towards reducing mains grid electricity use by 20% and mains gas by 25% as a minimum by 2030 from 2005/06 levels) including: remaining LED lighting conversion projects; smart	University of Plymouth	Energy reduction projects driven by data analytics remain a key focus for the University of Plymouth. Recent project examples include PC power management and LED lighting. The University will be embarking on an upgrade to our entire Building Energy Management Systems over the next two years.	Achieved in part	No - the Net Zero Action Plan will just include actions led by PCC

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	building management system upgrades for advanced controls; transformer replacements; big data project, using data driven analytics to reduce energy use.				
3.4	University Hospital Plymouth will work towards reducing the Trust's carbon footprint by 20% by 2025 and reaching Net Zero Carbon by 2030.	University Hospital Plymouth	University Hospital Plymouth will report on progress through their sustainability report.	Achieved in part	No - the Net Zero Action Plan will just include actions led by PCC
3.5	University Hospital Plymouth will work towards achieving a 10% net biodiversity gain by 2025.	University Hospital Plymouth	University Hospital Plymouth will report on progress through their sustainability report.	Achieved in part	No - the Net Zero Action Plan will just include actions led by PCC
3.6	Plymouth Marjon to complete the roll out of ground source heat pumps in 44 of their student accommodation units and education buildings, saving 600 tonnes of CO2 per year when up and running in March 2022.	Plymouth Marjon University	All ground source heat pumps are now installed and final commissioning is being carried out.	Achieved	No - the Net Zero Action Plan will just include actions led by PCC
3.7	Commission a biodiversity report in order to set targets and measure improvements to	Plymouth Marjon University	The Devon Wildlife Trust have undertaken a biodiversity survey and listed actions on how to improve areas of the campus.	Achieved	No - the Net Zero Action Plan will

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	biodiversity on the Plymouth Marjon Campus.				just include actions led by PCC
3.8	Secure planning permission for a flagship Energiesprong low carbon housing development on land at Kings Tamerton and commence on-site infrastructure works.	Service Director for Strategic Planning and Infrastructure	The land sale contracts have been exchanged and a Section 106 agreement has been signed. Procurement is ongoing and discussions with Homes England regarding grant funding are progressing. Reserved matters application planned to be submitted by autumn 2023.	Achieved	No
3.9	Identify further housing sites in the city which could deliver exemplar low and zero carbon housing as part of the Eco Homes Programme.	Service Director for Strategic Planning and Infrastructure	The City Council has now identified a number of sites across the city where we are aiming to achieve a high sustainability standard. Therefore these sites will qualify for eco homes funding once design, cost and feasibility has been established. All sites are progressing and are currently at pre-planning stage. Most should progress to planning stage during 2023/24.	Achieved	No
3.10	Work with the University Sustainable Earth Institute to develop a guide for developers highlighting the benefits of green walls and roofs in new housing developments and seek to ensure these are provided for in future housing schemes.	Service Director for Strategic Planning and Infrastructure	A draft report has been received from our green infrastructure consultant (Dusty Gedge). The draft is being reviewed before circulating for wider comment and agreement of actions/way forward.	Achieved in part	No - but to be carried forward through JLP review

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3.11	Engage with Western Power to establish existing grid capacity and understand the impact of new development. Explore smart approaches that would reduce the impact of new developments on the electricity grid.	Service Director for Strategic Planning and Infrastructure	The City Council continue to liaise with Western Power Distribution (WPD) – now National Grid Energy Distribution (NGED) - on a regular basis since the beginning of 2022. NGED were invited to DATA Play in April 2022 to explore common problem solving through technology solutions. As a result NGED have been looking into developing and providing more detailed online mapping showing both capacity and potential reinforcement solutions (eg cable improvements, substation upgrade etc). The work has been taken up to be delivered at a national level to support the implementation of changes. It is anticipated that the improved grid capacity information service could be available by April 2023.	Achieved	No - but to be carried forward through JLP review
3.12	Work with the Plymouth Net Zero Partnership to investigate innovations in decarbonising buildings.	Service Director for Strategic Planning and Infrastructure	The City Council continue to work with the Net Zero Partnership to, among other priorities, identify opportunities to secure funding for the decarbonisation of buildings, share good practice and identify innovations.	Achieved	No, although PNZP will continue to review opportunities for decarbonising buildings
3.13	Working with Plymouth Energy Community, Plymouth Community Homes and Live West, investigate opportunities to deliver EnergieSprong household retrofits in partnership with Homes England.	Service Director for Strategic Planning and Infrastructure	Opportunities for Energiesprong housing retrofits have been considered, but as the current funding landscape for social housing retrofit (Social Housing Decarbonisation Fund) provides funding for existing solutions, delivery of solutions funded by the Social Housing Decarbonisation Fund have been the priority for both Plymouth Community Homes and Livewest this year.	Achieved	Yes, as part of a wider programme

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3.14	Work closely with UK Green Building Council (UKGBC), review and where relevant join its low carbon campaigns and low carbon learning opportunities.	Service Director for Strategic Planning and Infrastructure	The Housing Delivery Team has continued to follow the UK Green Building Council's (UKGBC) regular newsletters and joined a number of seminars and workshops over the last year. We have also signposted events to others where relevant. Most recently we coordinated a response to a 'call for evidence' from UKGBC regarding operational performance data for buildings from one of our registered providers in Plymouth. We will continue to follow the newsletters, seminars etc going forward.	Achieved	No
3.15	Lobby government to provide funding support to registered providers, house builders and developers in areas of comparably lower house values like Plymouth, to meet the additional development costs of achieving net zero housing.	Service Director for Strategic Planning and Infrastructure	The Housing Delivery Team met with the Director of Policy and a Senior Adviser on Housing, planning and homelessness at the Local Government Association (LGA) to discuss Plymouth's challenges with regard to increased energy efficiency requirements of new housing and the impact on viability. We provided the LGA with detailed information on viability challenges for a specific project which the LGA was looking to use in discussions with government. We secured some research funding to gain a better understanding of innovative ways for housing delivery especially in areas facing viability challenges. This work will be completed early in 2023/24.	Achieved	No - but generic lobbying action to be included to cover all future key opportunities
3.16	Work with Local Authority Building Control to interrogate the detail of Future Homes Standards and Future Buildings Standards once they are published and lobby government for improvements where standards are	Service Director for Strategic Planning and	A response was submitted to government as part of the Future Homes Standard consultation. Since then, the Government introduced interim upgrades to Building Regulations Part L&F and O&S. The Future Homes Standard will be phased in from 2025. The building Control Team organised an information morning in the Guildhall for local builders on this topic. A full technical specification for the Future Homes Standard will be consulted on in 2023. The	Achieved	No

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	considered not ambitious enough to meet the 2030 net zero commitment.	Infrastructure	Building Control Team and Housing Delivery Team will interrogate the suggested standards and provide feedback to government with regard to whether these are seen as achievable, sufficiently far reaching and ensure that delivery of housing remains viable in Plymouth.		
3.17	Provide advice (with Plymouth Energy Community) to in excess of 200 landlords from the private rented sector on how they can improve the energy rating of their properties.	Service Director for Strategic Planning and Infrastructure	Plymouth Energy Community contacted over 450 landlords in Plymouth on behalf of the City Council to discuss their compliance with Minimum Energy Efficiency Standards and provided them with unbiased energy efficiency upgrade advice.	Achieved	Yes, as part of a wider programme
3.18	Work with social housing providers to apply for funding from the Social Housing Decarbonisation Fund, to lower the carbon emissions, reduce fuel bills and improve the comfort and health of over 100 households in the city.	Service Director for Strategic Planning and Infrastructure	The City Council secured £967,000 Social Housing Decarbonisation Fund (SHDF) to retrofit 85 homes (LiveWest and Plymouth Community Homes) in February 2022. This programme is reaching its delivery phase with extensive planning and preparation for the rollout. All retrofits are due for completion by April 2023.	Achieved	Yes, as part of a wider programme
3.19	Implement an accessible web-based home assessment tool working with Plymouth Energy Community to help residents establish their eligibility for	Service Director for Strategic Planning and	The eligibility web tool is used to support the Home Upgrade Grant (HUG) program. This web tool was funded by a grant from the South West Net Zero Energy Hub and is provided open source to all interested organisations and authorities. The tool was launched in October 2022 and has now had 4,000 visits.	Achieved	No

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	funding of energy saving upgrades by 2022.	Infrastructure			
3.20	Provide a digital resource for households to provide information on the viability of heat pumps retrofits for a range of typical housing types in Plymouth by 2022.	Service Director for Strategic Planning and Infrastructure	The City Council is part of a Devon-wide heat pump project to lower barriers and provide information for households to understand if a heat pump is suitable for their home. The digital element of this is now not happening as funding not secured, though the research has been completed and a report submitted to the Microgeneration Certification Scheme (MCS, a standards organisation certifying low-carbon products and installations) for peer review.	Achieved in part	No
3.21	Continue the delivery of surface water drainage improvements in Central Park to reduce the risk of flooding in Central Park and Central Park Avenue.	Service Director for Strategic Planning and Infrastructure	Works have commenced on site in Central Park.	Achieved	No
3.22	Commence delivery of surface water storage and Landscape Masterplanning in Trefusis Park to better protect properties in Lipson Vale and Bernice Terrace and improve park amenity and ecological value.	Service Director for Strategic Planning and Infrastructure	The detailed design has been completed, but the construction cost has increased over and above the original budget due to inflationary pressures and additional funding is now being sought from the Environment Agency to allow works to commence in March 2023.	Achieved in part	No - to be considered as part of new corporate adaptation plan, which will be proposed in the Net Zero Action Plan

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3.23	Commence work to extend tidal flood defences at Arnold's Point along the Embankment up to the rail bridge	Service Director for Strategic Planning and Infrastructure	The business case and funding allocation was approved by the Environment Agency (EA) National Team in August 2022 and site investigations are now programmed for January 2023 with construction commencing in autumn 2023 in line with the EA funding programme.	Achieved in part	No - to be considered as part of new corporate adaptation plan, which will be proposed in the Net Zero Action Plan
3.24	Commence the delivery of improvements to protect the causeway, public footpath and tidal creek ecology at Ernesettle Creek.	Service Director for Strategic Planning and Infrastructure	The project is in the Environment Agency Flood Defense Grant in Aid funding programme with indicative funding of £50k allocated in 2023/24. Discussions have taken place with the Council and Environment Agency Ecology teams and also with the National Marine Park project team to align projects and funding requirements.	Achieved in part	No - to be considered as part of new corporate adaptation plan, which will be proposed in the Net Zero Action Plan
3.25	Complete the Southway to Plymbridge walking and cycling scheme.	Service Director for Strategic Planning and Infrastructure	Phase 2 East of this scheme is now under construction. This section extends from Earls Wood Drive in the East through to the recently improved path connecting Plymbridge Road to Miller Way via Durris Gardens. This scheme is expected to be completed in January 2023	Achieved	No
3.26	Complete the continuation of the off-road Eastern Corridor	Service Director for	This scheme is now under construction with completion anticipated by May 2023.	Achieved	No



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	walking and cycling route to Colesdown Hill.	Strategic Planning and Infrastructure			
3.27	Complete construction of the Derriford Community Park cycle paths.	Service Director for Strategic Planning and Infrastructure	The construction of cycle path on Council land is complete and the path is now open to the public. There are some snags to complete and connect to the paths within the Forder Valley Link Road which are all due to be completed by May 2023. The Defense Infrastructure Organisation have not granted permission to complete the work required at the western end on their land, so despite planning permission being granted at the end of May 2022, we have been unable to deliver this section connecting it to Tailour Road. The public have to use pre-existing smaller paths to access the main cycle path.	Achieved in part	No
3.28	Commence the delivery of the Coronation Avenue Scheme to promote walking and cycling within Central Park.	Service Director for Strategic Planning and Infrastructure	The City Council have secured planning permission and have applied for additional funding for an updated design for this scheme. Construction of the scheme should begin in October 2022.	Achieved in part	No
3.29	Continue work on the Dockyard to City and St Budeaux to Docks cycle schemes.	Service Director for Strategic Planning	This is being delivered together with the St Budeaux interchange project under one construction contract. A detailed design package was submitted and target price received from contractor. Planning permission for the construction compound was granted in May 2022. As of	Achieved	No

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		and Infrastructure	December 2022, construction contracts are on the verge of being awarded, with construction work anticipated to begin in early 2023.		
3.30	Continue development of St Budeaux Station's Sustainable Transport Interchange.	Service Director for Strategic Planning and Infrastructure	This is being delivered together with the walking and cycling improvements from St Budeaux to Dockyard and Dockyard to City Centre under one construction contract. A detailed design package was submitted and target price received from contractor. Planning permission for the construction compound was granted in May 2022. As of December 2022, construction contracts are on the verge of being awarded, with construction work anticipated to begin in early 2023.	Achieved	No
3.31	Commence delivery of the Woolwell to the George Transport Improvement Scheme, which will deliver an extension to segregated walking and cycling facilities along Plymouth's Northern Corridor.	Service Director for Strategic Planning and Infrastructure	Negotiations are taking place with the land owners. Phase I pre-construction works are commissioned and detailed design is set to begin in summer 2022.	Achieved in part	Yes, as part of a wider programme
3.32	Continue development of transport improvements along Royal Parade to enhance sustainable transport in the city centre and commence construction of preferred design.	Service Director for Strategic Planning and Infrastructure	The scheme is completing its design phase and is expected to start on site in spring 2023 and to be completed by autumn/winter 2023. The saw-tooth arrangement to improve the waiting area for buses and passengers remains a key feature of the scheme.	Achieved in part	Yes, as part of a wider programme

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3.33	Continue development of transport improvements on Mayflower Street that will create more space for waiting passengers and arriving buses using both Royal Parade and Mayflower Street and commence construction of preferred design.	Service Director for Strategic Planning and Infrastructure	Phase 1 was completed in early December. Phase 2 started in January. The contract award for the final stages will be completed end of January and is expected that the scheme will be completed in May 2023.	Achieved in part	Yes, as part of a wider programme
3.34	Commence construction of the St Budeaux to Crownhill sustainable transport corridor.	Service Director for Strategic Planning and Infrastructure	The scheme is currently in detailed design phase to provide bus priority measures. Construction is anticipated to commence in spring 2023.	Achieved in part	Yes, as part of a wider programme
3.35	Commence construction of the Transforming Cities flagship Mobility Hubs, which will offer a low carbon multi-modal network for travel throughout Plymouth.	Service Director for Strategic Planning and Infrastructure	Construction of the Transforming Cities flagship Mobility Hubs has begun.	Achieved	Yes, as part of a wider programme
3.36	Continue development of the Plymouth Station Access,	Service Director	The City Council has appointed South West Highways to complete the first phase of the delivery of the new public	Achieved	No

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	which will promote low-carbon forms of transport and facilitate pedestrian access between the station, the university and the city centre.	for Strategic Planning and Infrastructure	realm improvements. These works include the provision of an improved cycle and pedestrian connection between the station, the university and the city centre. The works started in September 2022 and will be completed in January/February 2023.		
3.37	Continue to roll out the Healthy Streets Assessments of selected city centre streets to promote better integration of public health, transport and planning in the design of streets to make them more people focussed.	Service Director for Strategic Planning and Infrastructure	The City Council are continuing to undertake assessments on new schemes as requested. The existing and the designs for Civic Square and Old Town New George Streets schemes have been reviewed. The next step is to review the completed designs. The existing schemes at Royal Parade and Armada Way have been reviewed. Design options for both schemes will be reviewed when they are available.	Achieved	No
3.38	Complete the Old Town Street/ New George Street public realm scheme, creating high quality walking and cycling routes through the city centre to facilitate a higher proportion of journeys by sustainable modes.	Service Director for Strategic Planning and Infrastructure	The enabling works are complete. Completion of the main enhancements is due by the end of summer 2023.	Achieved in part	Yes, as part of a wider programme
3.39	Commence construction of the Civic Square public realm scheme, creating high quality walking and cycling routes through the city centre.	Service Director for Strategic Planning and	The City Council have undertaken some enabling works for this scheme and tendered for main contractor in August 2022 for a start on site in November 2022. Having received tender prices back in December 2022 we are currently reviewing the viability of the scheme and whether changes are required.	Achieved in part	Yes, as part of a wider programme

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		Infrastructure			
3.40	Complete design work on the Armada Way public realm scheme, creating more opportunities for walking and cycling routes through the city centre.	Service Director for Strategic Planning and Infrastructure	The design work is complete and was endorsed in November 2022.	Achieved	Yes, as part of a wider programme
3.41	Continue to expand the Local Cycling and Walking Implementation Plan by another 5 routes.	Service Director for Strategic Planning and Infrastructure	This action has now been completed. The Plymouth Local Cycling and Walking Implementation Plan (LCWIP) 2022 adds a further 4 cycling routes to our living LCWIP. The proposals for each route were consulted on earlier in the year and the final report, along with an associated consultation report, are now live on our website: <a href="https://www.plymouth.gov.uk/local-cycling-and-walking-infrastructure-plan">Local cycling and walking infrastructure plan   PLYMOUTH.GOV.UK</a>	Achieved	Yes, as part of a wider programme
3.42	Lead a car free day to support residents to walk, cycle and use public transport, rather than the car, for regular journeys they make.	Service Director for Strategic Planning and Infrastructure	Sustrans' <i>Big Walk and Wheel</i> scheme, the UK's largest inter-school walking, wheeling, scooting and cycling challenge was delivered in Plymouth in late March 2022. 35 schools signed up, up from 34 last year, and 32 entered counts on the website, up from 28 last year. 46,414 active pupil journeys were logged, up from 42,461 last year.	Achieved in part	No - but behavioural changes initiatives will be reviewed as part of engagement plan to be proposed in the Net Zero Action Plan

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3.43	Continue to support up to 30 local businesses to develop facilities for active travel through Workplace Travel Grants.	Service Director for Strategic Planning and Infrastructure	The 2022/23 Workplace Travel Grants scheme was launched in February 2022. £11,872.41 grant funding have been awarded as of March 2022. Funding has now ceased.	Achieved in part	No
3.44	Continue to bid for Department for Transport funds to deliver active travel schemes.	Service Director for Strategic Planning and Infrastructure	The Transport team has been successful in securing £1.5m (£1.24m grant from Department for Transport and the balance through 3rd party contributions locally) to be one of 11 pilot schemes in the Active Travel Social Prescribing Programme from 22/23 to 24/25. The Transport team submitted proposals to Active Travel England on how, between now and November 2023, we intend to use our allocation of £190,000 from the Capability and Ambition Fund on developing our cycle network and encourage change in travel behaviour towards more active travel. The government's invitation to submit bids to its Active Travel Fund 4 programme is delayed until 2023 and an announcement of funding allocations from the Capability and Ambition Fund is delayed until the end of 2022. We have secured £66k from Sustrans to spend developing schemes before April 2023 and submitted a bid to Tranche 7 of Sustrans funding for 2023/24.	Achieved in part	Yes, as part of a wider programme
3.45	Deliver tranche 3 of the Active Travel Fund to provide additional high quality walking and cycling facilities at up 10 locations in the city, delivering	Service Director for Strategic Planning	The Department for Transport have advised that the City Council did not secure funding for our Active Travel Fund 3 programme; eight of the proposed schemes will now not be delivered. Two of the schemes - Plymbridge Road and Central	Achieved in part	Yes, as part of a wider programme

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	improved pedestrian and cycle crossings and routes.	and Infrastructure	Park improvements are currently under construction in modified formats.		
3.46	Deliver a feasibility study on how the Plymouth Health Sector can link to the Council's wider walking and cycling programmes through a social prescription programme.	Service Director for Strategic Planning and Infrastructure	This feasibility study was submitted in advance of the April 2022 deadline. In August Plymouth City Council were announced as one of 11 successful bidders, securing £1.24m to deliver a programme of nine Active Travel Social Prescribing projects over 3 years. Projects are either in delivery or in mobilisation.	Achieved in part	Yes, as part of a wider programme
3.47	Secure Mini Holland project funding in order to deliver a feasibility study considering how Plymouth Communities can be designed to facilitate greater levels of walking and cycling and less reliance on the private car.	Service Director for Strategic Planning and Infrastructure	The City Council's submission to the Department for Transport Mini-Hollands' Fund was unsuccessful.	Not achieved	No - although other initiatives to be taken forward through the Net Zero Action Plan
3.48	In response to the National Bus Strategy, develop a Bus Service Improvement Plan and form an Enhanced Partnership with public transport providers to include targets to substantially increase public	Service Director for Strategic Planning and Infrastructure	The original Bus Service Improvement Plan (BSIP) was refreshed by 31st October 2022; updating the previous Bus Service Improvement Plan to reflect the changes that have happened to the Plymouth bus network over the last 12 months. The Department for Transport did not award Plymouth any funding through Bus Service Improvement Plan. The Transport Team met with the Buses Division at the Department for Transport to receive guidance on progressing the Enhanced Partnership Scheme in the circumstances where	Achieved in part	Yes

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	transport patronage and bus reliability.		no funding has been awarded. Re-consultation of the Enhanced Partnership Scheme with operators is now underway and with stakeholders in January followed by Cabinet approval to signing an Enhanced Partnership Scheme Agreement to be operational from 1st April 2023. A more comprehensive refresh of the Bus Service Improvement Plan will take place during the first 6 months of 2023.		
3.49	As part of the Bus Service Improvement Plan, give consideration to the role of existing Park & Ride facilities as a means of encouraging mode switch to public transport for part of the journey.	Service Director for Strategic Planning and Infrastructure	The George Junction Park and Ride building was reopened following the award of a contract to Citybus. The City Council are maintaining existing Park and Ride services even though patronage has not yet recovered to pre-pandemic levels. The Department for Transport has not allocated any funding to Plymouth as part of the Bus Service Improvement Plan so any enhancement of the role of Park and Ride will have to come from the Council's own resources or commercial operators. Tenders are being invited to provide staffing of the George Park and Ride building from April 2023 to September 2023.	Achieved in part	Yes, as part of a wider programme
3.50	Complete the development of Morlaix Drive to provide better bus access to Derriford Hospital, improving service reliability.	Service Director for Strategic Planning and Infrastructure	The scheme commenced construction as planned in January 2022. The original planned completion date was December 2022, however due to some additional design requirements and resulting additional construction activities, the planned completion date has moved to a current date of 2 March 2023. This may change again as the scheme nears completion in the New Year.	Achieved in part	Yes, as part of a wider programme
3.51	Submit the Bus Service Improvement Plan which will include a bid for a share of	Service Director for	No funding was awarded to our first Plymouth Bus Service Improvement Plan. The second Bus Service Improvement Plan will undergo further review during 2023 to be in a position	Not achieved	Yes



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	Government funding set aside for the purchase by local bus operators of zero emission buses, including the purchase of electric mini buses to support Access Plymouth demand responsive services	Strategic Planning and Infrastructure	where it can support any future funding bids to the Department for Transport, including zero emission buses.		
3.52	Continue to input into the Decarbonising Strategy of Peninsula Transport which will require an assessment of scenarios for transitioning to low carbon and Net-Zero mobility futures, including a phased plan outlining the steps required to achieve transition either through reducing miles travelled by motorised vehicles or reducing carbon emitted per mile travelled.	Service Director for Strategic Planning and Infrastructure	The Department for Transport has provided advice to local authorities on actions they can take to reduce transport carbon emissions as well as guidance for local authorities on electric vehicle charging infrastructure. A carbon baseline prepared by Peninsula Transport's is with the Department for Transport for review. There is a follow-on piece of work around place typologies and modelling the impacts of interventions.	Achieved in part	Yes, as part of wider commitment to partnership working
3.53	In partnership with Network Rail discuss the feasibility for investing in creating more opportunities for rail freight delivery to and from the city.	Service Director for Strategic Planning and Infrastructure	The City Council continue to participate in Network Rail's Peninsula Rail Corridor Study Working Group published in November 2022. The transport team met with Network Rail and Great Western Railways in October to discuss further the potential for transporting smaller parcels by rail and reducing road traffic. Peninsula Transport met with Great British Railways in December 2022 setting out its headline priorities which are being developed further as part of a refreshed Peninsula Rail Strategy to be published in spring 2023.	Achieved in part	Yes, as part of wider commitment to partnership working

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			Strategic Outline Business Case submitted to the Department for Transport seeking funding to continue the development of the scheme to reopen the rail connection between Tavistock and Plymouth, creating an opportunity in the long term to reduce demand on the A386.		
3.54	Contribute to the Peninsula Transport Regional Rail and Freight Strategy, to develop a plan for more efficient distribution of goods across the region.	Service Director for Strategic Planning and Infrastructure	The City Council continue to participate in the Peninsula Rail Corridor Study Working Group and to input into Peninsula Transport's Rail Strategy and Freight Strategy work packages. Peninsula Transport Sub-National Transport Body, has submitted its Business Plan which includes the Rail Strategy work, building on the Peninsula Rail Task Force's 20-year to provide an in-depth examination of specific travel corridors, working with strategic partners including Network Rail and Western Gateway, to identify recommended interventions on the rail network. Peninsula Transport's South West Freight Strategy has been completed.	Achieved in part	Yes, as part of wider commitment to partnership working
3.55	Engage with taxi drivers to understand barriers, support and promote the adoption of electric vehicles.	Director of Public Health	The Taxi Policy was approved by the City Council on 21 March and came into effect on 1 May 2022. Free training has been provided to private hire and hackney carriage drivers from the Energy Savings Trust to promote the benefits of electric vehicles. The City Council's Parking Enforcement Manager has given access to taxi and private hire vehicles to the Theatre Royal, Western Approach and Regents Street car parks for an hour without car parking charges for drivers to use the electric chargers. Meetings are being set up with the trade to discuss the charging points planned for the City.	Achieved	No

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3.56	Deliver further charging infrastructure for electric powered boats.	Service Director for Strategic Planning and Infrastructure	Marine chargers were installed and are operational at the Barbican Landing Stage, Queen Anne's Battery and Mount Batten.	Achieved	No
3.57	Lobby government to consider fiscal incentives to support home and flexible working for businesses in the city.	Service Director for Human Resources and Organisational Development	The City Council wrote to HM Revenue & Customs on two occasions, to clarify the homeworking tax arrangements and to require further information about claiming mileage whilst working from home. It is anticipated that homeworking and flexible working will feature during the 2022 pay award. The City Council will continue to scan the environment to see if there are an opportunities available to support the workforce. The cost of living and utilities will have an impact on the workforce working from home. The City Council liaised with the Devon and Plymouth Chamber of Commerce to discuss opportunities for businesses in the city.	Achieved	No - but generic lobbying action to be included to cover all future key opportunities
3.58	Lobby government to increase the proportion of Department of Transport capital funding delegated to local authorities.	Service Director for Strategic Planning and Infrastructure	Inputs were made to the Department for Transport's Devolution Deal for greater local control of sustainable transport and strategic transport schemes.	Achieved	No - but generic lobbying action to be included to cover all future key opportunities

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3.59	Lobby government to review vehicle excise duty in order to encourage a switch to sustainable transport modes	Service Director for Strategic Planning and Infrastructure	Sales of petrol and diesel powered vehicles is to be phased out by 2030. Vehicle Excise Duty must be reviewed in order to prevent a gap appearing in the country's finances as use of diesel and petrol driven cars decreases.	Achieved	No - but generic lobbying action to be included to cover all future key opportunities
3.60	Review the government's Transport Decarbonisation Plan and identify opportunities in Plymouth for future climate emergency initiatives and actions.	Service Director for Strategic Planning and Infrastructure	Guidance for the Department of Transport on the development of Local Transport Plans incorporating the decarbonisation of local transport is delayed. Given the March 2024 deadline for producing the next Local Travel Plan is possibly fixed, work is now being commissioned on securing baseline data on transport emissions in Plymouth and forecast carbon emissions under different policy scenarios and time horizons up to 2050.	Achieved	No
3.61	Continue to liaise with the Plymouth Cycling Campaign to ensure the experiences for cyclists in the city are improved.	Service Director for Strategic Planning and Infrastructure	Meetings with the Plymouth Cycling Campaign were held on 15th February, 19th May, 25th August and 24th November 2022. Plymouth Cycling Campaign have also attended a stakeholder workshop regarding the Active Travel Social Prescribing project.	Achieved	Yes, as part of wider commitment to partnership working
3.62	Publish an Electric Vehicle Chargers Inclusion and Accessibility Design Guide to	Service Director for	This guidance is published and promoted on the City Council's website and social media.	Achieved	No

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
	raise the standard and consistency of facilities in the city.	Strategic Planning and Infrastructure	<a href="https://www.plymouth.gov.uk/newsroom/pressreleases/newelectricvehicleinstallationguidancedevelopedplymouth">https://www.plymouth.gov.uk/newsroom/pressreleases/newelectricvehicleinstallationguidancedevelopedplymouth</a>		
3.63	Work with the Plymouth Net Zero Partnership to investigate innovations in fleet technologies.	Service Director for Strategic Planning and Infrastructure	An introduction to the Net Zero Partnership Action Group took place in May 2022 and we have continued to regularly raise this topic at meetings of the action group. The partnership is currently producing a series of case studies on fleet innovation from each of the key partners in the group. This content will be showcased on our Climate Connections website.	Achieved	Yes, as part of wider commitment to partnership working
3.64	Work with the University of Exeter and the University of Plymouth Sustainable Earth Institute to identify opportunities for research into clean transport technology.	Service Director for Strategic Planning and Infrastructure	For local authorities, switching to Zero Emissions Vehicles can generate substantial cost and emission savings, as well as help to deliver net zero targets. The City Council have made reference to local authority toolkits on introducing zero emission fleets and zero emission buses. Our local bus operators are undertaking research comparing hydrogen with battery electric zero emission technologies. The transport division has drawn up a consultant's brief seeking bids to develop the Council's Electric Vehicle charge point strategy.	Achieved in part	No - although the Net Zero Action Plan to include linked initiatives supporting infrastructure for alternative fuels, and delivery of EV charge point strategy
3.65	Progress proposals to connect Civic Centre to the city centre low carbon heat network.	Service Director for Strategic Planning	Detailed design for the scheme is complete. Business case approved for the scheme and Green Heat Network Fund application made. We anticipate a decision being made in early 2023.	Achieved	Yes, as part of a wider programme

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
		and Infrastructure			
3.66	Assess the feasibility of marine source heat pumps at various sites around Plymouth	Service Director for Strategic Planning and Infrastructure	A first and second stage reports on the feasibility of marine source heat pumps has been completed, using 5 waterfront sites to understand the best locations and optimum solutions. This has established continuity of water supply via tidal modelling, reviewed possible intake and discharge locations, explored land ownership, heritage implications and dredging, but also explored resilience. Millbay (linking to a heat network) and National Marine Aquarium are the more optimal locations, which may be progressed to more detailed feasibility. A feasibility at Devonport will also assess the use of marine heat pumps linked to a heat network.	Achieved	No - specific opportunities to be considered through JLP review
3.67	Assess the feasibility of heat networks in Barne Barton and Derriford	Service Director for Strategic Planning and Infrastructure	Consultants were appointed and are working on these feasibility studies which will be completed by March 2023.	Achieved in part	Yes, as part of a wider programme
3.68	Test the yield from ground source wells in Millbay to provide low carbon heat	Service Director for Strategic Planning and	The initial pump testing is complete and high yield is confirmed. Further work is programmed for February 2023 to apply for an Environment Agency license to use the well for renewable heat generation.	Achieved	No

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
		Infrastructure			
3.69	Secure planning permission for a Community Solar Farm at Chelson Meadow in partnership with PEC, with a view to deliver a 13.2MW array.	Service Director for Strategic Planning and Infrastructure	Planning permission was granted to this scheme in July 2022.	Achieved	No - but delivery will be included as part of wider programme
3.70	Research waste reduction and barriers to recycling in Plymouth using community feedback and service data to inform a new campaign on waste reduction and recycling to improve the quality and quantity of Plymouth's household recycling.	Service Director for Street Services	Research by Resource Futures to improve resident waste minimisation and recycling was concluded earlier in 2022. The company has now being commissioned to undertake a specialist review of existing printed and web materials, to refresh them and undertake a citywide campaign to try and encourage greater recycling participation. This work should be concluded by March 2023.	Achieved in part	Yes
3.71	Optimise use of available data and evidence locally and nationally to design interventions to optimise the frequency and type of collections, and improve route planning and reduce failure demand.	Service Director for Street Services	An external review of Street Scene & Waste has concluded and a clear recommendation is to review domestic waste collection rounds to optimise for greater efficiency. This will be scheduled for later in 2022. Additionally, the service has expanded the Alloy system to public litter bin collections. Operatives are recording the fill status each time they empty to ensure rounds are optimised. Examples would include visiting bins less often based upon fill level trends. Additionally, a business case has been approved to commission a specialist	Achieved in part	Yes

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
			firm to undertake domestic waste collection round optimisation. This work is scheduled to commence in the New Year with potential round changes implemented from September 2023.		
3.72	Continue to work with partners to ensure that, where practical and economical, recyclable material is processed and recycled in the UK – with a preference for the South West peninsula.	Service Director for Street Services	The service continues to use local outlets for recyclables where possible.	Achieved	No
3.73	Work with the Government to evaluate the 2018 Resource and Waste Strategy and 2021 Environment Act to ensure local authorities are provided with effective powers and additional resources.	Service Director for Street Services	The City Council engaged in the Government's consultation on their proposals for the Extended Producer Responsibility, Consistency of Collections and Deposit Return Scheme arising out of the Environment Act and awaits the publishing of their response to those consultations.	Achieved	No
3.74	Engage schools through development of Plymouth education and activity resources to increase recycling and re-use.	Service Director for Street Services	This work stream will need to slip into future years. There is currently no designated resource to undertake or lead these behavioural change activities.	Not achieved	No - but behavioural changes initiatives will be reviewed as part of engagement plan to be proposed in the Net Zero Action Plan



<b>Ref</b>	<b>Actions</b>	<b>Lead</b>	<b>Progress Narrative</b>	<b>Status</b>	<b>Carry forward to the Net Zero Action Plan?</b>
3.75	Work with 'Borrow, Don't Buy: Plymouth's Library of Things' to highlight opportunities to repair and re-use tools and develop skills.	Service Director for Strategic Planning and Infrastructure	The City Council have supported Borrow Don't Buy's crowdfunding efforts by match funding via the Climate Emergency Bonus. The funding will help to continue expanding the library, increasing its members and securing its future. Borrow Don't Buy have taken part in our events, the Big Go Green Fair on 20 October 2022 and our Library's 'In this together' event on 25th October. Since January 2022, Borrow Don't Buy have increased their membership by 430 members reaching a total of 1487 members, and completing a total of circa 2875 loans.	Achieved	No - but wider programme around reuse initiatives will be included
3.76	University Hospital Plymouth will work towards recording an 85% avoidance of waste going to landfill by 2025.	University Hospital Plymouth	University Hospital Plymouth will report through their sustainability report.	Achieved in part	No - the Net Zero Action Plan will just include actions led by PCC
3.77	University Hospital Plymouth will work towards embedding sustainability into every Trust service and activity by 2025.	University Hospital Plymouth	University Hospital Plymouth will report through their sustainability report.	Achieved in part	No - the Net Zero Action Plan will just include actions led by PCC
3.78	Plymouth Marjon to create student sustainability champions in order to increase student engagement.	Plymouth Marjon University	An outcome of the 2021 Climate Conference was the start of the Sustainability Champions group which saw both staff and students sign up.	Achieved	No - the Net Zero Action Plan will just include actions led by PCC
3.79	Plymouth Marjon to organise a climate crisis event for staff and students.	Plymouth Marjon University	Marjon hosted a Climate Conference in November 2021 which coincided with COP26. This was for both staff and students with the day involving external speakers, workshops and a plant-based lunch for all to try.	Achieved	No - the Net Zero Action Plan will just include actions led by PCC

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
3.80	The University of Plymouth will support Plymouth enterprises to shift to a low-carbon economy through the Sustainability Hub: Low Carbon Devon project.	University of Plymouth	The Sustainability Hub: Low Carbon Devon project continues to support Plymouth enterprises, for example holding a series of workshops supporting Small and Medium Enterprises to develop carbon footprints in May/June 2022.	Achieved	No - the Net Zero Action Plan will just include actions led by PCC
3.81	The University of Plymouth will support the management of the Future Plymouth 2030 webinar series and the delivery of presentations on the latest research.	University of Plymouth	The University of Plymouth continues to support Future Plymouth 2030, with 9 webinars held so far in 2022. Subjects covered range from biodiversity net gain, waste, creative industries, transport and much more. All webinars are available for anyone to watch on the website <a href="https://www.futureplymouth2030.co.uk/">https://www.futureplymouth2030.co.uk/</a>	Achieved	No - the Net Zero Action Plan will just include actions led by PCC
3.82	The University of Plymouth will utilise and grow the usage of the Sustainability Hub for engagement with staff, students and the local partners around the Net-Zero Carbon agenda.	University of Plymouth	The University of Plymouth continues to utilise the Sustainability Hub for engagement around the Net-Zero Carbon agenda e.g. over 10 events/meetings held so far by external partners in 2022 including Plymouth City Council, Plymouth Energy Community and climate conversations.	Achieved	No - the Net Zero Action Plan will just include actions led by PCC
3.83	Continue the delivery of the Future Parks Accelerator Programme and associated projects to deliver nature-based improvements to strategic green spaces across the city.	Service Director for Strategic Planning and Infrastructure	The City Council have secured an additional £285k of funding to continue the Future Parks Accelerator Programme until July 2023. The City Council have continued to support Street Scene and Waste workforce with training and communications. Councillors have been consulted to agree on new grass cutting schedules which support biodiversity with a series of short public information films on our wildflower meadows going out on Youtube. These are publicised on our	Achieved	No - to be considered as part of new corporate adaptation plan, which will be proposed in the Net Zero Action Plan

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
			<p>website. Ongoing support to social enterprises is provided in our parks. The creation of a new resource hub for them is complete. The Habitat Banking Vehicle Business Case was approved by Cabinet in December 2022, providing a mandate to complete work on Full Business Case for establishing and operating an arms-length company to act as the Plymouth Habitat Bank. This Full Business Case is being prepared for presentation to Cabinet in March 2023. Phase 1 capital works for Devil's Point Blossom are complete. An opening event was held in August to celebrate the Devils Point Blossom improvements for the local community with 150 attendees. Additional funding was secured to deliver Phase 2 of the project, including new seating and interpretation, to be completed in March 2023. The Saltram rewilding project continues with support of Green Minds.</p>		
3.84	<p>Working with the creative and cultural sectors continue to deliver the Green Minds engagement programme, to support residents to take action for wildlife.</p>	<p>Service Director for Strategic Planning and Infrastructure</p>	<p>The Green Minds Project engaged with a total of 12,751 people (2,309 online, 10,442 in person) between January and December 2022, through online and in-person events (including volunteer sessions, creative commissions, Plymouth College of Art student projects, Keyham Greenspace Plan), 62% of whom were from more deprived neighbourhoods.</p>	<p>Achieved</p>	<p>No - to be considered as part of new corporate adaptation plan, which will be proposed in the Net Zero Action Plan</p>
3.85	<p>Deliver a nature-based leadership programme to bring together people from different sectors who share an interest in preserving the environment and to support the</p>	<p>Service Director for Strategic Planning and</p>	<p>Final sessions were held for the first cohort in the first quarter of 2022, involving 17 participants from a range of professions. A proposal is being pulled together to identify next steps for this programme. Ongoing support to blue and green nature social enterprises will continue to be provided. A licence was approved for the Village Hub in Blockhouse Park to manage an</p>	<p>Achieved</p>	<p>No</p>

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
	development of nature-based social enterprise.	Infrastructure	area of the park and we are supporting the group to develop a new entrance area to the park. An online resource hub for community social enterprise in parks launched in summer with Real Ideas as part of our Future Parks Accelerator Community Renewal Funds and Green Minds programme: <a href="https://realideas.org/environment-and-local-democracy/resource-hub/">https://realideas.org/environment-and-local-democracy/resource-hub/</a>		
3.86	Deliver a green social prescribing programme, to promote engagement with nature for health and wellbeing.	Service Director for Strategic Planning and Infrastructure	A pilot Green Social Prescribing scheme was successfully conducted in Central Park. A full report and next steps have been produced.	Achieved in part	No - to be considered as part of new corporate adaptation plan, which will be proposed in the Net Zero Action Plan
3.87	Working with community volunteers and young people, deliver natural infrastructure enhancements to increase biodiversity across the city, offering training, work experience, jobs and apprenticeships.	Service Director for Strategic Planning and Infrastructure	15 'Kick-start' placements are in progress with 2 participants offered roles post placement. The delivery of the Green Thinkers youth programme continues with Real Ideas, 14 have participated to date, 2 of whom went on to secure a 'Kick-start' placement with the green minds project. Green Minds continues to support 7 apprenticeships at the City Council, working with over 884 people, 450 of which were local to event site and 463 were young people (aged 0 to 24). Over 708 volunteers (187 of which were new attendees) provided 1360 hours of their time to this project. We have initiated design work with communities in Keyham greenspaces and West of City biodiversity enhancements. 1km of new access path was delivered a Duncombe Avenue (woodland in Honicknowle).	Achieved in part	No - to be considered as part of new corporate adaption plan, which will be proposed in the Net Zero Action Plan

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
3.88	Continue to deliver the Preventing Plastic Pollution Programme to remove plastic pollution raise awareness of the impact of single use plastics on the marine environment.	Service Director for Strategic Planning and Infrastructure	8 dive-cleans were held within Plymouth Sound National Marine Park saw the recovery of 2000km of angling line removed from the sea bed along with 55 bicycles, 22 scooters, 3 pushchairs, 1 motorcycle, 8 shopping trollies, 60 car/truck tyres and 80 bicycle tyres. All items were cleaned and recycled. 15km of Plymouth's waterfront has been targeted for beach cleans to provide input for data modelling as part of Preventing Plastic Pollution (PPP) project. 74 beach cleans were organised involving 488 volunteers who have collectively removed 851kg of litter including 478kg of plastic waste. 15 separate waste shark trials were carried out at Turnchapel Wharf, Plymouth Yacht Haven and Sutton Harbour, all the litter collected was analysed by the University of Plymouth. 6 angling bins funded by the project were installed and regular collections carried out since January 2022, collecting 32 kg of angling line by November 2022. A whale recycling unit sculpture has been installed on Plymouth Waterfront by the Lido, funded by Preventing Plastic Pollution, achieving a contamination rate below 5%. An art exhibition entitled 'Waste of Our Time' was created by two local environmental artists, engaging with local communities and school groups around marine plastics. A Plastic Free Protocol was produced to ensure public events held on Council land adhere to plastic footprint reducing criteria.	Achieved	No - but behavioural changes initiatives will be reviewed as part of engagement plan to be proposed in the Net Zero Action Plan
3.89	Continue to deliver the ReMEDIES and European Marine Site Recreation Impact Mitigation projects, which aims	Service Director for Strategic Planning and	Children's activities and games were designed for use at events and roadshows to promote the engagement of 1876 children with the project. In particular we produced a working model of an Advanced Mooring system to use at events including Southampton Boat Show and Sail GP. A video to explain what an Advance Mooring System is was commissioned and used by	Achieved	No - but seagrass offsetting initiative to be included in the Net Zero Action Plan

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
	to identify areas for large scale restoration of seagrass beds	Infrastructure	partners for education and engagement work ( <a href="https://saveourseabed.co.uk/protecting-our-seabed/recreational-boating/mooring/">https://saveourseabed.co.uk/protecting-our-seabed/recreational-boating/mooring/</a> ). We submitted a successful bid to the Natural Environment Investment Readiness Fund for Blue Carbon project to evaluate and develop the case for investment into seagrass restoration, with the initial focus on blue carbon as the primary source of revenue.		
3.90	Commence delivery of the Plymouth and South Devon Community Forest project, which will create 500 hectares of new woodland planting across the city by 2025.	Service Director for Strategic Planning and Infrastructure	24 hectares of new woodland were planted in year 1 across the city. A Community Forest week of action was held to engage communities in tree planting activity across the city. Over 400 people engaged in a series of events taking place in February 2022.	Achieved in part	Yes - in relation to offsetting initiative
3.91	Deliver a pilot permaculture project at Zoo Field in Central Park.	Service Director for Strategic Planning and Infrastructure	The majority of the landscape design has been delivered. We ran engagement activities, attended by a class of local school children and community volunteers.	Achieved in part	No - to be considered as part of new corporate adaptation plan, which will be proposed in the Net Zero Action Plan
3.92	Undertake a review of Local Nature Reserves in the city and give consideration to further designations to	Service Director for Strategic	This review of local nature reserves is dependent on the implementation of the Local Nature Recovery Strategy (LNRS), an important new policy requirement of the Environment Act, that will establish priorities and map	Achieved in part	No - to be considered as part of new corporate adaption plan,

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
	mitigate biodiversity and habitat loss.	Planning and Infrastructure	proposals for specific actions to drive nature's recovery and provide wider environmental benefits. Currently the City Council are awaiting the secondary legislation prior to starting this work. In the meantime the City Council are formulating the scope of the LNRS project, and are liaising with Devon County Council on the governance structure as the Plymouth strategy will be linked to the Devon-wide Local Nature Recovery Strategy.		which will be proposed in the Net Zero Action Plan
3.93	Building on the work of the Plymouth Skills Plan, we will support the development of green skills action plans for the key sectors of the Plymouth Economy, actively working with the Employment Skills Board, Skills Advisory Panel and Heart of the Southwest Local Enterprise Partnership and other key partners to secure funding to develop climate change skills.	Service Director for Education, Participation and Skills	<p>The Skills 4 Plymouth 5-year strategic plan has been finalised, with an embedded commitment to green skills. The City Council planned and participated in the city's first Future Homes Plymouth conference on 28 April. This was the first city wide event showcasing future near market opportunities for domestic energy retrofit and new build housing has attracted over 150 representatives from the local and regional construction industry:</p> <p><a href="https://www.buildingplymouth.co.uk/news/delivering-future-homes-for-plymouth">https://www.buildingplymouth.co.uk/news/delivering-future-homes-for-plymouth</a></p> <p>A Green Skills Coordinator has been appointed to help facilitate the development of the Green Skills Action Plan (GSAP) between October and November 2022. We held stakeholder engagement events with the Plymouth Employment &amp; Skills Board, the Heart of the South West Skills Advisory Panel &amp; Local Enterprise Partnership and the Plymouth Net Zero Partnership. The project will deliver a practical Green Skills Action Plan (GSAP) specifically for Plymouth, which focuses on ensuring local people have the right skills to enter into and progress in work, and local employers have the people they need with the right skills to deliver activities within those sectors that are responsible for</p>	Achieved	Yes

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
			the majority of emissions (as outlined in the Climate Emergency Action Plan), specifically: Buildings, Mobility, Power and heat, Waste.' Kovia Ltd was appointed in September 2022 to produce the GSAP. This was completed on 15th December 2022. This will be used by the Green Skills Coordinator to take positive steps forwards and contribute towards the Climate Emergency Action Plan from January 2023.		
3.94	Support businesses in the tourism industry to gain 'Green Tourism' accreditation, aiming to achieve 100 accreditations in 2022.	Service Director for Economic Development	The 'Green Tourism programme' was launched in February 2022 with a virtual conference which saw 68 businesses attending online. 37 sign-ups had been achieved by December 2022. Training sessions were delivered to a total of 81 participants on Carbon Foot printing, Introduction to Green Tourism and Green Edge sustainability. Presentations were given to audiences at various events including the Devon & Plymouth Chamber of Commerce, the Barbican Traders Association and Environment Plymouth, and meeting were arranged with multiple businesses owners and managers in person at their premises. Funding for this initiative has now ended.	Achieved in part	No
3.95	Provide direct support to businesses in sectors hard-hit by the pandemic to develop new business models and ensure a green, inclusive and sustainable economic recovery.	Service Director for Economic Development	The City Council have held a number of events that have been attended by over 100 businesses providing information on how to improve the sustainability of businesses, such as using cleaner commuting methods, the options for organisations to install solar energy and providing advice on how to start measuring carbon emissions. This has included running in-depth workshops allowing the attending businesses to leave with a measurement of their carbon footprint and develop a plan for its reduction. Businesses have also been provided with	Achieved	No



Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
			direct one-on-one support providing advice and signposting on how to reduce their environmental impacts.		
3.96	Continue to encourage partner organisations to adopt and align social value procurement policies and ensure carbon reduction is duly considered in their procurement initiatives.	Service Director for Finance	As part of the Spend4Plymouth initiative a number of cross-organisational activities have been delivered and are in progress to promote the 'buy local' and 'social value' agendas, both of which have a positive impact on the local environment. The Council has hosted a 'Sustainable Industrial Forum' where procurement professionals and suppliers with environmental solutions shared good practice. A number of local supplier engagement events have been delivered with the Federation of Small Businesses and Chamber of commerce such as 'Pitch and Procure'. A Plymouth buyer network has been set up bringing together local procurement representatives from public, private and third sector organisations to share good practice and align processes and policies where possible. The group meet monthly and work through the network includes meet the buyer events and a number of social value seminars. A piece of research exploring the extent to which Plymouth buys local and seeks to generate social value has been jointly commissioned by the City Council and Marjon University. A survey is currently live- <a href="https://marjon.onlinesurveys.ac.uk/plymouth-resilience-research">https://marjon.onlinesurveys.ac.uk/plymouth-resilience-research</a>	Achieved	No
3.97	Work with the Key Cities Group to benchmark innovative approaches to inform future climate actions and initiatives.	Assistant Chief Executive	The City Council continued to engage with the Key Cities Group and will work with them to collaborate and share best practice on this agenda as and when the opportunities arise. The City Council is also represented on the Key Cities Housing network which provides an opportunity to discuss challenges around the additional costs associated with	Achieved	No

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
			delivering net zero carbon housing. The Council also completed a Key Cities Net Zero research survey in October 2022. Following on from this we took part in a more detailed discussion with the network's research partner to help them gain a more detailed understanding of the context, successes, lessons learned, challenges and support requirements needed by member places to achieve net zero. This will be used to help guide the development of a Net Zero Framework for the Key Cities network.		
3.98	Review government commitments arising from COP 26 and the Net Zero Strategy in relation to new requirements on how Plymouth can meet its net zero ambitions by 2030.	Service Director for Strategic Planning and Infrastructure	This has been delivered through the creation of Plymouth's strategic narrative, outlined on our Climate Connections website ( <a href="http://climateconnectionsplymouth.co.uk">climateconnectionsplymouth.co.uk</a> ) which now sets out Plymouth's game plan to cut down the city's carbon emissions.	Achieved	No
3.99	Through the Community Empowerment programme, identify current engagement, intelligence and successful interventions around reducing emissions across the city to identify good practice and opportunities to expand, and any gaps to be addressed.	Director of Public Health	The Low Carbon Team attend community empowerment workshops to discuss the implications of the Climate Emergency Action Plan with the wide range of Voluntary and Community Social Enterprises representatives attending (up to 70). Plans are under discussion to link the Mobility Hubs to the Wellbeing Hubs and promote the use of ebikes.	Achieved	No - but behavioural changes initiatives will be reviewed as part of engagement plan to be proposed in the Net Zero Action Plan

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
3.100	Continue to work with Cornwall Council, Devon County Council and South Hams and West Devon councils on developing climate emergency initiatives including sharing good practice.	Service Director for Strategic Planning and Infrastructure	Work is on-going with our neighbouring authorities to continue to build and strengthen relationships and share good practice and develop climate emergency initiatives, for example through the work on the Devon Carbon Plan.	Achieved	No - but covered by wider partnership working commitments
3.101	Work with the Local Resilience Forum to scope a Plymouth Climate Resilience and Adaptation Plan.	Service Director for Strategic Planning and Infrastructure	The City Council are participating in the Devon Climate Emergency Climate Impacts Group, which is working on the development of an Adaptation Plan for the region. Membership of the group consists of neighbouring local authorities, utility services, academic institutions and partner organisations of the Local Resilience Forum. This group is responsible for assessing the impacts faced in the Southwest region, and reviewing current levels of community preparedness for a warmer world. The groups has appointed a specialist consultant to develop a Devon, Cornwall and Isles of Scilly Climate Adaptation Strategy which will be completed in January 2023.	Achieved	Yes
3.102	Put in place interim planning guidance, pending the review of the Joint Local Plan, to provide even greater protection to the natural environment, and even higher standards of low carbon design and resilience, so that planning practice stays in tune with changing national policy and	Service Director for Strategic Planning and Infrastructure	The Plymouth and South West Devon Climate Emergency Planning Statement was formally adopted by City Council on 21 November 2022.	Achieved	No

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
	guidance and gives proper weight to the climate emergency.				
3.103	Investigate the potential for the creation of a Carbon Offsetting Fund secured through Section 106 agreements to fund carbon saving initiatives where high energy efficient requirements in new developments cannot be met.	Service Director for Strategic Planning and Infrastructure	Provision for securing Section 106 contributions to offsetting included in the Plymouth and South West Devon Climate Emergency Planning Statement, which was adopted on 21 November 2022.	Achieved	No
3.104	Commit to establishing ahead of the 'Acceleration Phase' of the Plymouth Climate Emergency to the identification of climate budgets, monitoring trajectories and year on year milestone targets for all 5 key climate emergency sectors (buildings, mobility, power and heat, waste and engagement and responsibility).	Service Director for Strategic Planning and Infrastructure	This has been delivered through the creation of Plymouth's strategic narrative, outlined on our Climate Connections website ( <a href="http://climateconnectionsplymouth.co.uk">climateconnectionsplymouth.co.uk</a> ) which now sets out Plymouth's game plan to cut down the city's carbon emissions.	Achieved	No
3.105	Organise a themed day at Plymouth Libraries on the topic of climate change.	Strategic Director of Customer and	Plympton library held an environment day during February half term 2022. Working with a local 'Clean my Patch' group, we jointly organised an event that consisted of a 'rubbish and recycle' scavenger hunt for families. Items retrieved were then brought back to the library for a craft event. A science table	Achieved	No - but behavioural changes initiatives will be reviewed as part of engagement

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
		Corporate Services	<p>was set up by one of the volunteers for children to look at interesting bugs and creatures under the microscope and learn about the importance of all creatures in the environment. A story time to the families reading 3 books with a recycling or environmental theme.</p> <p>A second annual Climate Emergency themed day was held on 25 October 2022 at the Central Library. A number of partners (internal and external) attended and met with customers and visitors for a day of family activities. In the region of 550 to 600 customers visited the library on the day of the event, representing an additional 200 to 250 customers compared to a normal day.</p>		plan to be proposed in the Net Zero Action Plan
3.10 6	Continue to raise awareness of climate change issues by supporting the Future Plymouth 2030 conference programme in partnership with the Royal Institute of British Architects.	Service Director for Strategic Planning and Infrastructure	Led by the Royal Institute of British Architects (RIBA) in partnership with Stride Treglown Architects, the University's Sustainable Earth Institute, Low Carbon Devon and Plymouth City Council – and supported by a host of construction companies and professional institutes – Future Plymouth 2030 has earned praise for the way it has focused on key issues relating to low carbon futures. The second season began on 6 October 2021 and delivered a total of 16 webinars. Future Plymouth 2030 are in the process of establishing themselves as a Community Interest Company and has agreed to act in an advisory capacity to the Executive Board of the Net Zero Partnership.	Achieved	No - but behavioural changes initiatives will be reviewed as part of engagement plan to be proposed in the Net Zero Action Plan
3.10 7	Undertake the 2022 Plymouth Climate Challenge to support community-led climate change projects and initiatives.	Service Director for Strategic Planning	Due to insufficient funds in the City Change Fund, it has been agreed that the Plymouth Climate Challenge will not take place this year.	Not achieved	No - but behavioural changes initiatives will be reviewed as part of engagement

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
		and Infrastructure			plan to be proposed in the Net Zero Action Plan
3.108	Continue to engage with the Youth Parliament to ensure that the voice of children and young people is heard in relation to the climate emergency.	Service Director for Children, Young people and Families	The Participation Team have provided support to Youth Parliament campaigns and initiatives relating to the climate emergency, including a monthly Young Person Climate Emergency Group started in May 2022. The Youth Parliament are working towards delivering another Young Persons Climate Emergency Summit in the spring of 2023. Members of the Youth Parliament have been sponsored by the Council as City Climate Ambassadors and advisors to the Cabinet Member for Climate Change; the Youth Parliament has representation on the Plymouth Net Zero Partnership Executive Board.	Achieved	No - but behavioural changes initiatives will be reviewed as part of engagement plan to be proposed in Net Zero Action Plan
3.109	Continue to promote Ashden Let's Go Zero Campaign to Plymouth's primary and secondary schools to encourage all schools in the city to develop net zero carbon plans.	Service Director for Education, Participation and Skills	Promotion of the Let's Go Zero campaign is included in Health and Wellbeing in Education Briefings at various points throughout the year.	Achieved	No - but behavioural changes initiatives will be reviewed as part of engagement plan to be proposed in Net Zero Action Plan
3.110	Hold Climate Emergency events for Plymouth schools by embedding it in health and wellbeing briefings.	Service Director for Education, Participati	The Healthy Child Quality Mark (HCQM) programme has been redesigned to include net zero carbon related developments. Low Carbon input (Lets' Go Zero) has been	Achieved	No - but behavioural changes initiatives will be reviewed as part of engagement

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
		on and Skills	delivered to meetings of the Health and Wellbeing in Education Professional Community (2022).		plan to be proposed in the Net Zero Action Plan
3.11 1	Expand the programme for Climate Change Ambassadors across the whole of Plymouth.	Service Director for Strategic Planning and Infrastructure	The programme has been fully scoped and youth ambassadors were identified. The roll out of wider recruitment to the programme began in June 2022, and so far we have recruited seven ambassadors through spontaneous applications, and had five individuals accept our invitation. The main recruitment boost is set to coincide with the delivery of phase 2 of the city's climate website where the scheme will be advertised. Climate Ambassadors meet at regular intervals to discuss initiatives that can be put in place to increase recruitment, raise awareness of climate change and drive action.	Achieved	Yes
3.11 2	Implement the Building Resilience in Communities social innovation project in the Lipson and Keyham areas to improve and enhance community resilience and increase their ability to meet the challenges posed by climate change.	Service Director for Strategic Planning and Infrastructure	The Building Resilience in Communities (BRIC) project hosted engagement events with Lipson Vale residents about their feelings on climate change and preparedness for flooding and are collaborating with Lipson Cooperative to install a Weather Station in their school grounds for use by pupils across various curriculum subjects and the local community. We hosted four community engagement events to consult the public and raise awareness of the flood risk and led 30 appreciative inquiry interviews in the St Levan Park area. We circulated a local newsletter for Lipson Vale and surrounding areas. Collaborative relationships being built with stakeholders South West Water, Environment Agency, Cornwall Community Flood Forum and others. Nine 'Flood Awareness in the Community' digital badges have been issued to members of the community. BRIC have attended community events to share	Achieved	No - to be considered as part of new corporate adaptation plan, which will be proposed in the Net Zero Action Plan

Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
			their 'Slow the Flow' message. Since September 2022, BRIC have focussed on small targeted community events and workshops to continue raising awareness of flood risk and to encourage the formation of Flood Action Groups within high flood risk communities. Rolling out a programme of Home and Dry workshops to raise awareness of flood risk management.		
3.11 3	Continue to liaise with interested stakeholders to explore the opportunities and challenges of delivering land and maritime applications for hydrogen generation, supply and use for motorised transport in Plymouth.	Service Director for Strategic Planning and Infrastructure	The City Council has been facilitating meetings of a roundtable group of key stakeholders interested in the use of hydrogen in transport. The City Council continues to liaise with interested stakeholders and discussions will continue into 2023 and beyond. Work to support the exploration of hydrogen production and the potential for hydrogen in the region has been ongoing. Work has been taking place at a sub-regional level with Peninsular Transport Sub-National Transport Board and the Heart of the South West Local Enterprise Partnership as well as locally with businesses and consultants supporting their research. One green hydrogen production project based at Langage and associated with the Plymouth and South Devon Freeport has already been consented and has a commissioning target date of late 2025. A discussion paper on the use of hydrogen in public transport is being prepared to facilitate a discussion at the next Growth and Infrastructure Overview and Scrutiny Committee meeting in March 2023.	Achieved	No - although the Net Zero Action Plan to include linked initiatives supporting infrastructure for alternative fuels
3.11 4	Establish a Climate Emergency Investment Fund to provide finance to support projects and initiatives to accelerate reductions in carbon emissions	Service Director for Finance	On 28 February 2022 the City Council approved a budget for the creation of a Climate Emergency Investment Fund with an initial value of at least £2m capital investment. The anticipated benefits of the fund were identified as: reducing the City Council's carbon emissions, reducing the City's carbon emissions and helping to contribute to the Council's	Achieved	No



Ref	Actions	Lead	Progress Narrative	Status	Carry forward to the Net Zero Action Plan?
	and lobby government to resource future provision.		declaration to be net-zero carbon by 2030; allowing the City Council to be more agile and successful in pursuing external funds that support the Climate Emergency, ensuring equality within the Climate Emergency response and saving the Council money in the longer term by scaling up the response to the climate emergency, now delivering actions that will get more expensive over time. The Climate Emergency Investment Fund scheme is now in place and process of allocating funds has commenced. Additionally, the City Council has sought additional freedoms and flexibilities in the Devon Devolution Deal proposal in order to increase Climate Emergency funding available.		