

# Climate Action Plan

## Focus area 1: Estate emissions

### Building decarbonisation

Action	Date	Funding	Owner	For Norfolk County Council (NCC) reference
Utilise the approved capital expenditure of £22.5m to undertake the first tranche of building decarbonisation works on our freehold sites with fossil fuel heating, as agreed by Cabinet in June 2023	2025	Salix funding	Corporate Property Team	Tranche 1
Apply for 2023 round of Public Sector Decarbonisation Fund to support building decarbonisation	2023	Existing staff resource	Corporate Property Team	Tranche 1
Prepare options appraisal for second tranche of building retrofit works	2025	Public Sector Decarbonisation Fund (PSDF)	Corporate Property Team	Tranche 1
Continue to seek external grant funding towards the decarbonisation of NCC buildings Ongoing Corporate Property	Ongoing	Existing staff resource	Corporate Property Team	Tranche 1

### Vehicle Fleet

Action	Date	Funding	Owner	For NCC reference
Keep under review the hybrid leased emergency response vehicles within Norfolk Fire Service for the potential to transition the vehicles to full electric versions as charging infrastructure allows	Ongoing	Internal Revenue	Norfolk Fire and Rescue Service	Tranche 1
Oversee completion of the current tranche of around 40 charge point installations across 16 council-owned sites	2024	Capital funding	Corporate Property Team	Tranche 1
Review lessons learned from first set of charge points and develop options for further rollout across NCC sites - based around feedback and use	2024	Existing staff resource	Corporate Property Team	Tranche 1

Action	Date	Funding	Owner	For NCC reference
Develop usage policy that encourages staff and visitor use of County Hall charge points	2023	Existing staff resource	Corporate Property Team	Tranche 1
Transition NCC owned cars and light vans to electric when they come up for replacement where practicable	Ongoing	Capital funding	Procurement in consultation with user departments	Tranche 1

## Digital Services

Action	Date	Funding	Owner	For NCC reference
Keep reducing and rationalising the on-site server estate over the next three years for the remaining local requirement. This includes a reduction in storage volumes, advances in our server efficiency, and migration of locally held files and applications to cloud services	2025	Existing staff resource	Digital Services	Tranche 1
Improve smart energy management systems through a redesign of the collection of half-hourly data on gas, electric and solar usage across the corporate estate	2023	Existing staff resource	Digital Services	Tranche 1
Install Internet of Things-enabled smart sensors across our corporate estate to track temperature, humidity and CO2 in a building. This provides insight to energy consumption patterns to identify energy-efficient practices	2023	Joint-funded: New Anglia Local Enterprise Partnership (LEP) grant and NCC capital funding	Digital Services	Tranche 1

## Focus area 2: Indirect emissions

### Procurement and Sustainability – Building construction and maintenance

Action	Date	Funding	Owner	For NCC reference
Let a framework for retrofit works to decarbonise our estate that helps drive the development of local green skills	2023	Existing staff resource	Procurement	Tranche 1

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Include a requirement for suppliers joining the new construction framework to have corporate carbon reduction plans. The new construction framework is due to replace the existing framework which will expire at the end of September 2023	2023	Existing staff resource	Procurement	Tranche 1

### Procurement and Sustainability – Highways construction and maintenance

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Integrate carbon reduction as an evaluation criterion in the procurement of the Long Stratton Bypass construction works	2023	Existing staff resource	Highways Services	Tranche 1
Use lessons learned from the Long Stratton Bypass procurement to inform approach to integrating carbon reduction in the procurement of the West Winch Housing Access Road	2024	Existing staff resource	Highways Services	Tranche 1
Integrate carbon reduction into the re-procurement of our highway works, design and traffic signals contracts for the new contracts that take effect in 2026	2025	Existing staff resource	Highways Services	Tranche 1
As condition of renewal of Norse Highways maintenance contract require a carbon reduction plan to be introduced	2024	Existing staff resource	Highways Services	Tranche 1
Draw on the expertise in innovative road pavement design and engineering of Norse Partnership Laboratory for specifying appropriate low carbon materials and techniques when contracting for highways works	Ongoing	Existing staff resource	Highways Services	Tranche 1

### Procurement and Sustainability – Passenger transport

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Develop a carbon reduction strategy for the passenger transport procurement category	2023	Existing staff resource	Procurement	Tranche 1

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Engage with districts through the Norfolk Climate Change Partnership on aligning hackney and private hire licensing arrangements with the transition to lower carbon passenger transport contracting	2024	Existing staff resource	Procurement	Tranche 1
Engage with passenger transport operators about barriers and opportunities for reducing the emissions related to home-to-school transport provision	2024	Existing staff resource	Passenger transport	Tranche 1

### Procurement and Sustainability – Social care

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Use the re-procurement of home care services across the county to encourage more efficient route planning and use of lower emission vehicles or sustainable travel options where practicable	2024	Existing staff resource	Procurement	Tranche 1
Build on the residential care energy audit pilots to engage with the care sector on sharing opportunities and best practice for lowering energy costs and reducing carbon	2024	Existing staff resource	Procurement	Tranche 1

### Procurement and Sustainability – Collaboration

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Explore opportunities for public sector procurement partnering with local NHS providers through Norfolk and Waveney Integrated Care System	Ongoing	Existing staff resource	Procurement	Tranche 1

### Procurement and Sustainability – Waste

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Review carbon-efficient solutions for processing Norfolk's residual waste as part of exploring options beyond the current contract with Veolia and Suffolk County Council. These arrangements run until 2027 with possible extension until 2029	2027	Existing staff resource	Waste	Tranche 1

## Procurement and Sustainability – Processes

Action	Date	Funding	Owner	For NCC reference
<p>For our gold tiered contracts, make our carbon management approach more rigorous and standardised, including:</p> <ul style="list-style-type: none"> <li>• Monitor the publication and updates to corporate carbon reduction plans of our gold tier suppliers</li> <li>• Take opportunities of contract breakpoints in our gold contracts for integrating carbon reduction considerations</li> <li>• Seek feedback from suppliers on how we can be a better client in supporting carbon reduction (such as through our specifications and key performance indicator (KPIs))</li> </ul>	Ongoing	Existing staff resource	Procurement	Tranche 1
Improve our procurement intake process to enable early identification of requests with carbon implications	2024	Existing staff resource	Procurement	Tranche 1

## Our Companies

Action	Date	Funding	Owner	For NCC reference
Norse to publish a group net zero strategy that aligns with the council's Climate Strategy by summer	2024	Norse existing staff resource (individual business cases for specific initiatives will need to be considered by Norse board)	Norse	Tranche 3
Council to incorporate suitable carbon targets in the renegotiated highways routine maintenance service level agreement (SLA) with the Council	2024	Existing staff resource (staff to negotiate; adoption of alternative materials and techniques where practicable and cost effective)	Highways	Tranche 3

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Hethel Engineering Centre to deliver Phase 4 extension to BREEAM 'Excellent' rating, subject to planning approval. This would make it net zero in operation and put it in the top 10% of UK new non-domestic building stock in terms of energy performance	2025	Initial costs expected late 2024, with view (subject to funds) to proceed in 2025	Hethel Innovation Limited (Hethel)	Tranche 3
Develop business case for further solar development on site at Hethel Engineering Centre, with an aim to quadruple current generation. This includes exploring joint renewables projects with Lotus, including the Indus project funding opportunity	2025	Hethel existing staff resource (to develop cases which will be assessed for cost-effectiveness and funding options by Hethel board)	Hethel	Tranche 3
Explore feasibility of replacing fossil fuel heating sources at Hethel Engineering Centre through Public Sector Decarbonisation Scheme (PSDS) grant funding	2025	Hethel board will need to assess budget capacity and cost effectiveness of capital investment with PSDS grant support	Hethel	Tranche 3
Hethel, Lotus and NCC to explore feasibility of joint application to Department for Transport's 'Rural Transport Accelerator' fund to improve the transport connections to the site	2024	Hethel existing staff resource to identify funding options going forward	Hethel	Tranche 3
All Repton Property Development Limited developments since June 2023 have been either designed to be fitted with a heat pump or built as heat-pump ready (avoiding microbore pipes, and sufficient cupboard space for the hot water cylinder)	Ongoing	Commercial decision by company based on market demand	Repton Property Development Limited (Repton)	Tranche 3

Action	Date	Funding	Owner	For NCC reference
<p>All Repton Property Development Limited developments since June 2023 have been either designed to be fitted with a heat pump or built as heat-pump ready (avoiding microbore pipes, and sufficient cupboard space for the hot water cylinder)</p> <ul style="list-style-type: none"> <li>current schemes that started in 2022 or later are being developed with low carbon air-source heat pumps rather than gas boilers, ahead of regulatory requirements. This covers 78 homes on 3 sites</li> </ul>	2026	Commercial decision by company based on market demand	Repton	Tranche 3
<p>All Repton Property Development Limited developments since June 2023 have been either designed to be fitted with a heat pump or built as heat-pump ready (avoiding microbore pipes, and sufficient cupboard space for the hot water cylinder)</p> <ul style="list-style-type: none"> <li>Repton will continue to install non-fossil-fuel heating wherever practicable</li> </ul>	Ongoing	Commercial decision by company based on market demand	Repton	Tranche 3
<p>All Repton homes that have parking spaces have had either an EV charger or cable routing for a charger as standard since 2023 ahead of regulatory requirements</p>	Ongoing	Commercial decision by company based on market demand; a regulatory requirement for future homes	Repton	Tranche 3
<p>All Repton homes that have parking spaces have had either an EV charger or cable routing for a charger as standard since 2023 ahead of regulatory requirements</p> <ul style="list-style-type: none"> <li>all 200 Repton homes at Hopton will have an electric vehicle (EV) charger, including those commenced before this became a regulatory requirement</li> </ul>	2026	Commercial decision by company based on market demand; a regulatory requirement for future homes	Repton	Tranche 3

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Repton is converting redundant NCC property to deliver high-quality homes that minimise embedded carbon through using existing structural elements	2024	Commercial decision by company based on market demand	Repton	Tranche 3
Repton is converting redundant NCC property to deliver high-quality homes that minimise embedded carbon through using existing structural elements <ul style="list-style-type: none"> <li>at Hunstanton Repton will deliver 11 units</li> </ul>	2024	Commercial decision by the company based on market demand	Repton	Tranche 3
Repton is converting redundant NCC property to deliver high-quality homes that minimise embedded carbon through using existing structural elements <ul style="list-style-type: none"> <li>Repton is seeking planning permission for 29 further such homes at Trowse and Sedgeford</li> </ul>	2024	Commercial decision by the company based on market demand	Repton	Tranche 3
Repton will provide information to buyers and tenants about how to set up their boilers or heat pumps most economically	2024	Negligible cost as part of Repton's operating costs	Repton	Tranche 3
Repton will explore buyer interest in 'bill free' residential developments in its schemes with a combination of solar, battery packs and heat pumps	2024	Commercial decision by the company based on market demand	Repton	Tranche 3

## Our Staff

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Develop 'introduction to our Climate Strategy' training sessions for staff and councillors to help raise awareness of our commitments and understanding of climate issues in Norfolk more broadly	2024	Existing staff resource	Strategy, Design and Delivery team	Tranche 3



Action	Date	Funding	Owner	For NCC reference
Develop a package of actions by autumn 2024 for embedding awareness amongst staff of the council's commitments on climate and opportunities to reduce both emissions and cost through careful day-to-day management	2024	Existing staff resource	Strategy, Design and Delivery team	Tranche 3

## Focus area 3: County-Wide

### Digital Solutions and Connectivity

Action	Date	Funding	Owner	For NCC reference
Better Broadband for Norfolk (BBfN) phase 3 - deliver gigabit capable broadband to 8,221 premises across Norfolk	2024	Grant from Department Culture, Media and Sport (now Building Digital UK)	Digital services	Tranche 1
Project Gigabit (Department for Digital, Culture, Media and Sport funded) - contract awarded in June 2023 with 62,000 rural premises in scope for upgrade to gigabit capable fibre broadband	2026	Grant from Department Culture, Media and Sport (now Building Digital UK)	Digital services	Tranche 1
Fixed Wireless Access project: connect 10 rural village halls with Starlink satellite-based internet services installed, along with free public wireless access. Services will be funded for up to 3 years with regular assessments into the effectiveness of the service, and whether it is suitable and cost effective for communities with poor internet coverage	2025	New Anglia Local Enterprise Partnership Grant	Digital services	Tranche 1
Deploy test case Internet of Things sensors that can monitor air quality, identify pollution hotspots and guide targeted interventions. The initial use case will be at Castle Meadow in Norwich with a second site on Magdalen Street in Norwich. A different type of sensor will also be tested at a school site linked to a roadside Wescotec device	2024	New Anglia Local Enterprise Partnership grant and ring-fenced funding from contracts	Digital services	Tranche 1

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Deliver the Smart Farm Project to trial the use of IoT sensors and devices across two farm locations with both arable and livestock use cases. The project aims to demonstrate benefits to the farm team in areas such as monitoring field conditions, storage of grain and fertiliser, water, livestock, and safety and security	2024	Social Value from contracts	Digital services	Tranche 1
Engage with local businesses, community organizations, technology providers and academia to foster collaboration in implementing IoT solutions for climate action	Ongoing	Existing staff resource	Digital services	Tranche 1

## Energy

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Work with Norfolk Climate Change Partnership to produce a Norfolk wide energy plan identifying the optimal pathway to decarbonising power, heat and transport for residents, businesses, and properties. This will build on focused stakeholder meetings in Autumn 2023 and with a brief for a procurement exercise in 2024 - timeline contingent on County Deal	2024	Norfolk Investment Framework (NIF), UK Power Networks (UKPN), National Grid	Growth and Investment	Tranche 2
Support UK Power Networks to identify opportunities which can help overcome power constrained areas	2023/2024	NIF, UKPN, National Grid	Growth and Investment	Tranche 2
Engage with the National Grid East Anglia cluster model to explore how Nationally Significant Infrastructure projects can demonstrate socio-economic benefits	2023/2024	Existing staff resource	Growth and Investment	Tranche 2

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Provide National Grid and UK Power Networks with local housing, jobs and technology data to feed into their future scenario modelling and investment strategy. This will help ensure sufficient electricity infrastructure is planned to allow the uptake of electric heating and transport	2023/2024	NIF	Growth and Investment	Tranche 2
Support renewable energy generation across the county by facilitating discussions between District Council and Energy Systems Catapult to identify innovative onsite energy solutions where new infrastructure is not currently available	2023	NIF, UKPN, National Grid	Growth and Investment	Tranche 2
Feed into the National Grid study into options for electricity network infrastructure in East Anglia, ensuring Norfolk's objectives for minimal onshore infrastructure and upgrades that benefit local residents and businesses are considered	2024	Nationally Significant Infrastructure Project (statutory work)	Growth and Investment	Tranche 2

## Commercial and Industrial

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Support the re-establishment of the Norfolk Clean Growth Taskforce to facilitate behaviour change in the industrial and commercial sectors and encourage the sharing of best practice. This would include representatives across the business, utilities and public sectors	2024/2025	Existing staff resource	Growth and Investment	Tranche 3

Action	Date	Funding	Owner	For NCC reference
Support Norfolk's local business sector in their efforts to reduce their carbon footprint, through schemes such as the Carbon Charter	2024/2025	Existing staff resource (funding needs will be subject to business case approval and budget or external funding identification)	Growth and Investment	Tranche 3
Work with local networks to support SMEs (small and medium enterprises) on their journey to net zero	2024/2025	Existing staff resource	Growth and Investment	Tranche 3
Facilitate heat network opportunity identification by using our ability to help link industrial heat sources and potential heat customers with developers	Ongoing	Existing staff resource	Growth and Investment	Tranche 3
Take forward Seaweed in East Anglia (SEA) – pilot to develop a sustainable and viable seaweed industry in Norfolk. The project builds on challenges identified as part of the Algae Innovation Platform. The platform brings 90 local, domestic and international stakeholders together to understand how to develop a sustainable and viable seaweed industry. The project will work with partners in the Netherlands, already implementing sea farms	2024	NIF	Growth and Investment	Tranche 3

Action	Date	Funding	Owner	For NCC reference
<p>Take forward Net Zero East RENEW - feasibility study into the re-diversion of rainwater, surface and drainage water towards key stakeholders or storage locations across Norfolk. The study will consider how rediverting rainwater, surface and drainage water to shared infrastructure could benefit cross-sector demands, providing recommendations to policymakers. Four concept design locations include St. Germans (re-use of drainage water), Bacton (shared desalination assets), Scottow Enterprise Park (for rainwater capture) and Caister (involving treated effluent re-use)</p>	2024	NIF	Growth and Investment	Tranche 3
<p>Clean Hydrogen Strategy - develop a detailed clean hydrogen strategy for the Cambridge Norwich Tech Corridor (CNTC) area. The strategy will drive forward the delivery of a clean hydrogen economy in the CNTC area and will therefore support Norfolk's wider progress towards net-zero</p>	2024	NIF	Growth and Investment	Tranche 3
<p>Agri-food Industrial Decarbonisation - Develop a Norfolk-wide industry-led roadmap, establishing how best to support agri-food and land management to decarbonise by capitalising on local strategic opportunities.</p> <p>Project will use knowledge from the large industrial emitters across Norfolk such as British Sugar, Bacton, Palm Paper and the two Power Stations (Great Yarmouth and King's Lynn) to support SME peer-to-peer learning in the agri-food sector and beyond</p>	2024	NIF	Growth and Investment	Tranche 3

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Norwich Solar System – feasibility to establish a solar consortium in the Norwich Business Improvement area into, to use the energy generated. Initial focus of research will be on the potential development of rooftop solar panels in Norwich and will include a survey of potential sites for installations, with the final report setting out the methodology required to develop rooftop energy generation offer	2024	NIF	Growth and Investment	Tranche 3
Norfolk Rural EV Charging Point Pilot - increase the availability of public electric vehicle charging points (EVCPs), particularly in rural communities. The project seeks to make use of existing public and private infrastructure and incubate the growth of EV ownership by increasing available facilities. The project will establish a charging network initiative and improve user experience through a universal payment, maintenance and support system	2024	NIF	Transport	Tranche 3
Construction of the Great Yarmouth Operations & Maintenance Campus: construction commenced in September 2023. The campus will support growth in Norfolk’s offshore wind sector, supporting UK transition to Net Zero through renewable energy generated. The campus is set to set to create 288,700 square feet of lettable space and up to 650 jobs, as well as drive investment in the renewable energy sector in the region	2025	Funding with contributions from NCC, Great Yarmouth Borough Council, Norfolk pooled business rates and government grant	Growth and Investment	Tranche 3

## Transport

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
---------------	-------------	----------------	--------------	--------------------------

Action	Date	Funding	Owner	For NCC reference
Continue to deliver the Local Transport Plan and <a href="#">Local Transport Plan 4 Implementation Plan</a> , and other localised transport strategies across Norfolk, which complement the Climate Strategy	Ongoing	Scheme specific	Transport and Growth and Investment	Tranche 3
Review any guidance issued by government on Local Transport Plans and use this to inform future iterations of transport planning and strategy work across Norfolk	Guidance dependent	Existing staff resource	Transport and Growth and Investment	Tranche 3
In the absence of government guidance, take proactive steps to investigate carbon reduction from transport in Norfolk, including commissioning our term consultants to model carbon in relation to the Norfolk transport context as well as potential lower carbon pathways	2024	Resourced through the Local Transport Plan (LTP) budget, formed of a preparation grant from Department for Transport and pooled business rates	Transport and Growth and Investment	Tranche 3

Action	Date	Funding	Owner	For NCC reference
<p>Make sustainable and active travel attractive in Norfolk by:</p> <ul style="list-style-type: none"> <li>working in partnership with First Bus to deliver the 70 electric buses funded by the Zero Emission Bus Regional Area (ZEBRA) programme</li> </ul>	2024	Department for Transport grant and First Bus funding	Transport	Tranche 3
<p>Make sustainable and active travel attractive in Norfolk by:</p> <ul style="list-style-type: none"> <li>implementing the following public transport schemes through the Bus Service Improvement Plan (BSIP) and Transforming Cities Fund (TCF) programmes: <ul style="list-style-type: none"> <li>£12m worth of new or enhanced services</li> <li>reduced single fares in King's Lynn, Thetford, and Gt. Yarmouth</li> <li>20 improved bus stops with new shelters, seating and real-time information screens</li> <li>4 new travel hubs linking buses, walking and cycling</li> <li>15 bus priority schemes across Norwich, Gt. Yarmouth and King's Lynn</li> <li>Bus and cycle route between the airport and the airport industrial estate (TCF)</li> <li>Norwich Bus Station travel hub (TCF)</li> </ul> </li> </ul>	2024/2025	Government grants from Department for Transport	Transport	Tranche 3



<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
<p>Make sustainable and active travel attractive in Norfolk by:</p> <ul style="list-style-type: none"> <li>finalising Norfolk County Council’s Walking, Wheeling and Cycling Strategy alongside the Local Walking and Cycling Infrastructure Plans which cover Norfolk</li> </ul>	2024	Existing NCC budgets	Transport and Growth and Investment	Tranche 3

Action	Date	Funding	Owner	For NCC reference
<p>Make sustainable and active travel attractive in Norfolk by:</p> <ul style="list-style-type: none"> <li>• completing the following walking, wheeling and cycling improvements: <ul style="list-style-type: none"> <li>• Heartsease Roundabout (TCF)</li> <li>• Bowthorpe travel hub (TCF)</li> <li>• Mile Cross Norwich walking and cycling facilities</li> <li>• Middleton Road, Gt Yarmouth, cycle lanes and crossings</li> <li>• Jellicoe Road, Gorleston, cycle lanes and crossings</li> <li>• Old Hunstanton A149, shared use</li> <li>• Fleggburgh A1064, crossing</li> <li>• Quebec Road, Dereham, crossing</li> <li>• Brundall The Street, crossings</li> <li>• Hethersett, Back Lane, crossing</li> <li>• Edward Benefer Way, King's Lynn, crossing</li> <li>• Sandringham, A149, crossing</li> <li>• Gayton Road, King's Lynn, crossing</li> <li>• Low Road, Wotton Road, King's Lynn, crossing</li> <li>• Edward Benefer Way, King's Lynn, cycle link</li> <li>• Bergen Way, King's Lynn, crossing</li> </ul> </li> </ul>	2024/2025	Active Travel England grants and King's Lynn Town Deal funds	Transport	Tranche 3

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
<p>Make sustainable and active travel attractive in Norfolk by:</p> <ul style="list-style-type: none"> <li>working in partnership with shared micro-mobility operators to increase the number of kilometres travelled in Norfolk using shared micro-mobility, and track the carbon savings associated with this usage</li> </ul>	2024/2025	Beryl operates commercially	Transport	Tranche 3
<p>Support the electrification of vehicles for domestic, business and freight purposes by:</p> <ul style="list-style-type: none"> <li>facilitating the delivery of 66 charging points in residential areas where few people have driveways (current Norwich on-street charging pilot)</li> </ul>	2024	Chargepoint operator. Profit-share applies	Transport	Tranche 3
<p>Support the electrification of vehicles for domestic, business and freight purposes by:</p> <ul style="list-style-type: none"> <li>facilitating ultrafast charging on main routes, for example reviewing whether Harford Park &amp; Ride might be a suitable site for this</li> </ul>	2024	Income opportunity – commercial lease and/or profit-share	Transport	Tranche 3
<p>Support the electrification of vehicles for domestic, business and freight purposes by:</p> <ul style="list-style-type: none"> <li>facilitating destination charging in tourist areas through the LEVI project</li> </ul>	2024	Local Electric Vehicle Infrastructure (LEVI) Fund	Transport	Tranche 3
<p>Support the electrification of vehicles for domestic, business and freight purposes by:</p> <ul style="list-style-type: none"> <li>producing a case study or studies relating to management of electric vehicle fleets</li> </ul>	2024/2025	Existing staff resource	Procurement	Tranche 3

Action	Date	Funding	Owner	For NCC reference
<p>Support the electrification of vehicles for domestic, business and freight purposes by:</p> <ul style="list-style-type: none"> <li>exploring options for supporting businesses with low carbon last mile deliveries, building on existing project such as the e-cargo bike share scheme for businesses operating in Norwich's Air Quality Management Area</li> </ul>	2024/2025	Business case and funding options to be considered for any emerging projects	Transport	Tranche 3
<p>Work with the Growth and Investment team to ensure that any work on the Norfolk-wide Local Area Energy Plan includes work to support the decarbonisation of transport, for example through identifying strategic sites where capacity may be required to meet both building energy and transport energy demand, to ensure that these can be considered holistically rather than in isolation. Plus, ensure that any renewable energy generation is linked to low carbon transport systems if appropriate (e.g. EVs can be used to balance out peaks in renewable energy supply)</p>	2024/2025	Existing staff resource	Transport	Tranche 3

Action	Date	Funding	Owner	For NCC reference
<p>Continue to collaborate with partners at a local and regional level, such as Transport East. As well as continuing to work with national and international funding bodies (Department for Transport [DfT], Active Travel England [ATE], Department for Environment, Food &amp; Rural Affairs [DEFRA]) etc to leverage additional external grant funds for lower carbon transport options. Previous successful funding bids include the Zero Emission Buses Regional Area (ZEBRA) bid for 70 electric buses in Norwich, the DEFRA-funded e-cargo bike share scheme for businesses in Norwich and Local Electric Vehicle Infrastructure (LEVI) funding for Electric Vehicle infrastructure, as well as ATE where significant funding for active travel schemes has been secured in the past</p>	2024/2025	Existing staff resource	Transport and Growth and Investment	Tranche 3
<p>Collaborate with Norwich City Council, District Council and Borough Council colleagues regarding air quality, both to raise awareness of air quality issues and to improve air quality, which often has corresponding impacts on carbon, for example through the Countywide Air Quality group and joint funding bids to secure funds for delivery</p>	2024/2025	Existing staff resource	Transport and Public Health	Tranche 3
<p>Improve data collection to ensure that we have a robust evidence base for decision making around lower carbon transport, including making use of emerging technologies such as AI count technology which can count how many different types of road user are using a stretch of footway/carriageway using recognition technology (rather than methods which involve manual counting)</p>	2024/2025	Existing staff resource (where necessary, cost effectiveness and funding options to be considered for related initiatives as opportunities arise.)	Transport, Highways, Public Health and Growth and Investment	Tranche 3

Action	Date	Funding	Owner	For NCC reference
<p>Ensure that transport contract procurement/re-procurement includes appropriate requirements and/or key performance indicators around carbon and climate change. This links to actions in Tranche 1 relating to procurement:</p> <ul style="list-style-type: none"> <li>- Develop a carbon reduction strategy for the passenger transport procurement category (Procurement)</li> <li>- Engage with districts through the Norfolk Climate Change Partnership (NCCP) on aligning hackney and private hire licensing arrangements with the transition to lower carbon passenger transport contracting (Procurement)</li> <li>- Engage with passenger transport operators about barriers and opportunities for reducing the emissions related to home-to-school transport provision (Passenger transport)</li> </ul> <p>Undertake preparatory work relating to new highways-related contract ensuring carbon/climate are embedded in the process</p>	2024	Existing staff resource	Transport, Highways and Procurement	Tranche 3
<p>Investigate opportunities to improve network resilience in light of potential impacts of extreme weather and climate change, for example sensor technology and variable message signs could be used to detect and warn of flooding/advise of diversionary routes</p>	2024/2025	Cost effectiveness and funding options to be considered for any emerging projects	Transport and Highways	Tranche 3

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Identify opportunities to work with businesses and residents to encourage car-sharing and shared vehicles (car clubs) across Norfolk	2024/2025	Existing staff resource – any car club etc anticipated to be self-funding and/or grant funded by others	Transport	Tranche 3

### Waste – Reduction and circular economy

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Reducing food waste: Work with colleagues in Suffolk to deliver a communications campaign under the banner of 'Food Savvy', supporting householders to make the most of their food and throw away less. Moreover, deliver training to Food Waste Ambassadors within the community to raise awareness of resources available and enable individuals with skills and tips to manage food	2025	NCC waste revenue budget	Waste	Tranche 2
Home composting: Provide subsidised home compost bins and supporting their use through the Master composter volunteer programme. Training members of the community in successful home composting working with Garden Organic research charity	2025	NCC waste revenue budget	Waste	Tranche 2
Expand recycling credits for districts and community groups to support parish councils, charities, and other not for profit organisations in collecting household waste for recycling	Ongoing	NCC waste revenue budget	Waste	Tranche 2
Reduce Single Use initiative: Maintain a communications campaign to reduce the number of single use items thrown away, with a current focus on Refill campaign to target single use food and drinks items	2024	NCC waste revenue budget	Waste	Tranche 2

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Work through the Norfolk Waste Partnership on initiatives and campaigns focused on reducing recycling contamination and increasing the capture rate of recyclable materials	Ongoing	NCC waste revenue budget	Waste	Tranche 2
Improved recycling centres: Review feasibility for improvement of the network of recycling centres across the county to improve services, performance and accessibility	Ongoing	NCC waste revenue budget	Waste	Tranche 2
Support the East of England Plastic Coalition in their aims to reduce the amount of plastic waste in the marine debris around our coast and reduce the amounts of plastics found in our wastewater systems from households	Ongoing	NCC waste revenue budget	Waste	Tranche 2
Support the placement of community fridges across the county preventing food from retailers close to expiry from going to waste. Fridges are located in community hubs and accept donations from individuals. All food is free to be taken from the fridges	2025	NCC waste revenue budget	Waste	Tranche 2
Review opportunities to develop infrastructure to support reuse and raising awareness of opportunities to reuse items that may have otherwise gone to waste. This includes potential expansion of reuse shops at recycling centres, developing partnerships with third sector and increasing breath of operations to include more materials, such as furniture and electricals	Ongoing	NCC waste revenue budget	Waste	Tranche 2

### Waste – Closed landfill management

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Maximise capture of landfill methane through efficient gas monitoring and collection systems for its use as an energy source	Ongoing	NCC waste revenue budget	Waste	Tranche 2



<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Bioremediation: Use planting schemes to maximise the efficiency of methane breakdown in the landfill	Ongoing	NCC waste revenue budget	Waste	Tranche 2
Leachate treatment: Aim to implement on-site leachate treatment systems that reduce transport and energy use	Ongoing	NCC waste revenue budget	Waste	Tranche 2

## Focus area 4: Green Economy

### Green Skills

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Develop the retrofit provider network through engaging with installers and housing providers in retrofit objectives. This will work to the recommendations arising from the NCC-commissioned analysis of retrofit skills demand and builds on existing availability of Skills Bootcamp retrofit training provision	2024	Existing staff resource. Any funding needs will be subject to business case approval and budget or external funding identification	Growth and Investment	Tranche 2
Establish the Green Skills for Net Zero group, by working with industry stakeholders (offshore, electric vehicle, solar, housing, hydrogen) in methods to address skills demand. This will take forward recommendations from the NCC-commissioned skills analysis of net zero industries	2024	Existing staff resource. Any funding needs will be subject to business case approval and budget or external funding identification	Growth and Investment	Tranche 2
Partner with the Norfolk Chambers of Commerce to ensure our work aligns with the Local Skills Improvement Plan (LSIP) they are leading on	2023/2024	LSIP centrally funded	Growth and Investment	Tranche 2
Establish the feasibility of a Norfolk-based Retrofit Skills Academy through Norfolk Investment Framework pilot funding	2023/2024	Funded through Improving Norfolk Carbon Reduction and Energy Efficiency in Existing Stock (INCREES) project (NIF funding pot)	Growth and Investment	Tranche 2

## Green Apprenticeships

Action	Date	Funding	Owner	For NCC reference
Fulfil strategic aim 1 of the council's Apprenticeships Strategy in relation to the promotion of green apprenticeships. This includes marketing campaigns, website development and social media promotion, and a specific award for 'Contribution to Green Apprenticeships' within the Apprenticeships Norfolk Awards	2025	Core funding from NCC budget	Growth and Investment	Tranche 2
Fulfil strategic aim 2 of the Apprenticeships Strategy in relation to the promotion of green apprenticeships through conducting research to understand the awareness, demand and barriers for Green Apprenticeships from Norfolk businesses	2025	Core funding from NCC budget	Growth and Investment	Tranche 2
Fulfil strategic aim 3 of the Apprenticeships Strategy to support increase in the number of green apprenticeships starts in Norfolk. This includes working with local providers to develop effective pre-apprenticeship provision to prepare prospective apprentices for the work environment, and working with District Councils to develop funding proposals that support increased provision	2025	UK Shared Prosperity Fund via Broadland and South Norfolk District Councils	Growth and Investment	Tranche 2

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Fulfil strategic aim 5 of the Apprenticeships Strategy by developing the Apprenticeships Norfolk employer and provider networks. This includes facilitating peer support scheme for employers to share good practice and through funding the IEMA Foundation Certificate in Environmental Management to develop green apprenticeship delivery capacity across the county	2025	Institute of Environmental Management and Assessment (IEMA) was jointly funded by funded by Green Skills Analysis (growth and investment project fund) and the Tutor Workforce project (Norfolk Investment Fund)	Growth and Investment	Tranche 2

## Sustainable Tourism

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Support the partnership application to become a Visit England Local Visitor Economy Partnership (LVEP) underpinned by the ambition to become the UKs most sustainable tourist destination.	2024	NCC funding, District funding, Private Sector Investment	Environment	Tranche 2
Maintain, develop and implement solutions take Norfolk towards the ambition to become UK's most sustainable tourist destination (eg maintaining boardwalks, sustainable travel between key tourist destinations)	2024	NCC funding and external investment	Environment	Tranche 2
Maintain, develop and implement solutions to increase community and tourist engagement in local environmental action (eg Gressenhall Environment hub) and seek similar models at key locations in the county associated with landscape scale nature recovery projects	2024	NCC funding and external investment in major projects and programmes	Environment	Tranche 2

## Focus area 5: Climate adaptation

Action	Date	Funding	Owner	For NCC reference
Produce a strategic climate risk framework outlining key near and long-term risks relating to the council's functions and services, and our approach to managing each risk	2024	Existing staff resource	Procurement and Sustainability	Tranche 3
Engage with the Tyndall Centre for Climate Change Research based at the University of East Anglia on identifying joint external funding opportunities towards applying their data modelling expertise to better understand climate risks across Norfolk.  The Tyndall Centre is a world-renowned climate research institution who recently led the development of the first data model to assess climate risks and adaptation across the UK for biodiversity, agriculture, infrastructure and urban areas	2024	Exploring external funding opportunities	Procurement and Sustainability	Tranche 3
Support the development of the Norfolk Water Strategy Programme with core partners Anglian Water, the Nature Conservancy and Water Resources East. The Programme identifies ways to invest in nature-based solutions that can complement grey infrastructure to help secure Norfolk's long term water resilience. In 2024 they are launching a business case for a Water Fund to draw private investment for nature-based initiatives	2024	Existing staff resource	Growth and Investment	Tranche 3
Respond to upcoming consultations by Anglian Water and Cambridge Water on proposals for the Fens reservoir project, including plans to host a small surface level reservoir near Bexwell in Norfolk	2025	Existing staff resource	Growth and Investment	Tranche 3

# Focus Area 6: Nature Recovery

## Local Nature Recovery Strategy (LNRS)

Action	Date	Funding	Owner	For NCC reference
Produce, agree, and politically sign off the governance framework, working groups and steering group structure that will be adopted to deliver the LNRSs, agreeing terms of reference, roles, functions and sign off process	2023	DEFRA (LNRS)	Environment	Tranche 1
Review and refresh operation of the Norfolk and Suffolk Nature Recovery Partnership and its involvement in the LNRS process	2023	DEFRA (LNRS)	Environment	Tranche 1
Develop a Communication and Engagement plan to raise awareness and enable engagement with key stakeholders from all sectors needed for the delivery of the LNRS	2024	DEFRA (LNRS)	Environment	Tranche 1
Develop the Habitat and Opportunity Mapping for the LNRS	2025	DEFRA (LNRS)	Environment	Tranche 1
Develop the Statement of Biodiversity Priorities	2025	DEFRA (LNRS)	Environment	Tranche 1
Develop strategic relationships needed to facilitate the delivery of both small- and large-scale nature recovery projects	2025	DEFRA (LNRS)	Environment	Tranche 1

## Greenways to Greenspaces

Action	Date	Funding	Owner	For NCC reference
Increase the number and length of all-abilities routes connecting people and places by 10 routes and 100 kilometres by 2029 (p.78 of Norfolk Access Improvement Plan)	2029	Heritage Lottery Fund (HLF), Community Infrastructure Levy (CIL), Greater Norwich Growth Board Infrastructure Investment Fund	Environment	Tranche 1

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Identify new linear and circular walks opportunities from Norfolk Trails, the National Trail, Norfolk Coast Path and Public Rights of Way that link business, heritage and culture sites and improve connectivity with residential areas. This includes links with public transport and supporting applications for funding (p.77 of Norfolk Access Improvement Plan)	Ongoing	HLF, CIL, Greater Norwich Growth Board Infrastructure Investment Fund	Environment	Tranche 1
Use spatial planning to identify where gains for biodiversity (connectivity of habitats and landscapes) can be made associated with the access network (p.80 of Norfolk Access Improvement Plan)	Ongoing	CIL, Interreg European Union funding	Environment	Tranche 1
Increase the number of Roadside Nature Reserves from 111 to 300 and provide quality management to improve their status	2025	Existing staff resource	Environment	Tranche 1
Develop, sign-off and implement a new roadside verge management policy by the end of 2024	2024	Existing staff resource	Environment	Tranche 1
Establish 1 million new trees across the county through planting and natural regeneration by 2025	2025	Existing staff resource and external funding (Tree council, Forestry Commission (Local Authority Treescapes Fund/Urban Tree Challenge Fund); DEFRA (Trees outside woodland project)	Environment	Tranche 1

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
To connect communities, landowners and parishes with external schemes, provide expertise, and identify opportunities for council-led planting	Ongoing	Existing staff resource and Bussey; Sinclair; DEFRA (Trees Outside Woodland project) and forestry commission (Local Authority Treescaping Fund))	Environment	Tranche 1

### Protected Landscapes

<b>Action</b>	<b>Date</b>	<b>Funding</b>	<b>Owner</b>	<b>For NCC reference</b>
Work with partners to undertake the Landscape Recovery pilot scheme - 'Wilder, Wetter, Better for Wildlife'. This will work with land managers to increase the amount of land managed for nature in North Norfolk by 2,000 ha. This should ultimately create contiguous habitat for nature of at least 20,000 ha	2030	DEFRA	Environment	Tranche 1
Redesign protected area management plans which cover land and seascape following guidance from Natural England, providing a joined-up approach to planning and delivery	2025/2026	DEFRA (core grant) and Local Authority contributions (Norfolk County Council, North Norfolk District Council, Borough Council of King's Lynn & West Norfolk, and Great Yarmouth Borough Council)	Environment	Tranche 1