

Last Updated: May 14th 2024

Newcastle-under-Lyme Borough Council



Sustainable Environment Delivery Plan

This document will outline the actions needed to become a net zero Council by 2030, a net zero Borough by 2050, and a more biodiverse and engaged Borough. The decarbonisation actions below are all mapped by different scope emissions and all actions will include summary information, cost, staff or service leads, and a deadline. The actions will be updated by the Sustainable Environment Team bi-annually during their Working Group after the adoption by Cabinet to ensure the document stays fluid and relevant. This includes, but isn't limited to updating action progress or information and adding actions to different sections. For more detail on 2030 actions, please see [The Site Heat and Fleet Decarbonisation Background](#) documents. Please find the Sustainable Environment Strategy & Delivery Plan on our website here.

Aims & Objectives

The aim of the Sustainable Environment Strategy and Delivery Plan is to drive forward a sustainable society, economy and environment in Newcastle-under-Lyme Borough for the benefit of residents, businesses, visitors and the natural environment by 2050, focusing on the built environment and energy, travel and transport, natural environment and sequestration, and engagement and behaviour change.

The objectives listed below will drive the action needed to achieve the main aim of this strategy and delivery plan, Newcastle Borough Council will:

1. **Facilitate the development into a Net Zero Council by 2030** through the decarbonisation of the Council's built environment and fleet.

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2. **Facilitate the development into a Net Zero borough by 2050** through the decarbonisation of housing, businesses and transport.
3. **Promote the natural environment** in the borough to increase biodiversity, carbon sequestration, and storage.
4. **Develop a service-focused strategy and delivery plan** in the Council to engage Council staff and deliver service owned actions.
5. **Engage with residents, businesses and visitors** through online and physical communication networks to create sustainable behaviour change within the borough.

Governance

The governance and accountability of this strategy and plan will be dependent on the sustainable environment working groups that feed into and form the plan as well as a bi-annual review of the plan by Health, Wellbeing & Environment Scrutiny Committee and an annual review by Cabinet. Each service will have a sustainable environment working group to drive forward the actions in the delivery plan to ensure different services are responsible for the transition towards a more sustainable future in the borough. Upon a bi-annual review by the Scrutiny Committee, the strategy and plan will be updated with new information, action progress and other additions to ensure it is a live document and always relevant.

In total there are 9 working groups, each focused on different services in the Council. These are:

- Commercial Delivery
- Regulatory Services
- Neighbourhood Delivery
- Sustainable Environment
- IT & Digital
- Legal & Governance
- Strategy, People & Performance
- Planning

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These working groups will identify relevant actions from the main delivery and service plan for the working groups to progress and achieve in collaboration with relevant service leads and the Sustainable Environment Services. Once done these will be reported, with progress being updated in the main strategy and plan during the next occurring quarterly review. Working groups will meet monthly with a service lead working group that meets quarterly to ensure good communication between services and the implementation of actions by their deadline.

Progress Tracker	Cost Tracker
<p>Blue = Action Achieved & Ongoing Green = Action Achieved Yellow = Progress Underway Red = No Progress</p>	<p>£ = £0 - £10,000 ££ = £10,000 - £100,000 £££ = £100,000 - £1,000,000 ££££ = £1,000,000 - £10,000,000 £££££ = £10,000,000 - £100,000,000</p>

2030 Built Environment & Energy Delivery Plan

To ensure the Council are able to decarbonise their own built environment, the Council has set out a delivery plan for 2030 with actions assigned by a certain deadline, to different staff and services and finally with a summary of the action and its cost. This will allow an accountable process for the decarbonisation of the Council's built environment. See the relevant actions below for the Council to achieve a net zero built environment by 2030:

Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Scope 1 Emissions							

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BE301	To assign £7,396,287 of Council capital to the decarbonisation of flagship sites.	The amount needed to decarbonise flagship sites was generated by Faithful & Gould who reviewed these sites.	Finance & Sustainable Environment	£7,396,287 (££££)	February 2024	N/A	£7.4M of capital was adopted for decarbonisation in Council February 2024
BE302	To deliver the decarbonisation of all Council owned flagship sites.	The Flagship sites of the Council include: <ul style="list-style-type: none"> - Brampton Museum & Park - Bradwell Crematorium - Knutton Lane Depot - Jubilee 2 Leisure Centre - Newcastle Market Office - Castle House - Keele Cemetery See below for detailed summaries of each site.	Facilities Management, Regeneration & Sustainable Environment	£7,396,287 (££££)	December 2030	445 tCO2e	
BE303	To deliver the decarbonisation of Brampton Museum & Park.	Behaviour Change - £178 Fabric Upgrades (Roof & Glazing) - £395,518	Facilities Management, Regeneration &	£622,514 (£££)	2030	14 tCO2e	

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		LED Lighting - £17,056 Heating & DHW Install - £143,324 BMS/Controls Upgrade - £63,688 Vent Upgrade - £3,750	Sustainable Environment				
BE304	To deliver the decarbonisation of Bradwell Crematorium.	Behaviour Change - £626 Fabric Upgrades (Wall & Roof) - £283,633 LED Lighting - £32,755 Heating & DHW Install - £211,564 PV Install - £36,700 BMS/Controls Upgrade - £52,632 Vent Upgrade - £7,500 Due to the lack of current electrified technology to replace the two furnaces in the Crematorium, this action be left until the technology is developed. Until	Facilities Management, Regeneration & Sustainable Environment	£625,411 (£££)	January 2026	31 tCO2e	

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		then the emissions from their operations will be offset.					
BE305	To deliver the decarbonisation of Knutton Lane Depot.	Behaviour Change - £632 Fabric Upgrades (Wall, Roof, Glazing) - £1,420,936 LED Lighting - £44,664 Heating & DHW Install - £525,920 PV Install - £42,000 BMS/Controls Upgrade - £129,410 Vent Upgrade - £3,000	Facilities Management, Regeneration & Sustainable Environment	£2,166,561 (££££)	January 2027	96 tCO2e	Works to electrify and decarbonise the Depot are underway through a partnership with the County and UK Power Networks Services.
BE306	To deliver the decarbonisation of Jubilee 2 Leisure Centre.	Behaviour Change - £1,786 LED Lighting - £119,392 Heating & DHW Install - £3,438,300 PV Install - £280,000 BMS/Controls Upgrade - £106,600 Cooling Upgrade - £170,000 Vent Upgrade - £10,000	Facilities Management, Regeneration & Sustainable Environment	£4,126,078 (££££)	January 2029	280 tCO2e	
BE307	To deliver the decarbonisation	The Market Office is a small office in	Facilities Management,	£10,835 (££)	August 2024	1 tCO2e	The market Office has been

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	of Newcastle Market Office.	<p>Town used for the markets staff. However the site is now only being used as a warehouse. Facilities are being removed except for lighting. However full installations are being left in in case of capacity change.</p> <p>Behaviour Change - £10 Fabric Upgrades (Roof) - £1,335 LED Lighting - £971 Heating & DHW Install - £4,335 PV Install - £2,310 BMS/Controls Upgrade - £607 Vent Upgrade - £750</p>	Regeneration & Sustainable Environment				transitioned into a warehouse for the markets and will no longer need certain interventions.
BE308	To deliver the decarbonisation of Castle House.	Castle House is owned by Staffordshire County Council however houses the corporate offices of NBC. The building requires mostly behaviour change	Facilities Management, Regeneration & Sustainable Environment	£57,017 (££)	August 2024	14 tCO2e	Upon discussing the subject of PV Solar on Castle House the County Council have already undertaken consultation and

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		<p>action however does need some LED install and PV.</p> <p>Behaviour Change - £1,465 LED Lighting - £5,952 PV Install - £49,600</p>					<p>the roof structure available for PV is not strong enough for additional solar installations, meaning PV install should be excluded from this action.</p>
BE309	To deliver the decarbonisation of Keele Cemetery.	<p>Behaviour Change - £172 LED Lighting - £13,720 PV Install - £33,400 BMS/Controls Upgrade - £20,580</p>	Facilities Management, Regeneration & Sustainable Environment	£67,872 (££)	January 2026	9 tCO2e	
BE3010	To facilitate a consultation on the decarbonisation of remaining Council owned sites in the borough.	This will identify if this is achievable by 2030, the cost, and necessary interventions of decarbonising all Council owned sites such as leased and rented spaces.	Facilities Management, Regeneration & Sustainable Environment	£££	December 2030	To be identified through consultation	
Scope 2 Emissions							
BE3011	To power the energy demand of the Council's built	To achieve this action the Council must ensure their supplier of electricity	Facilities Management &	££	August 2024	N/A	The Council's built environment is completely

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	environment on 100% clean/renewable electricity	generates electricity solely from renewable energy.	Sustainable Environment				powered by clean electricity.
Scope 3 Emissions							
BE3012	To ensure all contractors and resources used in decarbonising the Council's built environment are net zero and ethical or have plans in place to be so by 2030.	All transmission and distribution the Council partakes in must be or planning to be ethical and sustainable to ensure the organisations scope 3 emissions from external activities become decarbonised.	Procurement, Facilities Management, Regeneration & Sustainable Environment	£££	April 2026	N/A	This action will directly relate to the introduction of a sustainable procurement plan.

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To learn more about the energy savings and time it takes for these energy efficiency measure to pay themselves back for the consulted flagship sites please consult the table below created through the Site Heat Decarbonisation Roadmap:

Table 20.

Payback periods for each intervention (2030 payback)

Cost of Install			
Site	Cost of Install	Annual Energy Spend Saving (today's rates)	Payback (yrs.)
Behaviour Change	£5,455	£36,369	0.2
Fabric Upgrades	£3,099,491	£28,557	108.5
LED Install	£303,383	£31,085	9.8
PV Install	£191,310	£50,410	3.8
BMS Upgrade	£520,307	£38,005	13.7
Chiller Upgrade	£175,000	£6,754	25.9
Vent Upgrade	£34,000	£11,129	3.1

Simple Payback means the number of years after which an investment has paid for itself. Table 20 shows the payback periods for each intervention using today's rates, which have been predicted through a Simple Payback calculation. This is calculated by dividing the initial cost of the retrofit by the energy savings per year. Typically, interventions with the shortest paybacks are assumed to be the most cost effective. The current cost of intervention for Heating and DHW will cause an increase in energy costs rather than savings and hence has been excluded from the payback calculations. As highlighted above, focus should be initially targeted at interventions with the shortest payback period. The emergence of new systems and technologies could offer better alternatives for heating system replacements.

2030 Fleet Delivery Plan

To ensure the Council are able to decarbonise their own fleet, the Council will have set out a delivery plan for 2030 with actions assigned by a certain deadline, to different staff and services and finally with a summary of the action and it's cost. This will allow an accountable process for the decarbonisation of the Council's fleet. The full transition and timeline of actions is located in the Council's Fleet Replacement Matrix. See the relevant actions below for the Council to achieve a net zero fleet by 2030:

Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Scope 1 Emissions							
F301	To assign £10.76M of Council capital to the decarbonisation of the Council's fleet.	The amount needed to decarbonise the fleet was generated by Evenergi who reviewed these sites.	Finance & Sustainable Environment	£10.76M (££££)	February 2024	N/A	£10.76M of capital was adopted for decarbonisation in Fleet Transition Plan 2024
F302	To deliver the decarbonisation of all Council owned vehicles and equipment through the fleet transition plan.	The fleet of the Council include: <ul style="list-style-type: none"> - 67 light and heavy vehicles (vans, street cleaners, etc.) - 21 assets (tractors, mowers, etc.) 	Facilities Management, Regeneration & Sustainable Environment	£10.76M (££££)	December 2030	590 tCO2e	Work to electrify and decarbonise the fleet has begun with 7 new operational electric vans replacing fossil fuelled vehicles and the trailing of electric bin lifts for

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		This will follow the fleet transition plan.					collections vehicles. As a transitional fuel the Councils is using Hydrotreated Vegetable Oil (HVO) to reduce fleet emissions until vehicles are electrified, especially heavy commercial vehicles.
Scope 2 Emissions							
F303	To power the energy demand of the Council's fleet on 100% clean/renewable electricity	To achieve this action the Council must ensure their supplier of electricity generates electricity solely from renewable energy and must completely remove the use of fossil fuels.	Facilities Management & Sustainable Environment	££	August 2024	N/A	The Council's EV fleet is completely powered by clean electricity.
Scope 3 Emissions							
F304	To ensure all contractors and resources used in decarbonising	All transmission and distribution the Council partakes in must be or planning	Procurement, Facilities Management, Regeneration	£££	April 2026	N/A	This action will directly relate to the introduction of a sustainable

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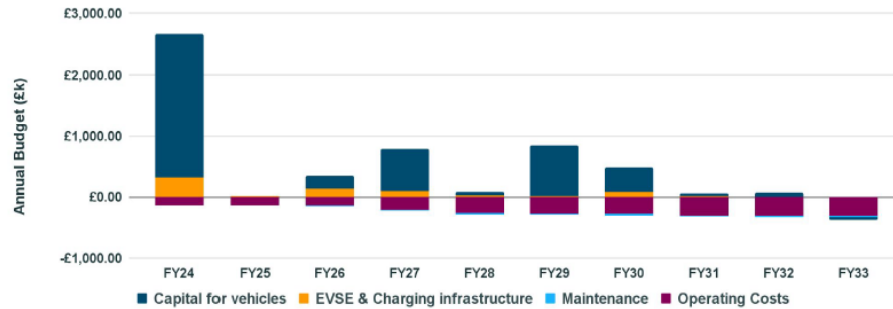
	the Council's fleet are net zero and ethical or have plans in place to be so by 2030.	to be ethical and sustainable to ensure the organisations scope 3 emissions from external activities become decarbonised.	& Sustainable Environment				procurement plan.
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For the specific actions for transitioning vehicles in the Council's fleet please consult the timeline of actions from Everergi which are located below. These actions are also in the Council's Fleet Replacement Matrix:

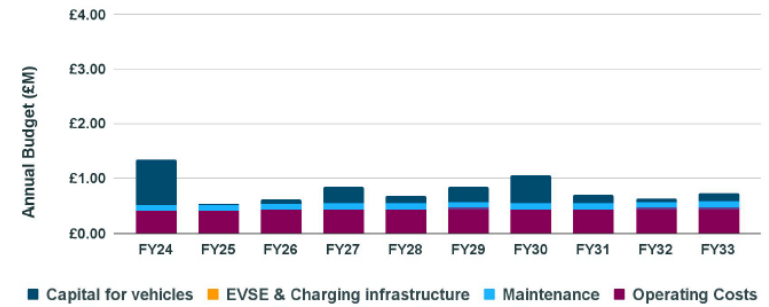
Scenario Analysis - Leadership transition FY 24 to FY33

The leadership scenario requires £2.86M extra over the period to FY33. Higher upfront vehicle purchases and the need to deploy infrastructure are only partially offset by operating and maintenance savings during the period to FY33.

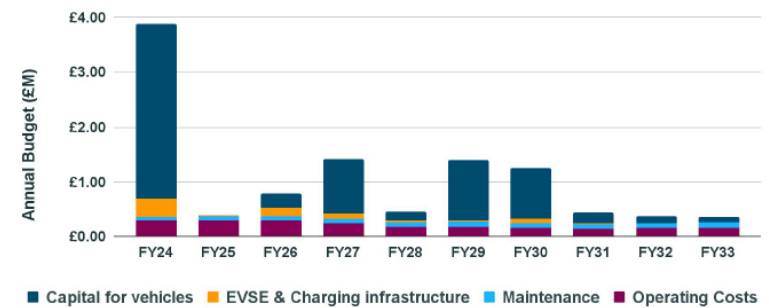
YEAR ON YEAR COST DIFFERENCE COMPARED TO BAU



BUSINESS AS USUAL



LEADERSHIP TRANSITION



Overall financial summary NPV 2023 to 2032

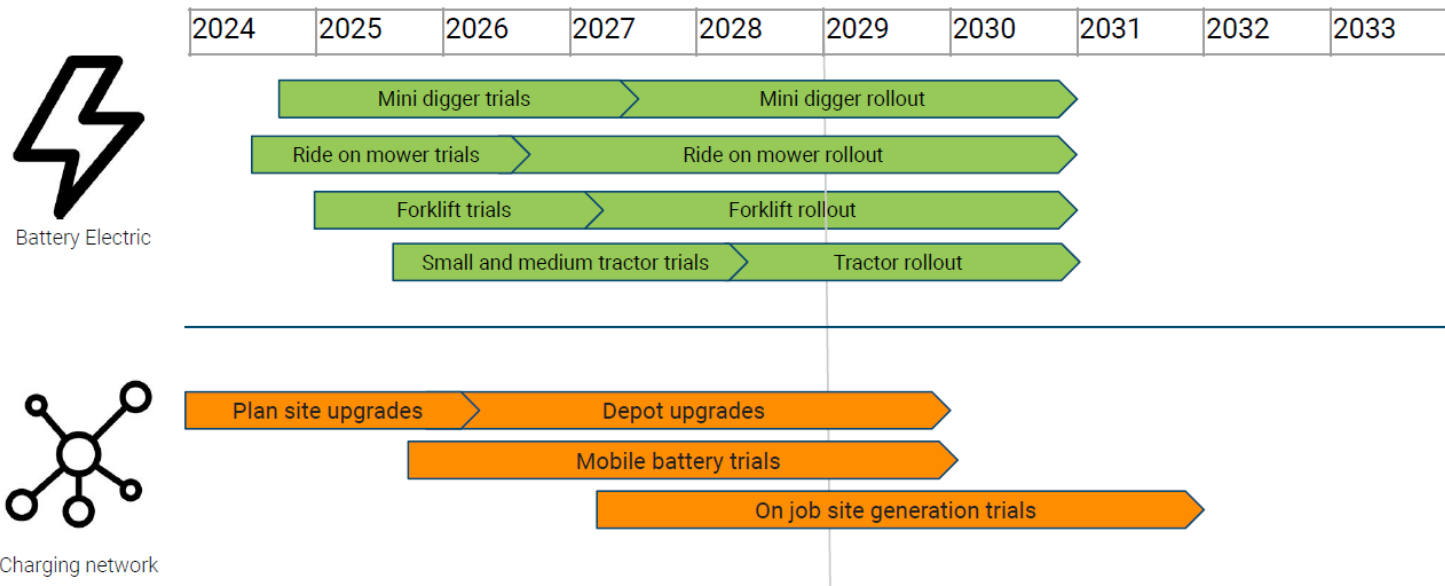
Capital costs	BAU (£M)	Leadership transition (£M)	Difference
Vehicle operating costs	£4.41	£2.08	£2.34 M savings
Vehicle maintenance	£1.00	£0.84	£0.15 M savings
Vehicle capital expenses	£2.49	£7.11	£4.62 M additional
EVSE & charging capital expenses	£0	£0.73	£0.73 M additional
Total	~£7.90	~£10.76	~£2.86 M additional

Commercial in Confidence

Next steps to transition plant and equipment

A staged approach to the transition is recommended for NULBC focusing current fit-for-purpose market availability and total cost of ownership suitability. Periodic reevaluation will be required to update the plan.

The NULBC plat equipment fleet of 21 vehicles currently show low utilisation which typically does not show an optimal transition scenario from a total cost of ownership perspective. Below is an indicative suggested timeline for replacing NULBC plant equipment vehicles, starting with Ride on Mowers.



2050 Built Environment & Energy Delivery Plan

To ensure the energy efficiency and emissions reduction of the entire borough, the Council plan to create a net zero borough by 2050. This includes our built environment and energy which will need to have extensive decarbonisation efforts to be completed. Below are some of the actions the Council and borough need to take today to begin our journey towards a net zero built environment and energy system by 2050.

Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Scope 1 Emissions							
BE501	To develop and achieve a net zero built environment and energy system in Newcastle-under-Lyme borough by 2050.	This includes the borough's agriculture, housing, industry, commercial, energy, waste and infrastructure sectors.	Sustainable Environment, Regeneration & Planning	To be identified through consultation	To be identified through consultation	To be identified through consultation	
BE502	Assign appropriate capital and external funding for remaining Council owned sites and emissions.	Upon consultation the Council will be able to identify the entire cost of decarbonising all Council owned site assets.	Finance & Sustainable Environment	£££££	January 2026	N/A	
BE503	Decarbonise remaining	This includes all offices, owned	Facilities Management,	£££££	December 2030	N/A	The Philip Astley Centre

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	Council owned sites in the borough according to the flagship sites	buildings, business rented spaces however not leased spaces, and these are the responsibility of the organisation residing.	Regeneration & Sustainable Environment				has been decarbonised.
BE504	To develop a consultation on the borough's housing stock to develop actions for 2050.	This consultation on the borough's housing stock will help identify actions for a net zero housing sector through identifying its carbon footprint, what actions need priority and what interventions need to be implemented.	Sustainable Environment, Regeneration & Planning	To be identified through consultation	To be identified through consultation	To be identified through consultation	
BE505	To partner with Aspire Housing to decarbonise all social housing in the borough.	To partner and support Aspire Housing in decarbonising their social housing stock to ensure social housing is net zero and more affordable for residents.	Sustainable Environment, Regeneration & Planning	To be identified through consultation	To be identified through consultation	To be identified through consultation	36 social housing developments have been decarbonised to date.

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BE506	To partner with Staffordshire Business & Environment Network (SBEN) to begin decarbonisation schemes for local businesses and industry.	To partner and support SBEN in a scheme to help decarbonise businesses and industry through funding and advice.	Sustainable Environment, Regeneration & Planning	To be identified through consultation	To be identified through consultation	To be identified through consultation	
BE507	To develop a consultation on the borough's industrial & commercial stock to develop actions for 2050.	This consultation on the borough's business and industry stock will help identify actions for a net zero economic sector through identifying its carbon footprint, what actions need priority and what interventions need to be implemented.	Sustainable Environment, Regeneration & Planning	To be identified through consultation	To be identified through consultation	To be identified through consultation	
BE508	To create and implement a waste reduction strategy.	By implementing a comprehensive waste reductions strategy the Council will be able to reduce waste and	Sustainable Environment & Collections	To be identified through consultation	To be identified through consultation	To be identified through consultation	

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		increase recycling, with the end goal to develop a circular economy in Newcastle-under-Lyme borough.					
BE509	To identify and implement areas for renewable energy generation.	By developing more sites of renewable energy generation in the borough the borough will not need to source it from elsewhere.	Sustainable Environment, Regeneration & Leadership	To be identified through consultation	To be identified through consultation	To be identified through consultation	
BE5010	To develop the Keele Sustainable Solar Energy Park	To develop a solar energy generation park on a site allocated next to Keele Cemetery and operate it until the area is needed for burials.	Sustainable Environment, Planning & Leadership	To be identified through consultation	2030	To be identified through consultation	Resolved to produce a detailed feasibility study and business case for the site. Resolved to submit a planning application and further report progress.
BE5011	To partner with and help advise Capital & Centric	Capital & Centric are redeveloping multiple sites and	Sustainable Environment	To be identified	To be identified	To be identified	A meeting between the Council and

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	in developing more sustainable and net zero sites at the Midway, Ryecroft and York Place.	we need to make sure they are as sustainable as possible.	& Regeneration	through consultation	through consultation	through consultation	C&C will be held soon.
Scope 2 Emissions							
BE5012	To power the energy demand of the borough's built environment on 100% clean/renewable energy/electricity.	To achieve this action the Council must ensure their supplier and any suppliers of the built environment in the borough generates electricity solely from renewable energy and must completely remove the use of fossil fuels.	Facilities Management & Sustainable Environment	To be identified through consultation	2050	To be identified through consultation	
Scope 3 Emissions							
BE5013	To ensure all contractors and resources used in decarbonising the borough's built environment are net zero and ethical or have plans in place to be so by 2050.	All transmission and distribution the borough partakes in must be or planning to be ethical and sustainable to ensure that scope 3 emissions from external activities	Procurement, Facilities Management, Regeneration & Sustainable Environment	To be identified through consultation	April 2026	To be identified through consultation	This action will directly relate to the introduction of a sustainable procurement plan.

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		become decarbonised. This includes the transmission and distribution of products for the built environment and energy.					
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2050 Travel & Transport Delivery Plan

To ensure the energy efficiency and emissions reduction of the entire borough the Council plan to create a net zero borough by 2050. This includes our travel and transport systems which will have to have extensive decarbonisation efforts to be completed. Below are some of the actions the Council and borough need to take to begin our journey towards a net zero travel and transport system by 2050.

Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Scope 1 Emissions							
TT501	To decarbonise all in-boundary travel and transportation.	This includes the decarbonisation of all public transport, personal transport,	Sustainable Environment & Regeneration	To be identified through consultation	To be identified through consultation	To be identified through consultation	

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		business transport and privately owned equipment/assets such as mowers when they are end-of-life. Decarbonisation of transport and travel may involve transitioning to electrification, hydrogen and other renewable energies.					
TT502	To develop a consultation on the borough's transportation stock to develop actions for 2050.	This consultation on the borough's transportation stock will help identify actions for a net zero transport sector through identifying its carbon footprint, what actions need priority and what interventions need to be implemented.	Sustainable Environment & Regeneration	To be identified through consultation	To be identified through consultation	To be identified through consultation	
TT503	To develop a consultation on the borough's active travel infrastructure to	This consultation on the borough's active travel infrastructure will help identify actions	Sustainable Environment & Regeneration	To be identified through consultation	To be identified through consultation	To be identified through consultation	

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	develop actions for 2050.	for a net zero transportation sector through identifying its carbon footprint, what actions need priority and what interventions need to be implemented.					
TT504	Decarbonise all taxi vehicles in the borough according to the Staffordshire County Taxi Decarbonisation Strategy.	Staffordshire County Council are leading an effort and strategy to decarbonise the taxi sector in Staffordshire. The Council will adhere to the aims and objectives of this strategy and work towards full decarbonisation of our taxis.	Licensing & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	The Council is currently working with the Council Council to develop the Taxi Decarbonisation Strategy.
TT505	To develop the borough's active travel routes so all residents have access to be able to actively travel.	This action ensures that all residents in the borough are able to actively travel from their homes, businesses and other areas of the borough to reduce the use of	Sustainable Environment & Regeneration	To be identified through consultation	To be identified through consultation	To be identified through consultation	Through the UK Shared Prosperity Fund the Council have developed areas of the borough to be more accessible for

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		vehicle travel and therefore reduce emissions.					those actively travelling.
Scope 2 Emissions							
TT506	To power the energy demand of the borough's travel and transport systems on 100% clean/renewable electricity.	To achieve this action the Council must ensure their supplier and any suppliers of the built environment in the borough generates electricity solely from renewable energy and must completely remove the use of fossil fuels.	Facilities Management & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	
Scope 3 Emissions							
TT507	To ensure all contractors and resources used in decarbonising the borough's transportation are net zero and ethical or have plans in place to be so by 2050.	All transmission and distribution the borough partakes in must be or planning to be ethical and sustainable to ensure that scope 3 emissions from external activities become decarbonised. This includes the transmission and	Procurement, Facilities Management, Regeneration & Sustainable Environment	To be identified through consultation	April 2026	To be identified through consultation	This action will directly relate to the introduction of a sustainable procurement plan.

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		distribution of products for the transport and travel sector.					
TT508	To partner with the County Council to ensure that all out-of-boundary transportation into the borough is decarbonised or working towards decarbonisation.	Transportation that travels into and out of the borough that has not originated from the borough is considered out-of-boundary and contributes to our overall emissions as they produce greenhouse gases in the borough. To ensure these do not increase our overall footprint all transport coming into the borough must be decarbonised or working towards decarbonisation. This includes out-of-bounds shipping, aviation, public transport and private vehicles.	Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	
TT509	To develop a consultation on	This consultation on the borough's out-	Sustainable Environment	To be identified	To be identified	To be identified	

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	the borough's out-of-boundary transportation stock to develop actions for 2050.	of-boundary travel and transportation stock will help identify actions for a net zero transport sector through identifying its carbon footprint, what actions need priority and what interventions need to be implemented.		through consultation	through consultation	through consultation	
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Natural Environment & Sequestration Delivery Plan

To ensure the borough is resilient against climate, storing carbon, beautiful and biodiverse we must focus on the promotion of the natural environment. Our natural environment keeps the borough healthy and stable. Without it, pollution would be worse, food systems would be unable to produce and we wouldn't be able to enjoy great natural spaces that support our wellbeing. This delivery plan focuses on the natural environment and sequestering carbon to help create a net zero borough by 2050 and keep our borough safe and healthy.

Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
NS1	To develop Newcastle-under-Lyme Borough into a	By creating a biodiverse and resilient borough there are a	Streetscene, Planning, Landscaping &	To be identified through consultation	2050	To be identified through consultation	

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	natural rich area that is biodiverse and resilient.	relative amount of social, economic and environmental positive impacts that are seen.	Sustainable Environment				
NS2	To develop and adopt a long-term forestry and tree management plan for Council owned resources.	This strategy would aim to develop more woodlands in the borough and ensure their quality support and survival.	Streetscene, Planning, Landscaping & Sustainable Environment	To be identified through consultation	2026	To be identified through consultation	A tree risk management plan and biodiversity plan has been adopted which will need to be embedded in a long-term plan.
NS3	To decarbonise the borough's land use operations.	The land use operations in the borough contribute significantly to our emissions - through the release of carbon from the soil and natural resources when constructed on - and should be decarbonised to reduce emissions and protect biodiversity by 2050.	Streetscene, Planning, Landscaping & Sustainable Environment	To be identified through consultation	2050	To be identified through consultation	

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NS4	To develop a consultation on the borough's land use to develop actions for 2050.	Upon consultation the Council can then decide what actions best decarbonise our current land use operations.	Streetscene, Planning, Landscaping & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	
NS5	To partner with the County-wide Local Nature Recovery Strategy and deliver their objectives.	By adhering to the County's LNRS actions and strategy the Council can embed those actions in this plan and enact them.	Streetscene, Planning, Landscaping & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	The Council is awaiting an update from the Staffordshire LNRS group regarding their strategy and related actions.
NS6	To work with the County Council, District Councils and the Midlands Net Zero Hub (MNZH) to commission the creation of a carbon sequestration and storage tool for natural resources.	This tool, once developed by a consultant would be used to generate the amount of carbon different natural resources sequester and store.	Sustainable Environment	To be identified through consultation	2026	To be identified through consultation	Consultants are currently being chosen for the development of this action.
NS7	To partner with Staffordshire Wildlife Trust	This action is to ensure all action relating to the	Planning	To be identified	2024 - ongoing	To be identified	

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	and other natural environment experts in Staffordshire to deliver this plan.	natural environment is well informed and is backed by local experts.		through consultation		through consultation	
NS8	To partner with the County Council to ensure out-of-boundary waste and wastewater is contained to outside the borough or treated upon entry.	Out-of-boundary waste such as fly-tipping from other districts or waste water from sewage or industry can negatively impact the natural environment significantly.	Procurement & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	
NS9	To adopt a Grassland Management Strategy	This action will promote the development of more long meadows in green spaces in the borough to increase biodiversity and sequestration.	Sustainable Environment & Streetscene	No associated cost The Council aims to reinvest savings from reduced mowing into high priority land	April 2024	Sequestration of developed grasslands will be mapped once a tool is available and consulted on.	A Grassland Management Strategy has been adopted by Cabinet April 2024. The Strategy will be implemented through 3 phases detailed here Agenda for Cabinet on Tuesday, 23rd

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				management jobs.			April 2024, 2.00 pm – Newcastle-under-Lyme Borough Council (newcastle-staffs.gov.uk).
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Engagement & Behaviour Change Delivery Plan

To ensure all actions are well informed and to ensure we involved yourselves, one of our biggest priorities is engagement and behaviour change. This ensures that all actions taken throughout the timeline of this plan are well informed by expert organisations and the public so they reflect best practice and what you want. As a Council we will also aim to raise awareness around these issues and engage members of the public in different campaigns, projects and initiatives to create sustainable behaviour change and implement sustainable solutions in our borough’s homes, businesses and environment by 2050.

Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
EB1	To create and publish social media networks for the environment and	By creating social media for the Council focused on sustainability, the Council can communicate better with the public and raise awareness.	Sustainable Environment & Media	No Associated Cost	June 2024	To be identified through consultation	Social media networks are created and are just waiting to be published with the SESDP

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	sustainability for the Council.						
EB2	To create and publish a new webpage for the environment and sustainability for the Council.	By creating new webpages for the Council focused on sustainability, the Council can communicate better with the public and raise awareness.	Sustainable Environment & Digital	No Associated Cost	June 2024	To be identified through consultation	Webpages are created and are just waiting to be published with the SESDP
EB3	To consult the public and relevant Council staff with all upcoming strategies and plans.	By consulting the public on upcoming strategies and plans going through member approval through online and in person venues those documents can be well informed and cater to the public.	Sustainable Environment	To be identified through consultation	June 2024 - Ongoing	To be identified through consultation	Work with staff has begun with the implementation of monthly Sustainable Environment Working Groups for each service. The public will be given a quarterly opportunity in People's Assemblies to feedback on the Strategy and Plan (EB5).
EB4	To campaign online and in person on	This includes events such as litter picks or campaigns that	Sustainable Environment	To be identified	June 2024 - Ongoing	To be identified	Spend Less, Save More was a campaign run

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	various subjects in the SESDP to raise awareness and facilitate action with local communities.	occur in town to inform the public about new funding available for them or how to reduce energy bills by becoming more energy efficient.		through consultation		through consultation	to raise awareness about energy efficiency and saving money on bills that engaged more than 100 residents and gave away free guidance and LEDs.
EB5	Create a quarterly sustainability people's assembly for public consultation of the SESDP.	The quarterly sustainability peoples' assembly for Newcastle-under-Lyme will occur in accessible locations and will be free to join by all residents. It will act to receive feedback from residents from the last quarter and will aid in developing the SESDP to benefit all.	Sustainable Environment	To be identified through consultation	June 2024 - Ongoing	To be identified through consultation	
EB6	Consult local businesses on actions for the commercial sector to	To consult local businesses how the Council can better serve them through sustainable	Sustainable Environment	To be identified through consultation	2025	To be identified through consultation	At the Connects Meeting on the 10 th of June 2024 attending local businesses

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	become net zero and promote the natural environment.	initiatives to help achieve a net zero and naturally diverse borough by 2050.					will be asked what the Council can help develop for our shared 2050 goals.
EB7	Consult local residents and housing associations on actions for the commercial sector to become net zero and promote the natural environment.	To consult local residents and housing associations on how the Council can better serve them through sustainable initiatives to help achieve a net zero and naturally diverse borough by 2050.	Sustainable Environment	To be identified through consultation	2025	To be identified through consultation	
EB8	To help support the creation of a UK Business Climate Hub in the County, through partnering with Staffordshire County, Chambers and district Councils to support	UK Finance has published a report covering the challenges smaller businesses are facing in the transition to a net zero economy. Small and medium-sized businesses are responsible for around half of UK greenhouse gas emissions. The	Regeneration, Economic & Development, & Sustainable Environment	To be identified through consultation	2030	To be identified through consultation	

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	businesses with becoming net zero.	report includes recommendations to overcome the challenges, such as relaunching the UK Business Climate Hub and issuing businesses with Help to Green vouchers.					
EB9	To facilitate an EV and Net Zero Workshop Event for residents and businesses to support their fleet and site net zero transition.	This includes working with key stakeholders and organisations, the County and District Councils, and EV Companies all together at one event for the benefit of residents and businesses.	Staffordshire Chambers of Commerce, Staffordshire County & District authorities, & Sustainable Environment	To be identified through consultation	2026	To be identified through consultation	Attended a similar event in Cheshire West/Chester Authority to mirror in Newcastle/Staffordshire

Service Delivery Plan

Rather than being separated by scopes, each service delivery plan will be divided by the teams that are present within different services to show clear ownership of different actions. Each different service has their own focused actions which may or may not directly link in with the 6 main delivery plans.

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Grey = for service level delivery, see main delivery plan

Commercial Delivery Service Delivery Plan							
Commercial Services seeks to deliver services where there is a commercial aspect and deliver improvements through major regeneration schemes. The service includes the regeneration, property services including commercial lease and community uses, Bereavement services which is Bradwell Crematorium and cemeteries, plus J2 leisure services.							
Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Regeneration & Facilities Management							
CDRF1	To deliver the relevant built environment and energy 2030 Net Zero Delivery Plan actions for flagship buildings.	Details are located in the 2030 Built Environment & Energy Delivery Plan.	Regeneration & Facilities Management				
CDRF2	To facilitate the creation of an energy manager post.	This role would focus on the energy generation and management of the Council's estate and borough. For the time being this role will sit	Regeneration, Facilities Management & Sustainable Environment	££	2030	To be identified through consultation	

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		with Regeneration and FM.						
Property								
CDP1	To deliver the relevant built environment and energy 2030 and 2050 Net Zero Delivery Plan for Council property buildings.	Details are located in the 2030 and 2050 Built Environment & Energy Delivery Plan.	Regeneration, Facilities Management & Property					
Leisure & Bereavement								
CDLB1	To deliver a staff and customer behaviour change study with Keele University.	This will allow for the Council to know more about how to inform staff about sustainable initiatives and changing their behaviours.	Leisure & Bereavement	No Associated Cost	August 2025	To be identified through consultation	Currently underway with Keele to facilitate interviews for staff.	
CDLB2	To support with the 2030 Net Zero Delivery Plan for Bradwell Crematorium and Jubilee 2 Leisure Centre.	Details are located in the 2030 Built Environment & Energy Delivery Plan.						

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CDLB3	To implement a Deep Green database heat generation system in Jubilee 2's Pool Facilities.	This will allow for the pool facilities at J2 to be powered by a renewable source instead of fossil fuel. Deep Green will cover all implementation, feasibility study and energy costs, if our application is successful.	Leisure	No Associated Cost £80k in annual savings	2026	125 tCO2e in annual carbon savings	Currently submitting application Host a Deep Green Data Centre: Empower Your Community with Free Heat
CDLB4	To support with the 2050 Natural Environment & Sequestration Delivery Plan through biodiverse developments at Bradwell Crematorium, Cemeteries & Closed Churchyards.	Details are located in the 2050 Natural Environment & Sequestration Delivery Plan.					
Museum							
CDM1	To support with the 2030 Net Zero Delivery Plan for Brampton	Details are located in the 2030 Built Environment & Energy Delivery Plan.					

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	Museum and Art Gallery.						
CDM2	To introduce a sustainability related activity annually at the Museum.	This will help introduce sustainability to visitors and residents to support sustainable behaviour change and awareness.	Museum	To be identified through consultation	To be identified through consultation	To be identified through consultation	
CDM3	To install active travel infrastructure such as a bike rack.	This will encourage more visitor and staff to actively travel to the Brampton.	Museum	To be identified through consultation	To be identified through consultation	To be identified through consultation	
CDM4	To facilitate the continued perseveration of the Brampton's Pond.	This area is important for its biodiversity, community outreach potential and due to its protection of the Great crested Newt Species.	Museum, Community & Streetscene	To be identified through consultation	June 2024 - Ongoing	To be identified through consultation	

Regulatory Service Delivery Plan

Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Housing							

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RGH1	To support the delivery of the decarbonisation of the borough's and Aspire's housing stock in the 2050 Net Zero Delivery Plan.	Details are located in the 2050 Built Environment & Energy Delivery Plan.	Housing & Sustainable Environment				
RGH2	To support the creation of digital powerplants on the boroughs housing stock.	Details are located in the 2050 Built Environment & Energy Delivery Plan on energy generation action BE509.	Housing & Sustainable Environment				
Environmental Health							
RGEH1	To develop an air pollution measuring strategy for the borough.	This will allow the Council to map the borough's emissions value, identify areas of high air pollution and develop actions based off of that.	Environmental Health & Sustainable Environment	To be identified through consultation	2026	To be identified through consultation	Currently working towards funding multiple air pollution meters.
Licensing							
RGL1	To undertake the taxi Decarbonisation action in the 2050 Built Environment	This follows the County's strategy and will be implemented into this strategy and delivery plan.	Licensing & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	Awaiting strategic oversight from the County Council.

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	and Energy Delivery Plan.						
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Neighbourhood Delivery Service Delivery Plan							
Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Customer Hub							
NDCH1	To raise awareness of sustainable initiatives to customers.	By being trained on the SESDP and knowing about different initiatives when engaging with customers, staff can make them aware about different opportunities.	Customer Hub & Sustainable Environment	To be identified through consultation	2025	To be identified through consultation	
Landscape & Community							
NDLC1	Conduct monthly sustainability community outreach events.	Ensuring that our teams are out engaging the public in sustainability through events, activities and more!	Community & Sustainable Environment	To be identified through consultation	2024 - Ongoing	To be identified through consultation	Currently the Community Team lead weekly events with schools and organisations

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							such as litter picks and gardening sessions. Currently the Sustainable Environment Team lead school visits and awareness stalls about sustainability and waste.
NDLC2	To increase the amount and diversity of tree planting in the borough.	By using expertise from internal staff and external organisations the Council can plant more diverse tree species which can help local biodiversity and increase growth and carbon capture.	Landscaping & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	The Council grows a variety of different tree species and have started to diversify singular site plantations.
Mobile Multi-Functional (MMF)							
NDMMF1	Conduct environmental law outreach campaigns to raise local awareness.	By facilitating more outreach through events and communications with the public one environmental law we can raise awareness on	MMFT	To be identified through consultation	To be identified through consultation	To be identified through consultation	

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		how people can promote the environment instead do harm which can also reduce enforcement of these laws.					
NDMMF2	To support the delivery of the decarbonisation of the Council's fleet by 2030 by decarbonising the vehicles used by MMFT.	Of the entire fleet MMFT use 6 vans to undertake their operations. More detail is located in the 2030 fleet decarbonisation delivery plan.	MMFT & Sustainable Environment				The MMFT have had 5 out of 6 vehicles in their fleet electrified. The 6th vehicle is a diesel van used for the dog warden which will be transitioned once there is adequate and up to specification electric dog warden van vans available on the market.

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Sustainable Environment Service Delivery Plan							
Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Recycling & Waste							
SERW1	Support the delivery of the 2030 Fleet Decarbonisation Delivery Plan for 2030 for Collections vehicles.	More detail is located in the 2030 Fleet Decarbonisation Delivery Plan.	Recycling & Waste				
SERW2	To create and implement a waste reduction strategy.	By creating a waste reduction strategy, the Council can decrease emissions and increase recycling rates.	Recycling & Waste	To be identified through consultation	2025	To be identified through consultation	
Sustainable Environment							
SE1	Report the Council's and borough's carbon emissions, annually.	This allows the Council to be transparent about its emissions and develop actions to reduce significant areas of emissions through data analysis.	Sustainable Environment	No associated cost	June 2024 - Ongoing	Carbon saved from this action will be delivered through the actions that come from	

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						annual reports.	
SE2	Facilitate the development of the Sustainable Environment Strategy and Delivery Plan.	The service will be responsible for ensuring the development and facilitation of the SESDP until 2050.	Sustainable Environment	To be identified through consultation	June 2024 - Ongoing	To be identified through consultation	
SE3	Facilitate the development of the Sustainable Environment Working Groups.	The service will be responsible for ensuring the development and facilitation of the Sustainable Environment Working Groups until 2050.	Sustainable Environment	No associated cost	June 2024 - Ongoing	To be identified through consultation	All working groups for all services have been created and are ready to begin delivering the SESDP.
SE4	To facilitate the creation of an additional Sustainable Environment Officer focused on Sustainability.	By creating a larger Sustainable Environment Team the development of the SESDP can become more efficient.	Sustainable Environment	To be identified through consultation	2030	To be identified through consultation	
SE5	To train and certify all Council staff members in Carbon Literacy.	By training and certifying all members of staff and any new members of staff, the Council will have sustainability embedded in the entire organisation and staff	Sustainable Environment & People	£3,000 every 3 years and £10 per certified staff member.	June 2027	To be identified through consultation	The training has been sourced and the first training session will occur in

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		will be well informed of the issues we face with climate change and how to solve it.					June - July 2024.
SE6	To seek additional funding for the funding actions in the SESDP.	This includes funding from Salix, Central Government and other opportunities.	Sustainable Environment	No associated cost	June 2024 - Ongoing	To be identified through consultation	Have applied for Salix LCSF for feasibility studies on Knutton lane Depot, Bradwell Crematorium & Jubilee 2.
Streetscene							
SES1	Support the delivery of the 2030 Fleet Decarbonisation Delivery Plan for Streetscene vehicles	More detail is located in the 2030 Fleet Decarbonisation Delivery Plan.	Streetscene				
SES2	Deliver fleet decarbonisation by 2030 for Streetscene assets and equipment.	More detail is located in the 2030 Fleet Decarbonisation Delivery Plan.	Streetscene				
Compliance							
SEC1							To be developed

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IT & Digital Service Delivery Plan							
Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Digital Business							
IDDB1	To transition the Council to a completely digital system and paperless.	This would aid in reducing emissions and biodiversity loss. This includes supporting the elections team becoming paperless (see Legal & Governance Service Delivery Plan)	Digital Business	To be identified through consultation	To be identified through consultation	To be identified through consultation	The Council has begun to go paperless and digital especially through the use of more digital software such as Sharepoint.
IDDB2	Ensure that all Council used digital software and hardware suppliers are ethical and sustainable.	This will be included in the Sustainable Procurement Strategy however will need to be highly focused to ensure all digital services staff use align with our ambitions.	Digital Business, Procurement & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	
Desktop & Network Services							

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IDDN1	Partner with TMT First to deliver a public mobile device recycling service and begin the use of their services as a supplier for Council owned devices.	This would allow for a circular economy for mobile devices in the borough whilst engaging with a great local business.	IT Services, Health & Safety & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	This project has been in discussion.
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Legal & Governance Service Delivery Plan							
Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Electoral Registration & Elections							
LGEE1	To work towards paperless and digital elections.	This can first start with the exception of the postal vote and voting ballot papers however to completely support biodiversity and carbon emissions this will have to be reduced by 100% in the end.	Electoral Registration, Elections & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	
Information & Solutions							

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LGIS1							To be developed
Contracts, Procurement, Insurance & Risk							
LGC1	To create a sustainable and ethical procurement strategy for Council suppliers, contractors and partners.	To ensure the Council reduces all its emissions including scope 3 the organisation must set standards for the organisations/services it uses. This includes the net zero and natural environment ambitions of externals, their production and extraction and their workers' rights standards. This will include for all suppliers of the Council to have some sort of ambition to become net zero by 2030 and promote the natural environment by 2050.	Contracts, Procurement, Insurance, Risk & Sustainable Environment	To be identified through consultation	2025	To be identified through consultation	

Strategy, People & Performance Service Delivery Plan							
Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress

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People							
SP1	To implement an annually updated compulsory sustainability training session for all current and new staff members at the Council.	By implementing compulsory sustainability training for all staff we will be able to ensure all new and current staff have the knowledge to engage with sustainable initiatives and drive them forward.	People & Sustainable Environment	To be identified through consultation	June 2024 - Ongoing	To be identified through consultation	A new sustainability training module will be published soon alongside a new training service for staff.
SP2	Transition all business travel to decarbonised transportation methods.	This includes all travel to and from conferences, site visits and meetings. Instead staff may use EV's, public transport and active travel.	People & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	
SP3	Begin to collect detailed data of business and commuting travel for scope 3 carbon footprint generation.	By collecting more detailed data on staff commuting and business travel we will be able to more accurately generate the Council's scope 3 emissions as part of our annual carbon footprint report.	People & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	
SP4	To facilitate a sustainable staff travel initiative.	This would aim to facilitate the transition of commuting to and from	People & Sustainable Environment	To be identified through consultation	To be identified through consultation	To be identified through consultation	Sustainable staff travel initiatives have been trialled

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		work places to decarbonised methods.					before at the Council.
Communications & Marketing							
SCM1	To support the creation of new social media networks for the Environment and Sustainability	By creating new social media such as Instagram and Facebook for our Streetscene and Sustainable Environment Services to engage different and new audiences in the borough.	Communications, Marketing & Sustainable Environment	No associated cost	June 2024	To be identified through consultation	A new Instagram and Facebook page are ready to publish when the SESDP is adopted.
SCM2	To share and publicise sustainable opportunities and social posts on corporate messages.	By sharing different sustainable initiatives on corporate pages when needed more of the public can engage with the subject.	Communications, Marketing & Sustainable Environment	No associated cost	June 2024 - Ongoing	To be identified through consultation	Corporate communications have begun to share sustainable initiatives with the public.
Policy & Strategy							
SPS1							To be developed
Health & Safety							
SHS1	Support the health and safety aspects of the implementation of a mobile device recycling collection for the	To ensure the collection of mobile devices is safe and adheres to regulations.	Health & Safety, Sustainable Environment & Facilities Management	No associated cost	2025	To be identified through consultation	This project has been in discussion.

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	public with TMT First.						
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Planning Service Delivery Plan							
Action Code	Action	Summary	Lead Service(s)	Cost (£)	Achievement Date	Carbon Saved (tCO2e)	Progress
Planning Policy							
PPP1	To implement a 10% Biodiversity Net-Gain (BNG) Policy for new developments in the new Local Plan.	Certain new developments in the borough will have to have 10% Biodiversity Net-Gain according to new Government legislation.	Planning & Sustainable Environment	To be identified through consultation	2024	To be identified through consultation	Local Plan is soon to be adopted with this policy included. Planning are currently working with Staffordshire Wildlife Trust (SWT) on BNG.
PPP2	To partner with Staffordshire Wildlife Trust and other	This action is to ensure all action relating to the natural environment is	Planning	To be identified through consultation	2025	To be identified through consultation	

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	natural environment experts in Staffordshire on Local Planning for the Natural Environment.	well informed and is backed by local experts.					
PPP3	To adopt a new Local Plan that includes sustainable initiatives such as BNG.	The Local Plan can have a large impact on the local area and has included policy regarding biodiversity and more sustainable built environments.	Planning	To be identified through consultation	2024	To be identified through consultation	Local Plan is soon to be adopted with sustainable initiatives included.
Development Management							
PDM1	To ensure all new developments adhere to national environmental health, sustainable development and BNG regulations.	This action will be ongoing till 2050 as new regulations develop.	Planning	To be identified through consultation	2024 - Ongoing	To be identified through consultation	The Council currently ensure new developments are as sustainable as they can be and are up to national regulations.