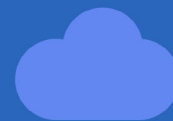
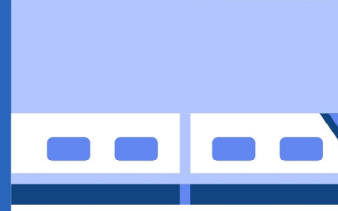
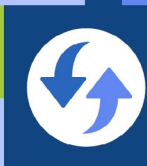


Climate Emergency Action Plan

5th Annual Update | Autumn 2025



Introduction

The Climate Emergency Action Plan was agreed by Cabinet in July 2020 in response to the council declaring a climate emergency in June 2019. The updated Climate Emergency Action Plan, following a midway review, will be agreed by Cabinet in December 2025.

The Action Plan identifies activity and tracks delivery across four priority areas:



Decarbonisation of Council operations and estate to achieve net zero by 2030



Influence a reduction in wider borough emissions



Make the borough resilient to the impacts of climate change



Promote sustainable lifestyles for residents and staff

This is the 5th annual update report, which highlights for each of the priority areas progress in delivering the actions agreed in the 4th annual update, progress in achieving targets in that area and the planned actions to be delivered over the next year.

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Decarbonisation of Council operations and estate to achieve net zero by 2030



Activity in this area is associated with four areas of focus:



Corporate buildings

Replace gas boilers with low carbon heating, increase thermal efficiency and generate renewable electricity



Vehicle fleet

Transition away from fossil fuel powered to ultra-low emission vehicles



Business travel

Reduce emissions from employee business travel



Procured goods and services

incentivise our suppliers to decarbonise their operations and the goods and services delivered to the council

Decarbonisation of Council operations and estate – 2025 actions delivery

Planned Action	Impacted Area		Status	Commentary
Complete Net Zero carbon surveys for all buildings	Council operations – corporate buildings		In progress	High level surveys completed for 30 (out of 37) buildings with work in progress to complete detailed surveys for all 37 buildings.
Develop business cases and pipeline of projects that can be delivered by 2030 for building decarbonisation	Council operations – corporate buildings		Not started	Dependent on net zero carbon surveys being completed for all 37 assets.
First set of building decarbonisation projects in design stage	Council operations – corporate buildings		Not started	Dependent on net zero carbon surveys being completed for all 37 assets.
Submit bids to access any available grant funding	Council operations – corporate buildings		Ongoing	We continue to explore grant and funding opportunities available from across the public and private sector to decarbonise the corporate buildings in addition to utilisation of council funding sources.
Ensure building managers are maximising the usage / benefits from their decarbonised technologies	Council operations – corporate buildings		Ongoing	Ongoing training is provided to building managers of assets which have benefited from the installation of low carbon technology. This takes place at handover stage to ensure that the technology is used correctly and achieving best efficiency. The council has trialled building optimisation software across the corporate estate to monitor energy usage and consumption with the aim to address any anomalies and work with building managers to further improve energy efficiency.
Transition the Refuse Collection Vehicle fleet (57 vehicles) from diesel to HVO	Council operations – vehicle fleet		Achieved	HVO tank installed at Southall Lane R360 Depot, the recycling collection vehicle fleet has begun using HVO.

Decarbonisation of Council operations and estate – 2025 actions delivery

Planned Action	Impacted Area		Status	Commentary
Procure and replace end-of-life vehicles with hybrid / diesel alternatives	Council operations – vehicle fleet		Ongoing	Procurement to replace end of life RCV vehicles has been delayed – due to cost and infrastructure constraints replacement vehicles will be ICE; however, will use HVO. All fleet replacement will be delivered in accordance with the Sustainable Fleet Plan.
Initiate and progress through discovery stage Future Depots project to provide the infrastructure for the future net zero fleet	Council operations – vehicle fleet		In progress	The Strategic Business Case for the Future Depots Project is currently under development and is taking into consideration all operational offices, depots and fleet.
Identify / develop an accurate methodology to measure and track reduction in non-direct emissions	Council operations – non-direct emissions		In progress	Methodology commissioned as part of the calculation of the council's carbon footprint.
Develop a robust plan to reduce non-direct emissions	Council operations – non-direct emissions		Not started	Dependent on agreed methodology.
Introduce recycling facilities across all corporate buildings	Council operations – non-direct emissions		Achieved	Internal recycling facilities introduced across corporate buildings.
Investigate transition to electric pool cars	Council operations – non-direct emissions		Achieved	Hounslow House requires charging infrastructure upgrades before electric pool cars can be secured and used by staff. Currently there are three hybrid self-charging electric cars based at Bridge Road Depot.

Decarbonisation of Council operations and estate – 2025 actions delivery

Planned Action	Impacted Area		Status	Commentary
Consider how to strengthen procurement practice to require net zero 2030 plans for all contracts	Council operations – non-direct emissions		In progress	West London Low Carbon Procurement toolkit being utilised in contracts. New CPCM approach ensures climate considerations are included in all specifications; however, more work is required to strengthen this and embed the requirement for net zero commitments.
Determine the predicted amount of carbon emissions that need to be offset to achieve net zero in 2030 and the approach to off-setting	Carbon offsetting		Not started	Work on likely requirement for offsets cannot yet be completed as it is dependent on the work on project pipelines, which is still in progress.
Establish Climate Investment Board	Council operations – corporate buildings		Achieved	Board is operating with representatives from across the council focused on decarbonisation of the corporate estate by 2030. It is also managing allocation of Hounslow Green Investment and the Carbon Offset Fund.

Refuse and Recycling Vehicles powered by Hydrotreated Vegetable Oil (HVO)

Case Study



The Council working with Lampton 360 has transitioned the 57 refuse and recycling collection vehicles (RCVs) to run on Hydrotreated Vegetable Oil (HVO) – a renewable fuel made from used cooking oil and other sustainable waste sources.

Switching to HVO fuel significantly reduces carbon emissions by around 85–90% compared to traditional petrol or diesel. It offers a cost effective and practical solution because the existing refuelling infrastructure can still be used, and standard petrol or diesel vehicles do not require expensive retrofits. Only specialised storage tanks are needed for the HVO fuel.

HVO provides a bridging solution that delivers significant decarbonisation until the market and technology has matured to allow ultra-low emission RCVs to be procured at scale which are affordable, reliable and do not compromise operational resilience.

Decarbonisation of Council operations and estate – Progress against targets

KEY: ■ Expected to be achieved ■ Can be achieved, but not without risk ■ High risk of non-delivery

Target	2025 Performance	2026 Performance target	Delivery risk	Commentary
Achieve net zero for our operational emissions by 2030	Gas consumption – 13,311Mwh Electricity generation – 10.7% or 2,821Mwh Diesel / petrol consumption (for the council owned fleet) – 533,565 litres n.b. for future years this will also include the hired / leased fleet, but this data is not currently available Business travel (data not available) Procured goods and services (data not available)	Reduced gas consumption Increased electricity generation Reduced diesel / petrol consumption Business travel – tbc Procured goods and services – tbc		This target can be achieved assuming that the required funding can be identified, particularly for corporate building decarbonisation. Delivery is more challenging for non-direct emissions, particularly procured goods and services. Some offsetting will be required to meet the target and the scale and approach to this will be developed in the next year.
Decarbonise our 37 council operated corporate buildings	Fully decarbonised – 1 Partly decarbonised (i.e. some of the required decarbonisation measures installed) – 23 Not decarbonised – 13	Increase of 6 partially decarbonised buildings (leisure centres)		This target can be achieved subject to identification of funding, which will be a priority for the Climate Investment Board following completion of Net Zero carbon surveys for all assets. Identification of funding is a risk; however, given the availability of a number of funding sources that can be appropriately used to decarbonise the 37 buildings identified in scope this is not significant. Limited delivery progress expected in the next year due to planning work not yet being completed. Significant delivery expected from 2027.

Decarbonisation of Council operations and estate – Progress against targets

KEY: ■ Expected to be achieved ■ Can be achieved, but not without risk ■ High risk of non-delivery

Target	2025 Performance	2026 Performance target	Delivery risk	Commentary																														
Transition our vehicle fleet to Ultra Low and zero emission vehicles	<table border="1"> <thead> <tr> <th></th><th>Electric</th><th>Hybrid</th><th>HVO</th><th>Diesel / petrol</th></tr> </thead> <tbody> <tr> <td>Van</td><td>6</td><td>121</td><td>0</td><td>261</td></tr> <tr> <td>RCV</td><td>0</td><td>0</td><td>57</td><td>0</td></tr> <tr> <td>HGV</td><td>0</td><td>0</td><td>0</td><td>6</td></tr> <tr> <td>Car</td><td>0</td><td>2</td><td>0</td><td>3</td></tr> <tr> <td>Minibus</td><td>0</td><td>0</td><td>0</td><td>61</td></tr> </tbody> </table>		Electric	Hybrid	HVO	Diesel / petrol	Van	6	121	0	261	RCV	0	0	57	0	HGV	0	0	0	6	Car	0	2	0	3	Minibus	0	0	0	61	Transition 35 vehicles (33 vans and 2 HGVs) to HVO from diesel	 	Waste and recycling fleet transitioned to use Hydrotreated Vegetable Oil (HVO) as a sustainable fuel option with an 85 – 90% emissions reduction compared to diesel. Sustainable fleet plan has been developed setting out how the Council fleet of vehicles (including those operated by the Lampton Group) will transition to an ultra-low emission fleet over the next decade. Risks to delivery of this include available technology and depot infrastructure. Next year (2026), we plan to begin procuring only ultra-low emission and electric vehicles for replacements, and install new charging and refuelling infrastructure.
	Electric	Hybrid	HVO	Diesel / petrol																														
Van	6	121	0	261																														
RCV	0	0	57	0																														
HGV	0	0	0	6																														
Car	0	2	0	3																														
Minibus	0	0	0	61																														
Reduce emissions from employee business travel	This is a new area of focus introduced in the CEAP 2026-2030 and therefore data is not yet available.	Reduced mileage claims from staff utilising ICE vehicles Increased proportion of car hire fleet is ULEV	 	The target will be achieved through development and implementation of a formal policy in consultation with staff and members. Making progress in this area will be a focus for the next year.																														

Decarbonisation of Council operations and estate – Progress against targets

KEY: ■ Expected to be achieved ■ Can be achieved, but not without risk ■ High risk of non-delivery

Target	2025 Performance	2026 Performance target	Delivery risk	Commentary
Incentivise our suppliers to decarbonise their operations and the goods and services delivered to the council	Work is underway to identify how progress in this area can accurately and usefully be measured and tracked.			Some policy and process improvements have been made over the past year, but more work is required and is underway to enable the delivery of a clear action plan to meet this target and to fully understand and identify mitigations to associated risk.

Decarbonisation of Council operations and estate - 2026 planned actions

Planned Action	Impacted Area		Status
Complete detailed Net Zero Carbon surveys for the 37 corporate buildings	Corporate emissions - buildings		Carried forward
Develop delivery programme through to 2030 with identified funding sources	Corporate emissions - buildings		Carried forward
Monitor and analyse utilities consumption across corporate estate with the aim to improve energy efficiency of the buildings	Corporate emissions - buildings		Ongoing
Complete decarbonisation projects on six leisure centres	Corporate emissions - buildings		Carried forward
Develop and adopt a climate friendly policy for business travel	Corporate emissions - business travel		New
Develop business case to upgrade the infrastructure across corporate sites to fully support a fleet of electric pool cars	Corporate emissions - business travel		New
Develop and adopt an approach for estimating the emissions of our highest impact goods and services	Corporate emissions – procured goods and service		Carried forward
In partnership with West London Boroughs, update the Low Carbon Procurement Toolkit	Corporate emissions – procured goods and service		New
Develop a methodology for calculation of actual and projected residual emissions	Carbon offsetting		Carried forward
Agree a policy position on implementation of offsetting to meet net zero	Carbon offsetting		New

Decarbonisation of Council operations and estate – 2026 planned actions

Planned Action	Impacted Area		Status
Evaluate the feasibility of and agree a policy position on monetisation of the Council's own projects as Carbon Credits	Carbon offsetting		New
Roll out the Fleet Management System and telematics across the corporate fleet	Corporate emissions – vehicle fleet		Ongoing
Explore the installation of HVO infrastructure at other council depot sites	Corporate emissions – vehicle fleet		New
Expand EV charging infrastructure and resolve depot grid capacity constraints in partnership with DNOs and IDNO	Corporate emissions – vehicle fleet		Ongoing
Replace end-of-life ICE vehicles with ULEVs or ZEVs where feasible	Corporate emissions – vehicle fleet		New
Begin staff training programmes in EV familiarisation and IMI Level 4 maintenance certification	Corporate emissions – vehicle fleet		New
Prepare the medium-term fleet procurement pipeline (2027–29) to begin transitioning to ZEVs	Corporate emissions – vehicle fleet		New

Influence a reduction in wider borough emissions



Wider borough emissions are all emissions generated within Hounslow not just those from Council operations.

These emissions are comprised of:



Buildings

Primarily electricity and gas used to heat domestic and commercial buildings



Transport

Movement of persons and goods by road and rail



Industrial

Fuel consumption and energy use from industrial processes



Waste

Waste recycling and collection, treatment, disposal and materials recovery

Scope of wider borough emissions the council can influence

This Climate Emergency Action Plan 5th Annual Update, focuses our wider borough activities on the built environment and transport where the Council can use its control and influence to drive meaningful reduction in carbon emissions.

Built Environment

	Domestic properties
	Commercial buildings
	Community buildings
	Schools and nurseries

	Hospitals, clinics and health centres
	Colleges and universities
	Police, fire and ambulance stations

Transport

	Public transport
	Road
	Active travel

Scope of wider borough emissions outside the Council's influence

Industrial emissions are largely outside of the Council's control. Waste management emissions are largely from processes of dealing with waste created rather than the consumer or business activities which generate the waste. Whilst the Council through its wholly owned companies undertake waste collection and recycling, treatment and disposal is managed by the West London Waste Authority multi borough partnership.

Influence a reduction in wider borough emissions – 2025 actions delivery

Planned Action	Impacted Area		Status	Commentary
Complete NZN feasibility and OBC	Wider borough – built environment		In progress	Feasibility study has been completed, the summary of findings and recommendations is being drafted. Net Zero Neighbourhoods and a potential pilot will be progressed as part of a Strategic Energy Partnership.
District Heat Network Phase 1 Project Development	Wider borough – built environment		In progress	Cabinet approval secured in February 2025. Secured £10.5 million GHNF DESNZ grant for commercialisation and construction of phase 1 of the network. Following cabinet decision and a mobilisation period, procurement of a Delivery Partner will be undertaken financial year 2026/2027.
Complete LAEP to identify the most effective approach to achieve borough wide net zero ambitions	Wider borough – built environment		Achieved	The Outline Business Case (OBC) and associated recommendations have been completed and are scheduled for consideration by Cabinet in December.
Submit bids to access any available grant funding	Wider borough – built environment		Achieved	Final report published and data shared with key stakeholders. Based on the project recommendations, project pipeline to be refined and progressed through the wider-borough commercial delivery model.
Initiate project to support SMEs to decarbonise and transition	Wider borough – built environment		In progress	Project is in development.
Adopt Climate Change Mitigation and Adaptation Supplementary Planning Document	Wider borough – built environment		Achieved	Adopted and implementation underway.

Influence a reduction in wider borough emissions – 2025 actions delivery

Planned Action	Impacted Area		Status	Commentary
Complete procurement for installation of EV charge points and commence deployment	Wider borough – transport		In progress	Fast/rapid charging point procurement complete and has been awarded, with two out of three operators having signed contracts. Tender pack for lamp column charging points has been drafted and is being discussed with the Office for Zero Emission Vehicles (OZEV).
Adopt Transport Strategy and Cycling, Walking and Wheeling Actions Plans	Wider borough – transport		Achieved	Adopted and implementation underway.
Deliver and further develop our network of Cycleways	Wider borough – transport		Ongoing	Cycling Action Plan will include a cycle network for the borough. Cycleway 9 has been extended from Kew Bridge to Brentford with further extension to Hounslow in development. Route 7 on Southall Lane is being constructed. Priority Cycle Network continues to be delivered in phases subject to available funding.
Develop proposals to enhance public transport infrastructure between the south of the borough and Heathrow airport	Wider borough – transport		In progress	The Council is continuing to work on improving public transport connections to Heathrow airport.
Enhance bus connectivity across the borough	Wider borough – transport		Ongoing	Public Transport Action Plan is under development. The Council is continuing to work with TfL on improvements to bus services across the borough.

Schools Decarbonisation

Case Study: Edward Pauling Primary School



Edward Pauling Primary School in Feltham is one of 36 schools across Hounslow that has benefitted from wide ranging decarbonisation measures funded through the Public Sector Decarbonisation Scheme (PSDS) at a cost of £309,000. These upgrades are helping schools to reduce carbon emissions, lower energy bills and create more comfortable learning environments for pupils and staff.

At Edward Pauling, the school's old gas boiler has been replaced with two 45kwh Air Source Heat Pumps (ASHPs). In addition, 50kwh of roof mounted Solar Panels (solar PV) have been installed to generate renewable electricity on-site, along with a thermal store that heats water using clean energy generated on site.

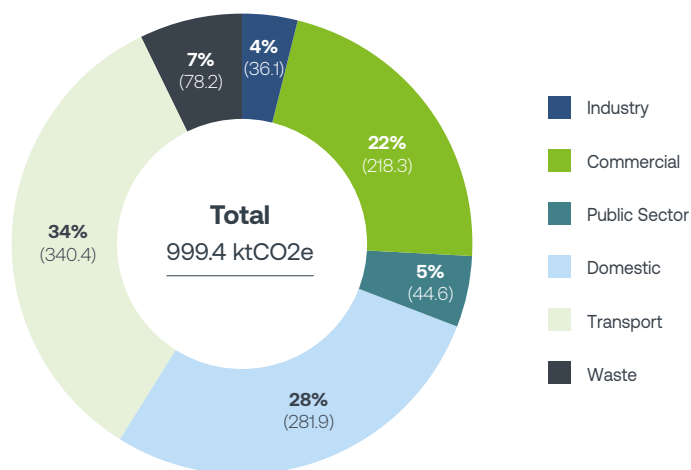
To make the most of these low carbon technologies, a new Building Management System (BMS) was introduced to monitor and optimise energy use. The site also benefits from battery storage which allows the school to store excess solar energy and use it later during peak demand periods.

To enable these installations, the school's pipework and electrical infrastructure was upgraded.

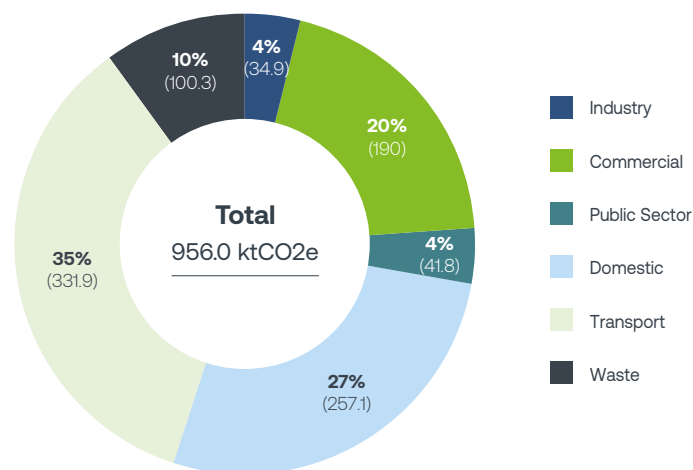
Influence a reduction in wider borough emissions - Progress against targets

To track emissions across the borough we use Department for Energy Security and Net Zero (DESNZ) territorial emissions data which is available for every council in England and Wales. Due to the complexity generating this large dataset there is a two year time lag on the data so the latest data available is for 2023.

2022 Hounslow greenhouse gas emissions (kt CO₂e)



2023 Hounslow greenhouse gas emissions (kt CO₂e)



2022-2023 Change (kt CO₂e)

Industry	-3.5%	-1.26
Commercial	-12.97%	-28.31
Public Sector	-6.13%	-2.73
Domestic	-8.8%	-24.80
Transport	-2.51%	-8.53
Waste	+28.33%	+22.15
TOTAL	-4.35%	-4.35

Influence a reduction in wider borough emissions – Progress against targets

KEY: ■ Expected to be achieved ■ Can be achieved, but not without risk ■ High risk of non-delivery

Target	2025 Performance	2026 Performance target	Delivery risk	Commentary
Reduce borough wide emissions	Data has a two-year lag, so the performance, below is from the latest available data set which is 2023. Based on DESNZ data CO2 emissions in Hounslow have reduced by 40% since 2005 from 1,588ktCO₂e to 956ktCO₂e, which is a 4.4% reduction since 2022. Per Capita emissions have reduced by 63% since 2005 from 7.1 tCO₂e to 2.6tCO₂e.	Continue downward trajectory of CO2 emissions		Central Government policy has a key impact on this target, as well as all the work outlined in the CEAP that the Council is delivering and enabling including the emerging Local Plan, Climate Change SPD, Local Area Energy Plan, Strategic Energy Partnership, Transport Strategy and District Heat Network.
Decarbonise 78 schools in the borough	Fully decarbonised – 0 Partly decarbonised (i.e. some of the required decarbonisation measures installed) – 36 Not decarbonised – 42	Increase of four fully decarbonised schools.		Opportunities for tactical decarbonisation have been and will continue to be available through grant funding and end of life asset replacement opportunities. In 2025 a successful application to the Mayoral Renewables Fund was made for Solar PV upgrades to four schools in the borough. LED lighting has been added to this scope funded by Carbon Offset Fund to enable these schools to be fully decarbonised. At scale decarbonisation of all schools especially those which are not local authority controlled will require greater investment through schools Power Purchase Agreement and/or inclusion in Strategic Energy Partnership.

Influence a reduction in wider borough emissions – Progress against targets

KEY: ■ Expected to be achieved ■ Can be achieved, but not without risk ■ High risk of non-delivery

Target	2025 Performance	2026 Performance target	Delivery risk	Commentary
Decarbonise housing in the borough	Limited progress has been made on decarbonisation of the borough's housing (metrics not available).	Limited further progress anticipated in the next year.		We will signpost residents to Warm Homes Local where eligibility requirements are met. Affordable and equitable borough wide retrofit requires scaling of net zero neighbourhood's approach. A Net Zero Neighbourhood Pilot will be prepared for inclusion in the Strategic Energy Partnership.
Decarbonise 16,000 council managed social homes	150 homes fully decarbonised 15,850 homes not decarbonised	Limited further progress anticipated in the next year.		A Net Zero Neighbourhood Pilot will be prepared for inclusion in the Strategic Energy Partnership.
Improve EPC ratings for social housing	64% EPC C	Limited further progress anticipated in the next year.		Limited further progress will be made towards this target by the end of 2026. At scale decarbonisation of our 16,000 social homes will be achieved through scaling of net zero neighbourhoods' approach through the Strategic Energy Partnership.
Install 2,000 EV charge points by 2026	280 charge points have been installed	2,000 charge points installed		Procurement of Delivery Partners to deliver the remaining EV infrastructure will be completed and installation progressed by the end of 2026.
Increase length of new and upgraded cycle routes that meet TfL quality criteria	25.59km of TfL quality cycle routes in the borough 13.8km delivered since 2020 2.44km of new and upgraded cycle routes delivered in the last year	Progress subject to TfL funding allocation		TfL funding is constrained compared to previous years of delivery, which will impact delivery in 2026.

Influence a reduction in wider borough emissions – Progress against targets

KEY: ■ Expected to be achieved ■ Can be achieved, but not without risk ■ High risk of non-delivery

Target	2025 Performance	2026 Performance target	Delivery risk	Commentary
Increase number of journeys made by walking, wheeling, cycling, bus, tube and rail	Modal share by active travel and public transport has increased from 61% to 64% since 2020. This is driven by a 7% increase in walking. This broadly equates to an increase of 13,000 trips per day by climate friendly mode of travel.	Positive progress on all measures	■	On track for 2030 target of 66% and 2041 target of 71%
Connect Public Buildings to the District Heat Network	TBC through development of Heat Network	TBC through development of Heat Network	■	Letters of support from key public sector off takers including the Council corporate estate and social housing received showing a commitment to the Heat Network. Plan to agree Head of Terms from key public sector off takers for connection to the heat network including West Middlesex Hospital in the next year to support commercialisation.
Increase community renewable energy generation	TBC through development of Strategic Energy Partnership	TBC through development of Strategic Energy Partnership	■	GLA funded Community Energy generation feasibility study completed. Community energy groups can progress areas of opportunity. An at scale and co-ordinated approach requires support of an SEP.

Influence a reduction in wider borough emissions – 2026 planned actions

Planned Action	Impacted Area		Status
Procurement of Heat Network Delivery Partner underway	Wider borough – built environment		New
Develop a market prospectus of net zero infrastructure opportunities	Wider borough – built environment		New
Prepare market engagement to test viability of the wider borough opportunities pipeline	Wider borough – built environment		New
Prepare tender documentation ready for Strategic Energy Partnership procurement in 2027	Wider borough – built environment		New
Develop partnership framework to identify key stakeholders to collaborate on wider borough pipeline and support just transition	Wider borough – built environment		New
Develop a net zero neighbourhoods' pilot for inclusion in the Strategic Energy Partnership	Wider borough – built environment		New
Assess viability of applying for Warm Homes Social funding	Wider borough – built environment		New
Deliver Solar PV and LED lighting upgrades to four schools	Wider borough – built environment		New
Embed decarbonisation requirements into the school's capital maintenance programme	Wider borough – built environment		New
Engage with Higher Education institutions (e.g. Brunel University) to develop partnership for programme delivery	Wider borough – built environment		New

Influence a reduction in wider borough emissions – 2026 planned actions

Planned Action	Impacted Area		Status
Introduce new policy with increased on-site performance benchmarks and Carbon Offset price set out in the emerging Local Plan* *subject to independent examination by the Planning Inspectorate.	Wider borough – built environment		In Progress
Complete installation of 2,000 EV charge points	Wider borough – transport		In Progress
Implement five new schools streets with complementary green infrastructure initiatives	Wider borough – transport		In Progress
Improve wayfinding on the walking and wheeling network in the borough that connects key destinations	Wider borough – transport		In Progress
Undertake a healthy streets assessments and accessibility audit to identify improvements to crossings and street environments	Wider borough – transport		In Progress
Begin construction of Priority Cycle Network Route 5, 6 and extension of Cycleway 9 to Syon Park. Continue construction of Route 7 on Hayes Road.	Wider borough – transport		New
Promote and expand the e-bike scheme	Wider borough – transport		In Progress
Procure provider(s) to expand car club provision across the borough	Wider borough – transport		In Progress
Review and expansion of emissions-based parking charges	Wider borough – transport		In Progress

Hyde House

Case Study



Hyde House is a sheltered housing complex for older residents, built in 1978 and managed by Hounslow Council. It has 41 flats and a shared common room, and forms part of the Council's Housing Revenue Account (HRA).

The old gas boilers have been replaced with two air source heat pumps (ASHPs), which draw warmth from the air to heat the building efficiently.

The upgrades are supported by new building insulation to keep heat in and installation of solar panels (solar PV) to generate energy onsite. To make sure residents are comfortable, acoustic fencing was added to reduce noise disturbance from the operation of the air source heat pumps.

Hyde House marked a significant milestone as the first residential sheltered housing scheme to be fully retrofitted for low-carbon living in Hounslow. The project is an excellent example of how combining different funding sources can make an ambitious decarbonisation project possible. A total of £787,000 was invested from the Public Sector Decarbonisation Scheme, Section 106 Carbon Offset Fund and Housing Revenue Account.

Impact: The improvements are expected to achieve a carbon emission reduction of over 91 tonnes per year, equivalent to over 70% cut in carbon from heating and electricity and total financial savings of over £10,000 each year from lower running costs from cleaner, more efficient energy systems.

Make the borough resilient to the impacts of climate change



Our climate is changing leading to wetter winters and hotter, drier summers. This means more severe climate-related events such as



Floods



Wildfires



Heatwaves

Extreme flooding in recent years has damaged properties, displaced residents and disrupted critical services.

The warmest temperatures on record have caused an increase in heat related deaths. We need to adapt our buildings, infrastructure and behaviours to be resilient to the impacts of climate change so we can:

- minimise disruption
- recover quickly when extreme events do occur
- protect life and property

Make the borough resilient to the impacts of climate change

For certain areas of climate resilience Hounslow as a local authority has a lead role working with partners to develop plans and put in place adaptation measures to appropriately manage the risk and impact of extreme events. These include:

- **Local Flood Risk Management Strategy (LFRMS)** - This strategy outlines how the council and other key stakeholders such as the Environment Agency will manage local flood risk in the borough
- **Surface Water Management Plan (SWMP)** - This plan assesses surface water flood risk in the borough and how to manage this including integration of SuDS
- **Thames Estuary 2100 Flood Risk Management Plan** - The Thames Estuary 2100 (TE 2100) Plan was developed by the Environment Agency and provides strategic direction for managing flood risk in the Thames Estuary
- **Severe Weather: Heatwave Plan** - Outlines processes for alert dissemination, responsibilities and provides guidance on utilising the Met Office Heat Watch system
- **Green and Blue Infrastructure Strategy** - This strategy is an essential component of resilience. It sets out programmes in our green and blue spaces to both mitigate against climate change and support adaptation.
- **Nature Recovery Action Plan (NRAP)** - This plan identifies the priorities for nature recovery in the borough and sets out a programme of strategic actions to conserve, promote and increase biodiversity across the borough and develop resilience
- **Thames Landscape Strategy** - A programme of work delivered in partnership with landowners and the local community that aims to improve, enhance and conserve the waterways.

Climate Change Resilience Plan



Critical infrastructure



Built environment both residential and non-residential



Nature based solutions



Emergency planning and response



Data and monitoring



Council operations and services

Make the borough resilient to the impacts of climate change - 2025 actions delivery

Planned Action	Impacted Area		Status	Commentary
Develop Climate Change Resilience Plan	Resilience and adaptation		In progress	Plan on track to be completed and ready for implementation in 2026.
Implement three SuDS schemes and progress development of four more	Resilience and adaptation		Exceeded	Four schemes completed. Two schemes at outline business case stage for construction 2026.
Assess works to tidal flood defences at Strand on the Green	Resilience and adaptation		Achieved	Emergency repairs completed. Further assessments being carried out over next six months.

Thames Water Strategic Partnership

Case Study



In 2019, Hounslow Council was awarded the Thames Water Strategic Partnership (TWSP) after a successful bid that stood out among several London boroughs.

The five-year programme (2020–2025) focused on improving how surface water is managed and increasing sewer capacity across the borough. This is being achieved through the creation of Sustainable Drainage Systems (SuDS) which are nature-based solutions that help manage rainwater more sustainably.

Nine SuDS schemes have been completed across Hounslow at:

Beaversfield Park

College Road

Thornbury Park

Brabazon Road

Renfrew Road

The Green School for Girls

Burns Way / Shelly Crescent

Smallberry Green Primary School

Wellington Road North

Together, the completed schemes manage and store the equivalent of rainwater that would fall on 5 hectares of land. That's around 9 full-size football pitches worth of rainfall kept out of the sewer system every time it rains potentially preventing surface water flooding.

Thames21, a community environmental charity, led on engagement and education work, helping local people learn about SuDS and their benefits to the environment. Community engagement has been a vital part of the programme. Throughout 2024, Thames21 hosted open days and planting events where local residents joined in to help plant flowers and vegetation in new SuDS areas including Renfrew Road, Thornbury Park and Brabazon Road.

Make the borough resilient to the impacts of climate change - Progress against targets

Four SuDS schemes were completed over the last reporting period exceeding the target to complete three schemes.

- Beaversfield Park SuDS and pump track (underground attenuation)
- Wellington Road North Greenspace (underground attenuation)
- Burns Way and Shelly Crescent (rain gardens)
- Brabazon Road (rain gardens)

Two schemes are at Outline Business Case stage ready for construction in 2026. Grantley Road (wetland basin) and SuDS in schools.

Tidal flood risk repairs have been undertaken in the borough. Emphasis next year will be on working with Environment Agency as part of the TE2100 plan including development of a Riverside Strategy.

Our Climate Change Resilience Plan has carried out an assessment of the risks that climate change poses on the borough and its residents, identifying the opportunities available to prepare and respond in key areas.

The plan will be completed in March 2026 and will allow the Council working with its partners to:

- Ensure key council services and operations have climate change impacts embedded into business continuity to minimise disruption and recover effectively from extreme events
- Increase resilience of residents and places in borough, particularly those more vulnerable to climate impacts
- Update emergency planning and preparedness for events such as floods, hot weather and wildfires
- Build capacity to strengthen co-ordination of community action in response to climate events

The Climate Change Resilience Plan will include targets and actions that will be tracked through the Climate Emergency Action Plan annual updates.

Make the borough resilient to the impacts of climate change - 2026 planned actions

Planned Action	Impacted Area		Status
Begin implementation of the Climate Change Resilience Plan	Resilience and adaptation		New
Implement four new SuDS schemes	Resilience and adaptation		New
Launch the Green Streets Initiative to develop a high-level design framework to guide future kerbside greening and SuDS projects and identify priority locations for implementation	Resilience and adaptation		New
Additional actions will be agreed once the CCRP is completed			

Promote sustainable lifestyles for residents and staff



The focus of our activities to promote and encourage sustainable options for residents are:



Circular economy

Consume less, repair, reuse, share and recycle more



Energy efficiency

Improve awareness of how to use appliances, heat and cool homes to reduce energy usage and save money



Travel choice

Increase use of active travel and low emission transport



Community and social well-being

Empower residents' participation in tackling the climate emergency



Schools

Support schools to become Eco-schools

The focus of our activities to promote and encourage sustainable options for staff are:



Empower staff designed and led environment initiatives



Incentivise sustainable travel options to and from places of work



Promote sustainable behaviours in the workplace to reduce consumption and increase recycling



Sustainability and resilience are at the heart of projects and services

Promote sustainable lifestyles for residents and staff – 2025 actions delivery

Planned Action	Impacted Area		Status	Commentary
Round 3 of Hounslow Community Energy Fund	Promote sustainability in our residents and communities		Achieved	On track to be completed by December 2025 ready for implementation in 2026.
Increase the number of schools registered as Eco-schools	Promote sustainability in our residents and communities		Ongoing	30 schools are registered as eco schools.
Increase the number of schools with a green flag	Promote sustainability in our residents and communities		Ongoing	16 schools have a Green Flag.
Develop updated Waste and Recycling Plan	Promote sustainability in our residents and communities – waste		Not started	Current RRP has been extended by GLA to May 2026.

Built Environment Decarbonisation

Case Study: Community Energy Fund – St Lukes Church and the Indian Gymkhana Club



The Hounslow Community Energy Fund helps community groups to decarbonise their own buildings to make them more sustainable, more energy efficient and cheaper to run. By reducing energy use, groups can save money on bills and reinvest the savings back into community services and activities.

Last year, five new projects were supported with over £130,000 in funding. In total, 11 projects have now received approximately £350,000 of funding from the Council's Section 106 Carbon Offset Fund.

The Indian Gymkhana Club in Osterley used their £40,000 grant, alongside £20,000 in match funding, to replace its old stadium lighting to energy efficient LED lights. This change is expected to cut energy use by 72% and save around £24,000 each year. The new LED lighting has also improved visibility and safety for players during games and training.

St Lukes Church in Hounslow used their £40,000 grant to install secondary and triple glazed windows alongside cavity wall insulation. These upgrades have improved the building's Energy Performance Certificate (EPC) rating from D to C, making the building warmer, quieter, better ventilated and more comfortable for visitors. These improvement have also modernised the space, making it more attractive and functional for community use.

Staff

Case Study: Green Ambassadors



The Green Ambassadors Network is an internal sustainability network. It brings together colleagues from across the Council to help promote sustainability, champion the environment and climate agenda, and to collaborate and share best practice.

What have we delivered?

- A series of online 'lunch & learn' meetings as part of COP29, with some sessions engaging over 100 people
- Support planting the Miyawaki trees at Feltham Forest, helping to plant the first 1,000 small trees in this initiative
- 4 Design Thinking workshops to upskill staff and encourage them to think creatively about projects and solutions
- The Council's first Swap Shop, where staff could exchange clothes and other items, which saved an estimated 208.20kg of CO2 emissions, equating to 106 trees absorbing CO2 in one day
- A lunch & learn on Fairtrade Fortnight, showcasing their 'Fairer Tea' campaign and Fairtrade stories
- A collaboration with the Women's Equality Network to hold a coffee morning and collect as many bras as possible over October in aid of Breast Cancer Awareness Month, accompanied by a lunch & learn from a charity Research Manager

Promote sustainable lifestyles for residents and staff - 2026 planned actions

Planned Action	Impacted Area		Status
Allocate Round 4 Community Energy Fund to community groups	Promote sustainability in our residents and communities		New
Expand Round 5 Community Energy Fund with emphasis on underrepresented groups and our Equality Opportunity Areas	Promote sustainability in our residents and communities		New
Embed TfL's Travel for Life accreditation programme within schools and nurseries across Hounslow	Promote and communities - transport		New
Embed Heston in the Loop lessons learned into borough wide Recycling and Reduction Plan	Promote sustainability in our residents and communities		New
Review available climate training for staff and update and implement refreshed training approach	Promote sustainability in our staff		New
Continue to coordinate and support the Green Ambassadors Network	Promote sustainability in our staff		Ongoing
Increase the number of schools registered as Eco-schools	Promote sustainability in our residents and communities		Ongoing
Increase the number of schools with a green flag	Promote sustainability in our residents and communities		Ongoing

Promote sustainable lifestyles for residents and staff - 2026 planned actions

Planned Action	Impacted Area		Status
Review sustainability focused HR incentives	Promote sustainability in our staff		New
£1m from Hounslow Green Investment to climate and resilience projects	Wider borough - built environment		New
Prepare pipeline for second £1m Hounslow Green Investment raise	Wider borough - built environment		New

