

# NET ZERO DELIVERY PLAN

2026-2030



*Knowsley Council*



# FOREWORD



**Councillor Shelley Powell**

Cabinet Member for  
Communities and  
Neighbourhoods

**At the Council meeting on 29 January 2020, Knowsley Council declared a Climate Emergency and set a target for its internal estates and services to be Net Zero by 2040.**

A further commitment was made to work with partner agencies across the Liverpool City Region to reduce carbon emissions across the borough.

Great progress has been made against the Climate Emergency Action Plan and the Net Zero Delivery Plan 2022-2025.

The Council Plan (2025-2030) highlights the importance of making progress towards our Net Zero target with one key objective being ‘responding to the climate emergency and achieving net zero’.

The Net Zero Delivery Plan 2026-2030 sets out the actions and ambitious for the Council’s internal estates and services up until 2030.

*“I’m extremely proud of the progress made so far in the Council’s journey to Net Zero 2040.*

*This Net Zero Delivery Plan shows our clear commitment to tackling the climate emergency head-on. We’re taking practical, measurable steps to cut emissions, support our residents and businesses, and create a cleaner, greener future for everyone in our community”.*

*Cllr Shelley Powell, Cabinet Member for Communities and Neighbourhoods.*

*“Responding to the Climate Emergency  
and Achieving Net Zero”*

# THE CLIMATE EMERGENCY IN KNOWSLEY

To enable the Council to effectively mitigate climate change and monitor progress against the Council's emissions targets, a baseline must be set.

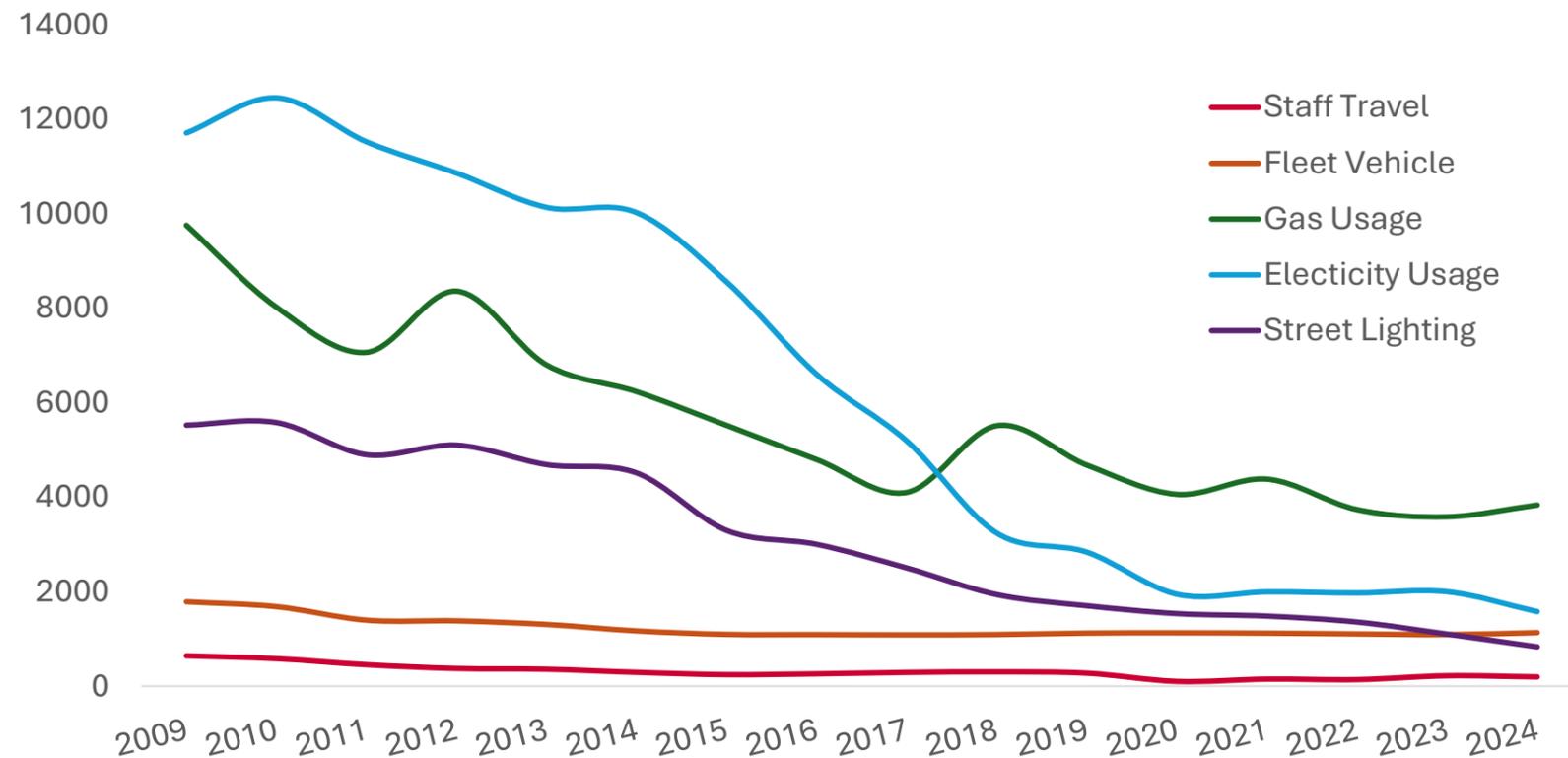
The Council reports annually on the greenhouse gas emissions from five sources using internally collected data in line with the Government's Department of Energy and Climate Change guidelines. The below graph shows the change in the Council's carbon emissions from 2009/10, which is used as the baseline year when reporting first began, until 2024/25.

The Council has reduced its greenhouse gas emissions by 74% since 2009/10. Despite Knowsley achieving significant emission reductions, there is still a long way to go.

This plan sets out the actions and ambitions the Council will undertake up until 2030.

## COUNCIL EMISSIONS 2009/10 TO 2024/25

74% reduction



Knowsley Council has reduced its carbon emissions by **74%** since 2009/10.



Emissions from electricity usage have seen the **biggest decrease of 86%** since 2009/10.



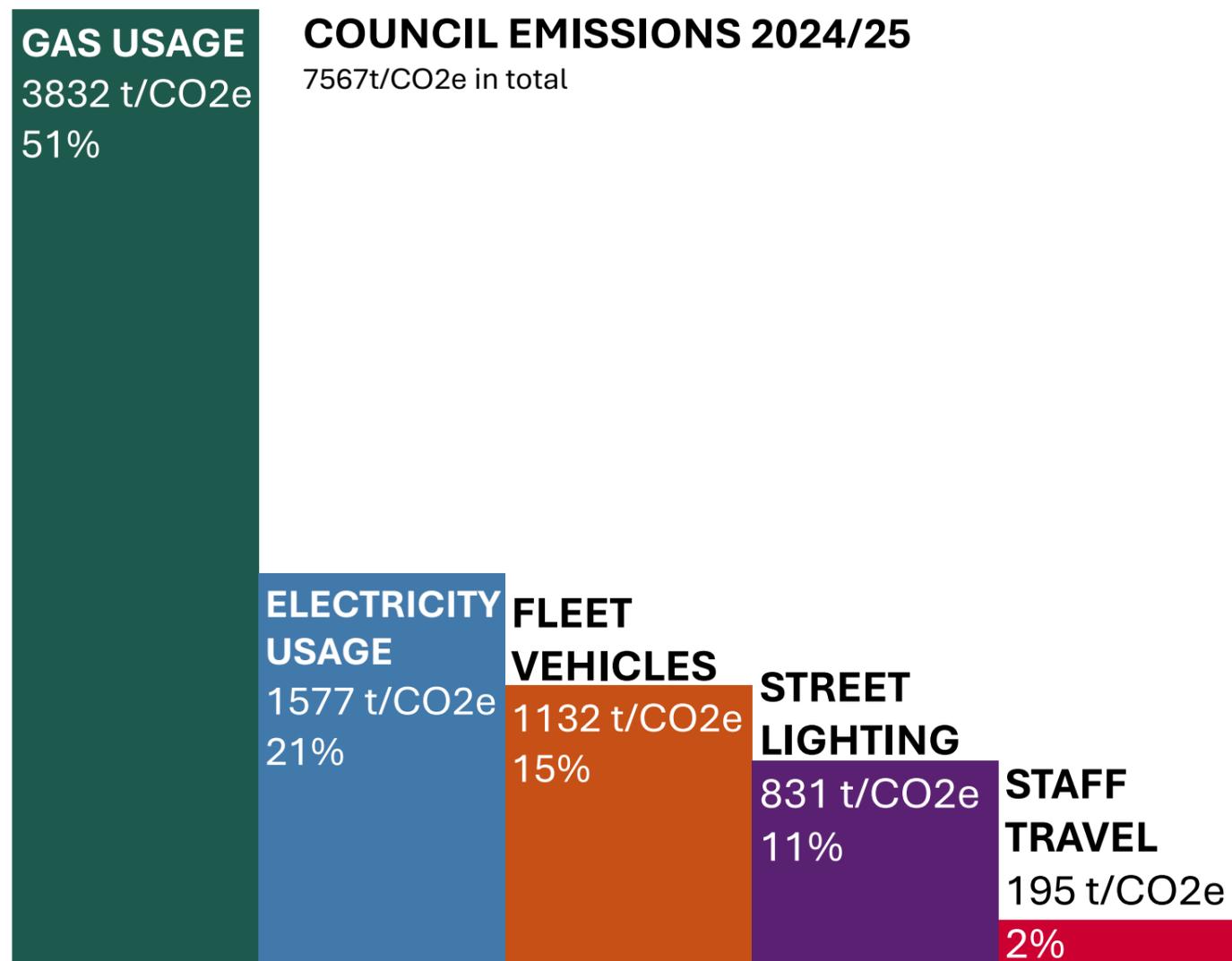
Emissions from gas usage have **reduced by 61%** since 2009/10 but still **contribute to over half (51%)** of total emissions.

# THE CLIMATE EMERGENCY IN KNOWSLEY

The data shows that Knowsley's major challenge to reach Net Zero comes from the decarbonisation of buildings and heating sectors.

Gas usage contributed to over half (51%) of Council emissions, followed by electricity (21%) in 2024/25.

Streetlighting, fleet vehicles and staff travel make up the remaining 28%. The Council recognises that emissions will need to be reduced in all sources to mitigate the impacts of the Climate Emergency.

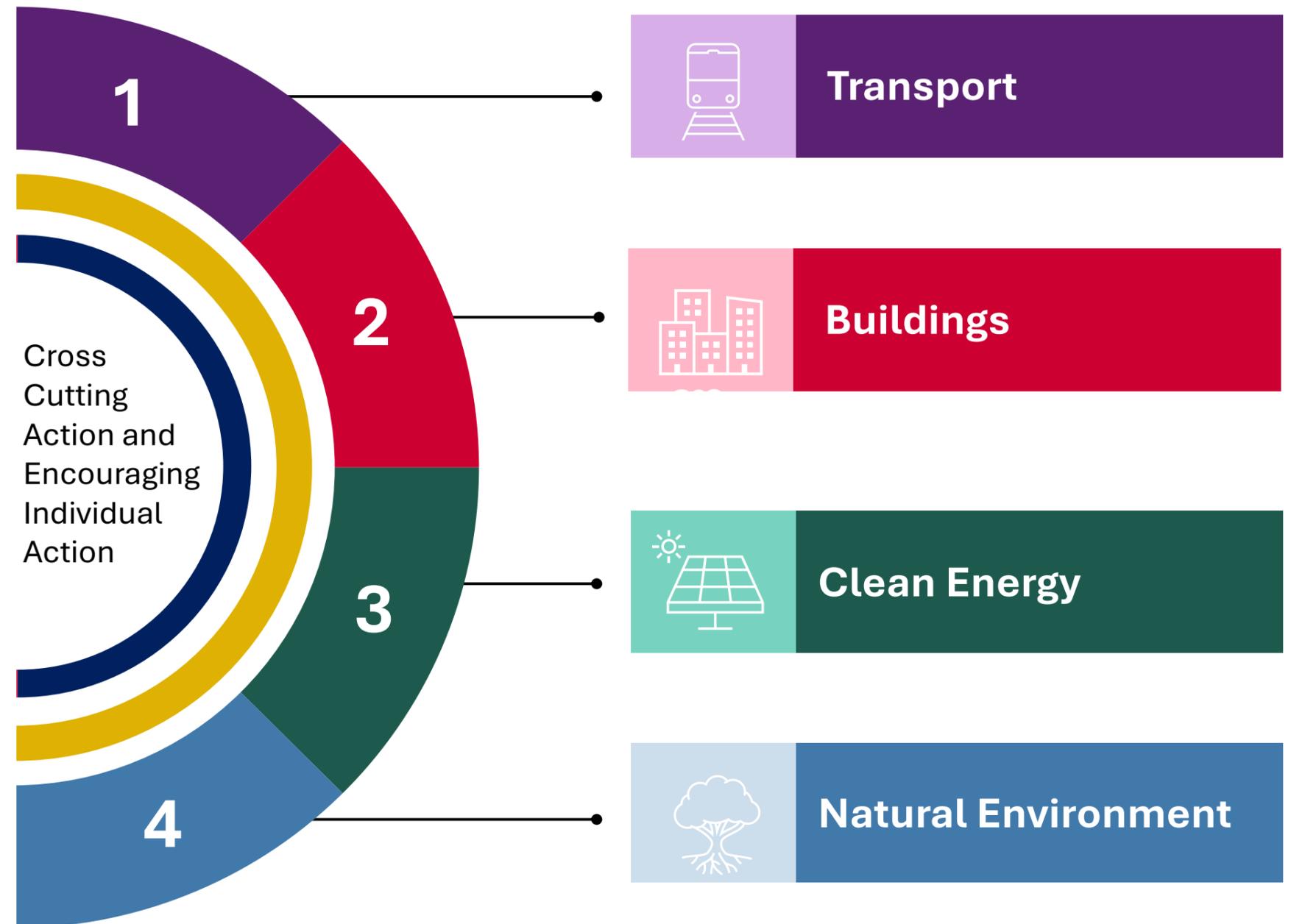


# THE NET ZERO DELIVERY PLAN

The Councils Net Zero Delivery Plan 2026-2030 focuses on key actions that will be taken to work towards becoming Net Carbon Zero by 2040. The plan covers four key priorities that align with the Liverpool City Region Combined Authority's Climate Action Plan, as well a fifth and sixth priority which look at cross cutting action and encouraging individual action.

The plan will cover the following priorities outlined in the graphic.

In the Liverpool City Region Combined Authority's Climate Action Plan, there is an additional pillar covering Industry; however, this pillar is covered in the Knowsley Place – Climate Delivery Plan and therefore does not feature.



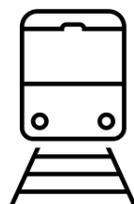
# KNOWSLEY'S PRIORITIES

## OUR PRIORITIES

## OBJECTIVE

## KEY ACTIONS

Transport



Reduce emissions from fleet vehicles and support a modal shift towards more sustainable staff travel, including greater use of active travel and public transport.

- Install electric vehicle charging points across the borough
- Continue to deliver the Fleet Replacement Programme.
- Deliver active travel routes and promote active travel campaigns

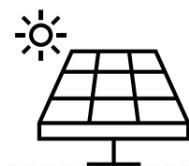
Buildings



Delivery of decarbonisation projects secured for Council buildings and an increase in renewable energy generation.

- Deliver Huyton HQ which will be net zero from construction.
- Deliver Public Sector Decarbonisation Scheme funded phase 3C and 4.
- Work in partnership with the Liverpool City Region Combined Authority to deliver solar PV schemes on several council buildings.

Clean Energy



Transition to clean, renewable energy through utilising solar PV and low carbon energy solutions.

- Explore new low carbon technology and grant funding opportunities such as the Heat Network Delivery Unit.

Natural Environment

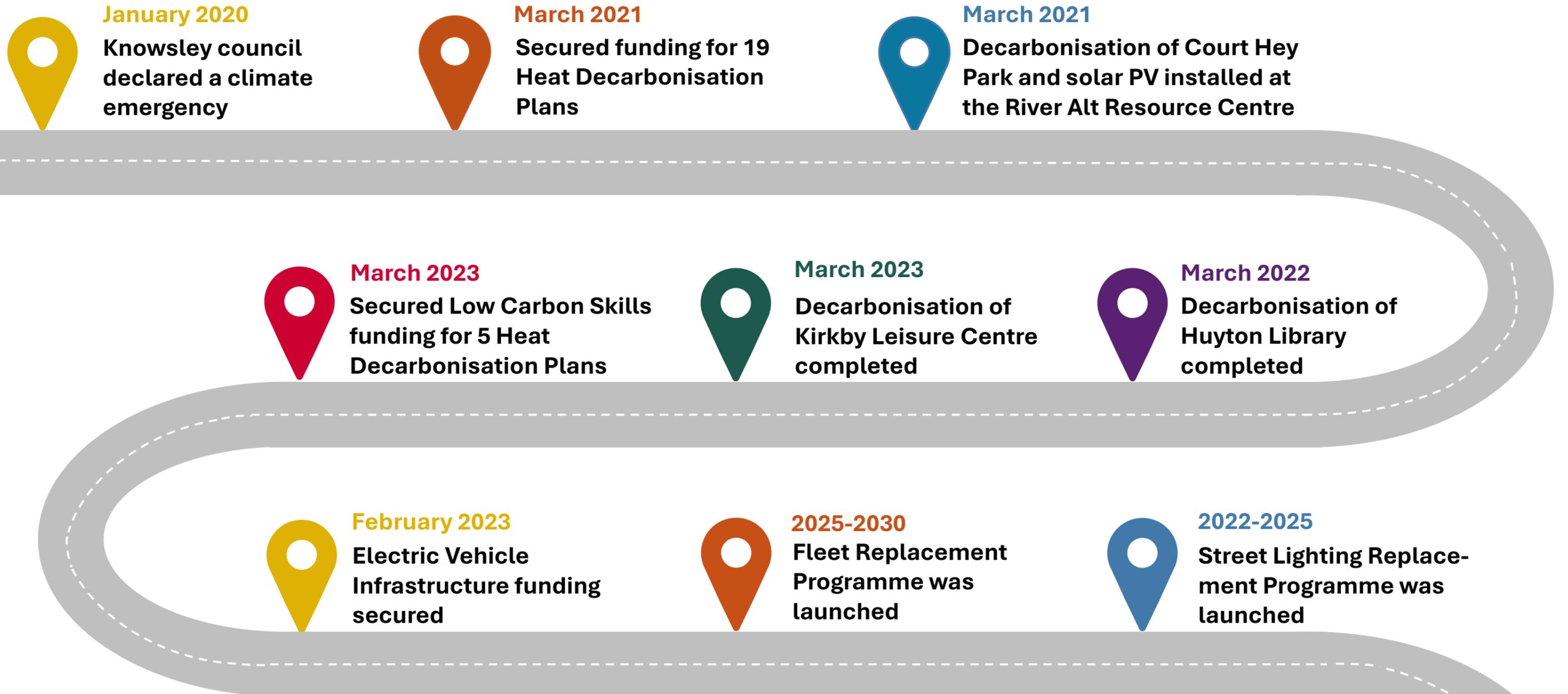


To maintain greenspaces and maximise their use for both education, engagement and active travel as well as increasing green infrastructure to mitigate the impacts of Climate change.

- Deliver the Council's Green Space Action Plan.
- Work with partners to secure funding and deliver woodland creation and tree planting projects.

# KNOWSLEY COUNCIL PROGRESS SO FAR AND FUTURE PROJECTS

As well as outlining the Council's current priorities up until 2030, it is important to recognise the progress the Council has made against the previous Net Zero Delivery Plan 2022-2025. The below timeline outlines some of the progress that has been made and future projects in place to reach Net Zero 2040.





**March 2025**  
School Climate  
Network Launched



**June 2025**  
Knowsley Climate  
Place Delivery Plan  
2030 Published



**June 2025**  
Climate Education  
Opportunities  
Programme



**March 2026**  
Decarbonisation of  
Stockbridge Village and  
Bewley Drive



**March 2026**  
Halewood Leisure  
Centre Decarbonisation  
complete



**March 2026**  
Schools Guide to  
Climate Action to be  
Published



**Spring 2026**  
Roll out Net Zero  
Training to Council  
staff



**January 2027**  
Publish an Energy  
Management Plan for  
Council buildings.

**NET CARBON  
ZERO 2040**



# Priority One: Transport

Toilet  
Tickets  
Way out

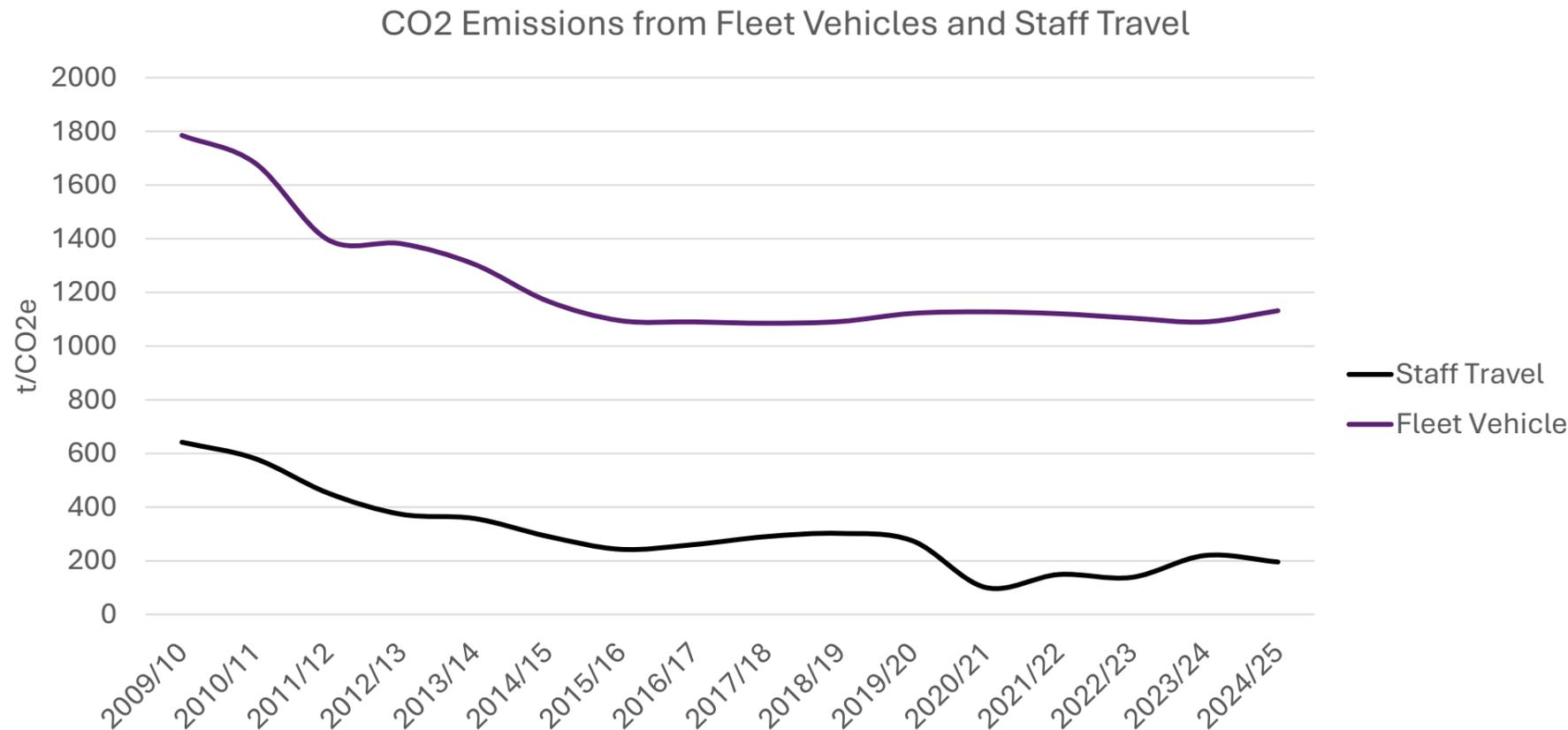
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## SUMMARY:

The Council's transport emissions primarily come from staff travel and fleet vehicles. Staff travel contributed to 2% of overall council carbon emissions and fleet vehicles contributed 15% in 2024/25.

Fluctuations in emissions from staff travel were expected following the return to office working following Covid-19. A drop was noticeable in the reporting period 2020/21 which was significantly influenced by Covid-19 restrictions, similar trends are visible in 2021/22. Following the return to office working, an increase in emissions was noted in 2023/24 however a drop was seen in 2024/25 by 12%. A staff travel plan was implemented in 2024, encouraging more sustainable modes of transport among Council staff.

Several measures have been introduced to ensure the Council's fleet operates as efficiently as possible, reducing fuel consumption, fuel costs and emissions. Vehicles are fitted with trackers to monitor braking and accelerating as well as smart technology to identify the most efficient collection routes. Drivers are also enrolled on courses that cover braking and idling to reduce fuel usage and carbon emissions.



Emissions from staff travel have reduced by **70%** since 2009/10.



Emissions from fleet vehicles have reduced by **36%** since 2009/10.



The Council will install **over 300** electric vehicle charging points across the borough.

There are still actions to be taken to reduce emissions from fleet vehicles and encourage staff travel as well as encouraging a modal shift to increase active travel and public transport options. The Council will take the below actions to reduce emissions from transport over the next several years:

REF	ACTION	TIMESCALE	RESPONSIBLE
T1	Introduce a trial electric pool car programme based at Stretton Way Depot.	2026	Environment Manager
T2	Install over 300 electric vehicle charge points as part of the Local Electric Vehicle Infrastructure Fund, including reviewing the opportunity for charge points in Council owned car parks.	2026-2027	Environment Manager and Group Manager (Highways)
T3	Create a database to encourage car sharing across the Council to decrease emissions from staff travel.	2026	Climate Emergency Manager
T4	Promote the Staff Travel Plan through a comprehensive communication campaign to encourage active and sustainable travel and the availability of electric and hybrid vehicles through the VivUp scheme.	2026	Climate Emergency Manager
T5	Continue to implement hybrid working to reduce staff travel and commuting emissions.	Ongoing	Executive Director of Communities and Neighbourhoods
T6	Smaller fleet vehicles are to be replaced with electric alternatives as part of the fleet replacement programme.	2030	Fleet Operations Manager
T7	Deliver the Electric Vehicle/Alternative Fuel Strategy.	2026	Executive Director of Communities and Neighbourhoods
T8	Review the results from a pilot trial to explore converting the existing fleet from diesel to hydrotreated vegetable oil (HVO) fuel, a less carbon intensive fuel.	2028	Fleet Operations Manager
T9	Identify funding to deliver schemes identified in the Local Cycling and Walking Infrastructure Plan.	2030	Group Manager (Highways)
T10	Deliver the below active travel routes: <ul style="list-style-type: none"> <li>Wilson Road</li> <li>Higher Road</li> <li>Moorgate Road/East Lancashire Road</li> </ul>	2030	Group Manager (Highways)

REF	ACTION	TIMESCALE	RESPONSIBLE
T11	Continue to maximise opportunities, via the Highways Maintenance Contract with Tarmac Trading Ltd, to use sustainable sources, green initiatives and environmental education and reducing carbon emissions.	2025-2030	Group Manager (Highways)
T12	Continue to work with schools to: <ul style="list-style-type: none"> <li>Promote and identify funding to support the Living Street WOW Scheme to promote active travel amongst schools as well as Walk to School Week and Bike Week.</li> <li>Assist in producing a School Travel Plan to reduce car dependency.</li> <li>Offer Bikability (national standard for cyclist training) to all primary schools, with 664 pupils in year 5/6 taking part in 2024.</li> <li>Deliver Road Safety sessions to encourage active travel and air quality improvements in schools.</li> </ul>	2030	Group Manager (Highways)
T13	Introduce School Streets Scheme - a trial traffic regulation order to promote active travel and reduce car dependency.	2025	Group Manager (Highways)
T14	Continue to apply for the Consolidated Active Travel Fund to support several measures such as new segregated cycleways, footways and toucan/puffin crossings.	2030	Group Manager (Highways)

### Case Study:

The Council are rolling out a fleet replacement programme, looking at the feasibility of replacing ageing fleet vehicles with low carbon alternatives such as electric vans. Currently, the Council have purchased three electric vans with plans to expand this provision.

There are also pilot trials of hydrotreated vegetable oil (HVO) fuel on several vehicles being rolled out over the next several years.





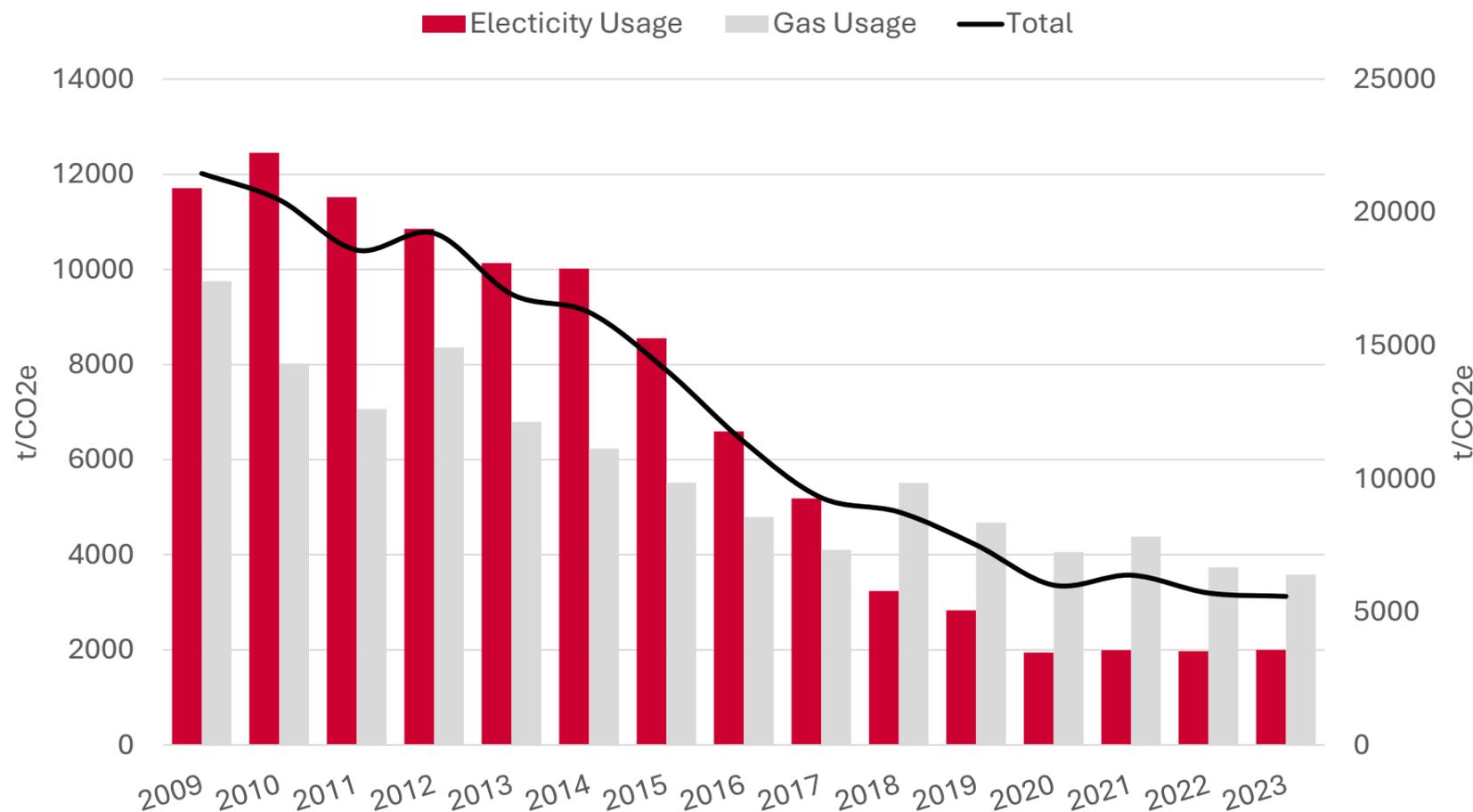
# Priority Two: Buildings

## SUMMARY:

Emissions from buildings come from electric and gas use at Council buildings, schools and Volair leisure centres. In 2024/25, 72% of the Council's total carbon emissions came from electric and gas usage in these buildings. Gas accounted for 51% of emissions and electricity 21%.

Significant progress has been made in reducing building-related emissions. Since 2009/10, emissions from electricity use have decreased by 86%, while gas emissions have fallen by 61%. This reduction can largely be attributed to the decarbonisation of three Council buildings: Kirkby Leisure Centre, Huyton Library, and Court Hey Park. Through building decarbonisation, fossil fuel use has been substantially reduced by replacing gas boilers with low-carbon technologies and installing solar PV systems.

The Council, in collaboration with the Liverpool City Region Combined Authority, has also successfully secured Public Sector Decarbonisation Scheme funding to decarbonise three additional Council buildings over the coming years, further reducing emissions from buildings.



In 2024/25, **72%** of the Council's total carbon emissions came from **electricity and gas usage**.



In 2024/25, **50%** of emissions from electricity and gas usage came from **schools**.



**Leisure Centres** contributed **35%** to overall emissions from gas and electricity in 2024/25.

**Alongside heat decarbonisation, the Council plans to take the following actions to reduce emissions from buildings:**

<b>REF</b>	<b>ACTION</b>	<b>TIMESCALE</b>	<b>RESPONSIBLE</b>
B1	Ensure that major construction works are Net Zero where feasible.	Ongoing	Head of Major Developments Team and Head of Assets
B2	Deliver phase 3C of the Public Sector Decarbonisation Scheme through the decarbonisation of Prescott Soccer Centre.	2027	Climate Emergency Manager
B3	Deliver the decarbonisation of Stockbridge Disability Resource Centre and Bewley Drive Resource Centre funded through Phase 4 of the Public Sector Decarbonisation Scheme.	2028	Climate Emergency Manager
B4	Promote home energy saving initiatives and collective energy switching schemes to Council staff.	2026	Group Manager of Housing
B5	Investigate feasibility of installing solar PV on an array of Council Buildings funded through a loan from the National Wealth Fund.	2026	Climate Emergency Manager
B7	Continue to identify and apply for external grant funding opportunities to decarbonise public buildings including schools.	Ongoing	Climate Emergency Manager
B8	Continue to work with the Liverpool City Region Combined Authority and North West Net Zero Hub to secure funding to complete decarbonisation measures across a variety of Council maintained buildings.	Ongoing	Climate Emergency Manager
B9	Retrofit council-owned properties with sustainable, energy-efficient solutions where feasible through the asset maintenance plan.	Ongoing	Head of Assets
B10	To deliver the Halewood Levelling Up Fund which includes the decarbonisation of Halewood Leisure Centre.		Head of Assets and Head of Major Developments Team

REF	ACTION	TIMESCALE	RESPONSIBLE
B11	Continue to review the Council's building portfolio and rationalise unused assets.	Ongoing	Head of Assets
B12	To deliver the new Huyton HQ which will be fully net zero once operational, subject to funding.	2030	Head of Assets and Head of Major Developments Team
B13	To explore sustainable town centres in Kirkby including ensuring buildings have sustainable energy generation systems.	2030	Head of Major Developments Team
B14	To develop an Energy Management Plan to improve energy efficiency across Council buildings.	2026	Climate Emergency Manager
B15	Work with utility providers to provide accurate real time data on water, electric and gas use in council buildings, to monitor and assess usage.	2026	Climate Emergency Manager

## Case Study

Knowsley Council has successfully secured £5m in funding from the Public Sector Decarbonisation Scheme both individually as a Council and through partnership bids with the Liverpool City Region Combined Authority. Through each phase of funding, the Council have successfully delivered the decarbonisation of Kirkby Leisure Centre, Court Hey Park and Huyton Library. The decarbonisation of Kirkby Leisure Centre led to a 71% reduction in CO2 emissions from the site since 2023.





**Priority Three:  
Clean Energy**

## SUMMARY:

The Council are working to transition to clean, renewable energy through utilising solar PV and low carbon energy solutions.

Currently, the Council generates a small percentage from renewable energy from roof mounted solar panels on several Council buildings including Kirkby Leisure Centre, River Alt Resource Centre, Court Hey Park and Huyton Library.

Prioritisation has currently focused on applying for external grant funding opportunities to complete these works. To utilise clean energy sources and move away from fossil fuels in all Council buildings and asset portfolio and investigate emergency technologies and policies such as Local Area Energy Plans and Heat Networks.



The Council generated over **600MWh of renewable energy** from Solar PV since 2022.



The Council has installed **948 amounts of Solar PV** across three buildings.



The energy generated from Solar PV is equivalent to planting **6961 trees**.

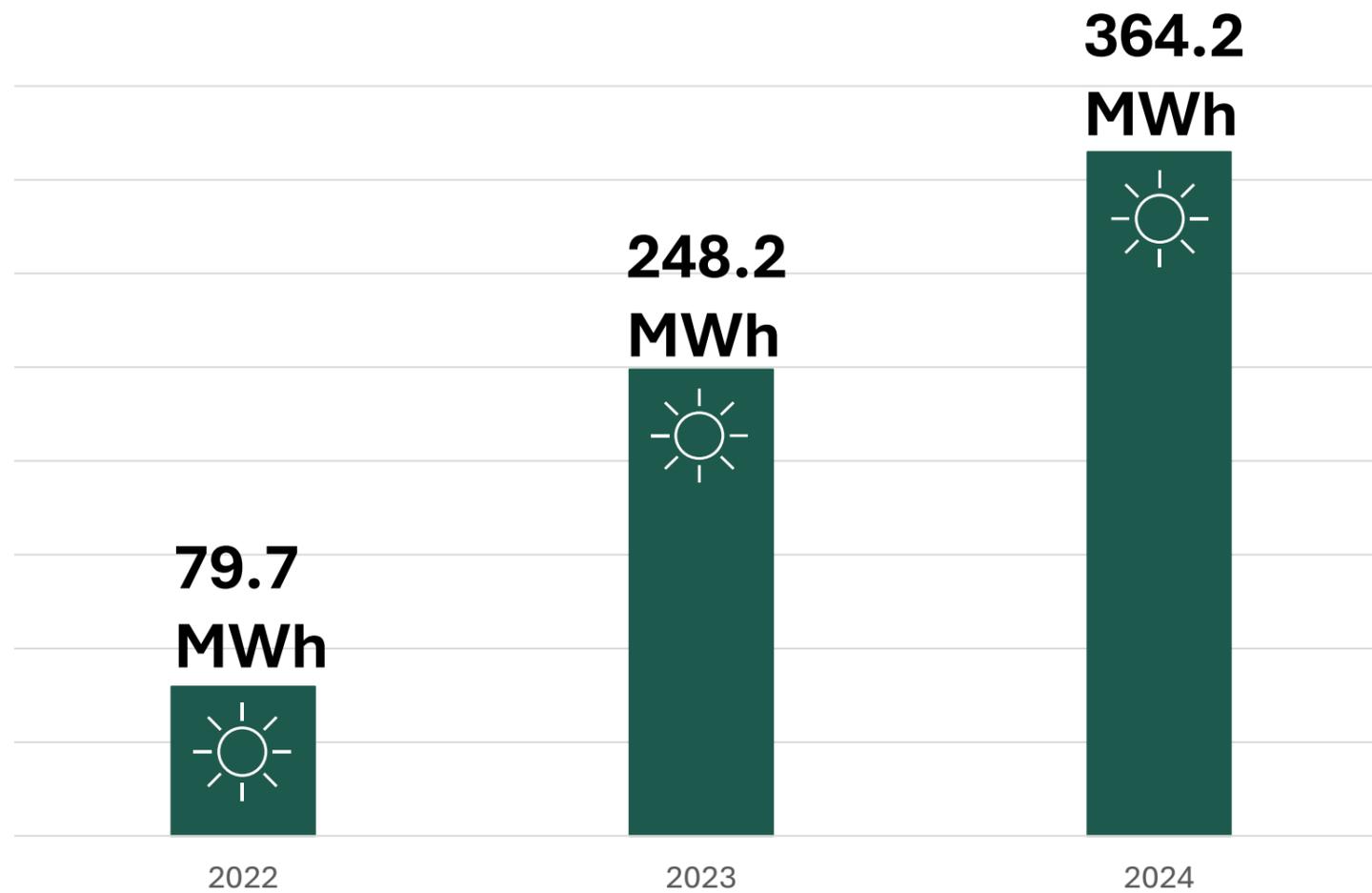


Figure X: MWh of energy generated from Solar PV on Council buildings

**The Council will take the following actions to increase clean energy generation:**

REF	ACTION	TIMESCALE	RESPONSIBLE
CE1	Where applicable, support the Liverpool City Region Combined Authority and partners with the Green Hydrogen Vision to identify hydrogen opportunities in the borough.	2030	Climate Emergency Manager
CE2	Explore funding opportunities to create a Local Area Energy Plan.	Ongoing	Climate Emergency Manager
CE3	Apply for Heat Network Delivery Unit funding to identify locations for a potential heat network development.	2026	Climate Emergency Manager
CE4	Continue to work with Liverpool John Moores University Growth Horizons team to use innovative technology to identify energy saving opportunities in Council buildings.	2026	Climate Emergency Manager
CE5	Promote the Liverpool City Region Combined Authority Solar Together scheme to Council staff and schools to increase the uptake of solar PV installations.	Ongoing	Climate Emergency Manager
CE6	Assess the impact of nationwide electricity grid decarbonisation on future energy use and carbon reduction targets.	Ongoing	Climate Emergency Manager
CE7	Assess regional and national proposals for sustainable heat generation.	Ongoing	Climate Emergency Manager
CE8	Investigate the feasibility of off-site sustainable energy projects as a means of offsetting the Council's own carbon emissions.	2027	Climate Emergency Manager

**CASE STUDY**

The Council has installed almost 1000 solar panels across four buildings in the borough. This is the equivalent to planting 6961 trees.





# Priority Four: Natural Environment

## SUMMARY:

The Council is responsible for the management and maintenance of 161 publicly accessible parks and green spaces.

Green spaces are not just an area to encourage active and sustainable travel but are also areas to engage in environmental behaviour change and education. They play a crucial role in both mitigating and adapting to climate change. Green spaces can reduce flooding, improve air and water quality and offer numerous health benefits.

Additionally, green spaces are an area where climate adaptation infrastructure can be developed to mitigate the effects of climate change such as prolonged periods of intense heat and increased intensity, and frequency of rain fall.

It is important to maintain and enhance green spaces to maximise their value for education, community engagement, and active travel, while also expanding green infrastructure to help reduce the impacts of climate change.

The Council will take the following steps to maximise the boroughs green spaces:



Knowsley has 20 parks that have been awarded with the Green Flag award.



In the last two years, over 14,000 new trees have been planted as part of various schemes. This figure includes both native woodland planting and individual street tree and parkland planting.



<b>REF</b>	<b>ACTION</b>	<b>TIMESCALE</b>	<b>RESPONSIBLE</b>
NE1	Delivery of the Councils Green Space Action Plan 2026-2030 which focuses on improving the Councils green spaces.	2026-2030	Green Infrastructure Manager
NE2	Continue to focus on reducing the risk and impact of flooding in green spaces by identifying and installing suitable infrastructure such as Sustainable Urban Drainage Systems (SUDs).	Ongoing	Technical Manager
NE3	Delivery of the Natural Flood management programme with a variety of measures such as: <ul style="list-style-type: none"> <li>• Woodland management works</li> <li>• Inland channel improvements and reprofiling of rivers</li> <li>• Instillation of leaky dams.</li> </ul>	2027	Head of Environmental Sustainability and Communities
NE4	Delivery and development of the Tree Policy which will detail how the Council will approach the management of trees owned by the Council.	2026	Head of Environmental Sustainability and Communities
NE5	Support the delivery of the Mersey Forest Plan which will increase tree coverage in the borough as a key target.	Ongoing	Head of Environmental Sustainability and Communities
NE6	Develop a Net Zero/sustainability standard that all green space masterplans should consider to ensure sustainability is at the heart of all green space developments.	2027	Head of Environmental Sustainability and Communities
NE7	Work with 'Friends of Parks' Groups and local volunteers to develop projects that will protect and enhance Knowsley's parks and green spaces.	Ongoing	Head of Environmental Sustainability and Communities
CC13	To continue to deliver the Flood Maintenance Plan.	Ongoing	Head of Environmental Sustainability and Communities
CC14	To prepare for the introduction of the Sustainable Urban Drainage Advisory Board.	2026	Head of Environmental Sustainability and Communities and Head of Highways

An aerial photograph of a golf course. A large, vibrant green fairway is the central focus, with a winding, light-colored path curving through it. The fairway is bordered by dense, lush green trees and shrubs. In the background, a line of trees marks the horizon under a sky filled with soft, white and grey clouds. The overall scene is peaceful and well-maintained.

**Priority Five:  
Cross Cutting Action**

**Some of the actions the Council need to take cut across all of the five pillars. These actions cover areas such as engagement; behaviour change and climate literacy:**

<b>REF</b>	<b>ACTION</b>	<b>TIMESCALE</b>	<b>RESPONSIBLE</b>
CC1	To continue delivery the School Climate Network including facilitating engagement workshops with external partners such as Let's Go Zero and the Schools Climate Action Workshop.	2030	Climate Emergency Manager
CC2	To develop a School's Guide to Climate Action to support schools in their decarbonisation journey.	2026	Climate Emergency Manager
CC3	Explore engagement opportunities with community organisations to establish what support can be offered by the Climate Emergency Team.	2026	Climate Emergency Manager
CC4	To monitor the progress of the Air Quality Strategy which aims to support the reduction of domestic, commercial and industrial emissions.	2027	Environmental Health Service Manager
CC5	Produce an annual performance report on carbon emissions reduction and progress made to date on the Net Zero target.	2030	Climate Emergency Manager
CC6	Undertake research in respect of accredited carbon offsetting schemes to determine how this can be used to contribute to the net zero carbon target.	2026	Climate Emergency Manager
CC7	Undertake an annual review of this Action Plan to ensure that it remains current, relevant and effective as work on the Climate Emergency Agenda evolves.	Ongoing	Climate Emergency Manager
CC8	To deliver Net Zero Training across the Council to ensure Council staff are equipped with the knowledge and skills to understand, implement and achieve the Council-wide target of Net Zero 2040.	2026	Climate Emergency Manager
CC9	Deliver a comprehensive communication and engagement campaign to ensure both staff and residents are education on the impacts of the climate emergency, including: <ul style="list-style-type: none"> <li>• Continued delivery of the Schools Climate Network</li> <li>• Active Travel Campaigns</li> <li>• Climate Champions Scheme</li> </ul>	2030	Climate Emergency Manager

REF	ACTION	TIMESCALE	RESPONSIBLE
CC11	<p>Enable and support the Recycling and Engagement team to:</p> <ul style="list-style-type: none"> <li>• Ensure that all council buildings are equipped with facilities to support reuse, repair, and refill activities.</li> <li>• Create a behaviour change campaign that focuses on doorstep education and support to increase recycling rates in the borough</li> <li>• Develop a comprehensive communication campaign to support residents in the shift to Simpler Recycling</li> <li>• Develop a programme to support schools in securing recycling bins and developing an educational and awareness programme</li> <li>• Explore a partnership with local recycling groups to encourage circular economy in textiles</li> <li>• Develop relationships with Registered Social Landlords to engage with tenants to increase recycling rates, specifically in multi occupancy housing</li> </ul>	2026	Head of Waste and Street Scene
CC12	Support the delivery of the Health and Wellbeing Action Plan.	2026	Public Health

## CASE STUDY

The Climate Emergency Team have partnered with Let's Go Zero to deliver School Climate Action Plan Workshops. The workshops aim to help schools begin to construct their climate action plans with support from the Climate Emergency Team and Let's Go Zero. This forms part of the wider School Climate Network with a bi-monthly newsletter sent out to schools informing them of climate related funding opportunities, sharing best practice and promoting climate and energy related activities.



A young tree sapling with green leaves and a dark trunk is the central focus in the foreground. It is supported by a light-colored wooden stake. The sapling is planted in a field of numerous small yellow wildflowers. In the background, there is a line of trees and several houses under a clear blue sky.

# **Priority Six: Encouraging Individual Action**

The Council recognises that reaching the Net Zero target is a Council wide effort and that individual action can significantly contribute to reaching this target. The below actions will be taken to increase and encourage individual action:

REF	ACTION	TIMESCALE	RESPONSIBLE
IA1	Continuation of Ranger led events in parks and green spaces including environmental awareness raising, and encouragement for walking and cycling through 'Pedal Away' events.	Ongoing	Engagement and Volunteer Manager
IA2	Deliver a comprehensive communication plans that delivers Net Zero messages to staff.	2026	Engagement and Volunteer Manager
IA3	Review and improve the corporate council webpages on climate action to ensure plans, policies and update are easily accessible.	2026	Climate Emergency Manager
IA4	Undertake regular staff surveys to identify ideas, issues and solutions on the changing climate agenda.	Ongoing	Climate Emergency Manager

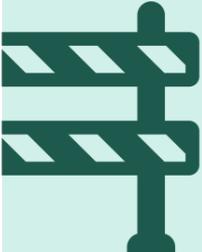
## CASE STUDY

The Woodland Creation Programme 2023-2025 has seen the planting of over 14,000 across Knowsley, alongside a community orchard programme which has created 4 orchards in partnership with local park groups. Overall, the programme has engaged over 1,000 residents through both digital and in person opportunities to enhance education practice on environmental awareness and taking ownership of parks and greenspaces – a key agenda towards Net Zero. The impact of these initiatives can be felt with our commitment to continue exploring funding options such as through Mersey Forest, Woodland Trust, DEFRA and other organisations to invest in and sustain community planting schemes across Knowsley.



# THE CLIMATE EMERGENCY IN KNOWSLEY

It is recognised that there are a wide range of potential barriers and challenges to tackling the climate emergency and reaching Net Zero by 2040.

 <b>Capacity and Skills</b>	<ul style="list-style-type: none"><li>• Capacity within the Climate Emergency Team.</li><li>• Apprentice pipeline.</li><li>• Supply chain issues with limited manual capacity and shortage of equipment for example through the Public Sector Decarbonisation Scheme.</li><li>• Technological changes increase the risk of obsolete technology with short life cycles such electric vehicle charging points.</li></ul>
 <b>Economic Investment</b>	<ul style="list-style-type: none"><li>• Limited commercialisation of low-carbon technologies.</li><li>• Limited external grant funding opportunities for large scale projects.</li><li>• Cost prohibitions of new and emergency technologies.</li><li>• Internal budget limitations.</li><li>• Availability of alternative investment options e.g. municipal bonds</li></ul>
 <b>End-User Barriers</b>	<ul style="list-style-type: none"><li>• Education and behaviour change gaps on why technology is needed and changing consumer habits.</li><li>• Staff priorities and ensuring net zero is embedded across all services.</li></ul>
 <b>National Barriers</b>	<ul style="list-style-type: none"><li>• Lack of national grid capacity to enable the electrification of the energy systems both regionally and locally.</li><li>• Lack of grid flexibility to storage excess renewable energy.</li><li>• Roll-back of government funding schemes such as the Public Sector Decarbonisation Scheme and Low Carbon Skills Fund.</li></ul>



*Knowsley Council*

KNOWSLEY  
TAKING ACTION ON  
**Climate**   
**Change**