

Net Zero Strategy and Action Plan

Our path to a new energy and cost efficient future



HARTLEPOOL
BOROUGH COUNCIL

Why this strategy is needed

The scientific consensus regarding climate change is unequivocal - we must take immediate and decisive action to reduce our global carbon emissions urgently.

Our goal is for Hartlepool Borough Council to stop all contributions to climate change by 2050 and demonstrate leadership to other places both locally and globally.

The Net Zero Strategy and Action Plan sets out what we need to achieve and how we are going to achieve it.



Key Facts

1.04°C

Average rise in global land and sea temperatures since the late 19th Century



426.5 million

Tonnes of CO₂ equivalent greenhouse gas emissions in UK in 2021



3rd Highest

Hartlepool's rank out of 12 North East LA's for GHG emissions per capita



2050 target

HBC net zero emissions target and legally binding target for UK emissions



Council Emissions



5,503 tCO₂e

Hartlepool Borough Council Emissions in 2022/23

2,457 tCO₂e

Emissions from gas in 2022/23 (44.7% of total emissions)



1,402 tCO₂e

Fleet emissions in 2022/23 (25.5% of total emissions)



1,360 tCO₂e*

Emissions from electricity consumption in 2022/23 (24.7% of total emissions)



*HBC purchases low carbon electricity supplied wholly by renewable sources

Our Current Carbon Footprint



Total emissions from council activity rose in the 2019/20 financial year and have since fallen though figures for 2020/21 were likely impacted by the Covid-19 pandemic.

The latest figures show a 4.8% annual reduction in emissions which is equivalent to 278 tonnes of CO₂.



Our Achievements

Hartlepool Borough Council has already been delivering important actions to tackle the climate crisis and to decarbonise our operations. These include:

2018



Year Local Plan adopted including a range of climate change policies

2021



Adopted our first Climate Pledge

£2,476,000



Secured in funding to deliver home energy efficiency improvements



244

Home improvement measures delivered

£272,500



Secured to retrofit 4 council buildings



100%

Of HBC street lighting uses energy efficient LED bulbs

0

Exceedances of any air quality objectives



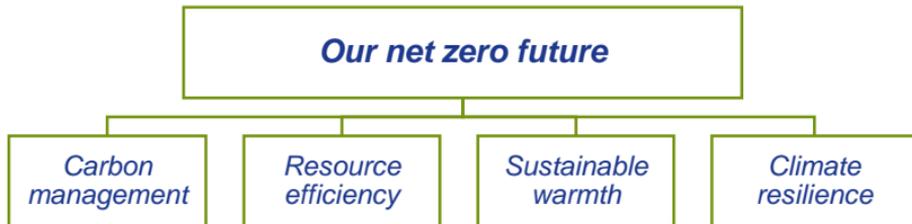
28.9 tCO₂e

Emissions from street lighting



Our Vision for a Low Carbon Future

Our ambition is for Hartlepool to be a thriving, green and low-carbon neighbourhood and economy. In addition to the Council Plan, the council's net zero strategy is guided by the following overarching vision for effective carbon management, resource efficiency, sustainable warmth and climate resilience.



Our Aims and Objectives

Reduction of local authority CO₂ emissions

- Reduce energy demand and improve energy efficiency
- Increase sustainable energy capacity
- Reduce fleet emissions
- Work with people to inspire change

Resource maximisation & waste reduction

- Sustainable purchasing and procurement of goods and services
- Improve waste management to maximise use of existing resources

The natural environment

- Maintain good local air quality
- Protect existing natural habitats
- Expand and connect natural habitats and increase tree cover

Climate resilience and adaptation

- Adapt the built and natural environment to current and future climate change impacts
- Review our progress on net zero
- Work towards sustainable development

Domestic energy and sustainable warmth

- Improve domestic energy efficiency to reduce energy demand
- Support shift towards sustainable energy in the domestic sector

Our Action Plan

A snapshot of the action plan is shown below. To view the action plan in full, please visit our Net Zero webpage by scanning the QR code.



Aim: Reduction of Local Authority CO2 Emissions

Objective 1 - Reduce energy demand and improve energy efficiency

Ref	Action	Target Date	Deliverability	Carbon Reduction	Cost	Action Owner
1.01	Climate Impact Assessment tool to be required on all future capital project developments	2024	3	4	£	Strategic Development
1.02	Decarbonisation and emissions reductions targets to be embedded in the Strategic Asset Management Strategy to rationalise assets and reduce carbon emissions	2025	5	4	££	Estates and Asset Management
1.03	For Council Assets anticipated to serve 10 years or longer - undertake feasibility studies on assets and develop investment plans for energy efficiency improvements including retrofit works and low-carbon technologies with a target of 20% carbon emissions savings of current emissions	2028	4	5	££	Estates and Asset Management
1.04	Review existing Heat Decarbonisation Plan and identify priority assets that require immediate retrofit works to achieve 10% savings on current carbon emissions	In progress	5	4	££	Estates and Asset Management
1.05	Evaluate potential financial investments for invest-to-save projects on a case-by-case basis	In progress	4	5	££	Finance
1.06	Expand the de-illumination of road signs and bollard lighting units	2030	1	1	£££	Highways and Engineering
1.07	Continue to investigate the feasibility of other solutions to further reduce street light energy consumption	In progress	1	2	£	Highways and Engineering

'Deliverability' considers all factors on the ease of implementation of the action and how it addresses the aim it sits under. 'Carbon reduction' estimates the potential carbon savings/reductions in the long term. 'Cost' looks at the estimated expected financial cost the action is likely to incur.



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