

Derbyshire County Council Climate Change Strategy: Annual Review of Progress

November 2022

Overview

- The **Derbyshire County Council Climate Change Strategy: Achieving Net Zero (2021-2025)** was approved by Cabinet on 14 October 2021
- The Cabinet report committed to an annual summary of progress to Cabinet against delivery of the Strategy and the Council's net zero targets.
- The Annual Report is an agenda item for Cabinet on 8 December 2022.

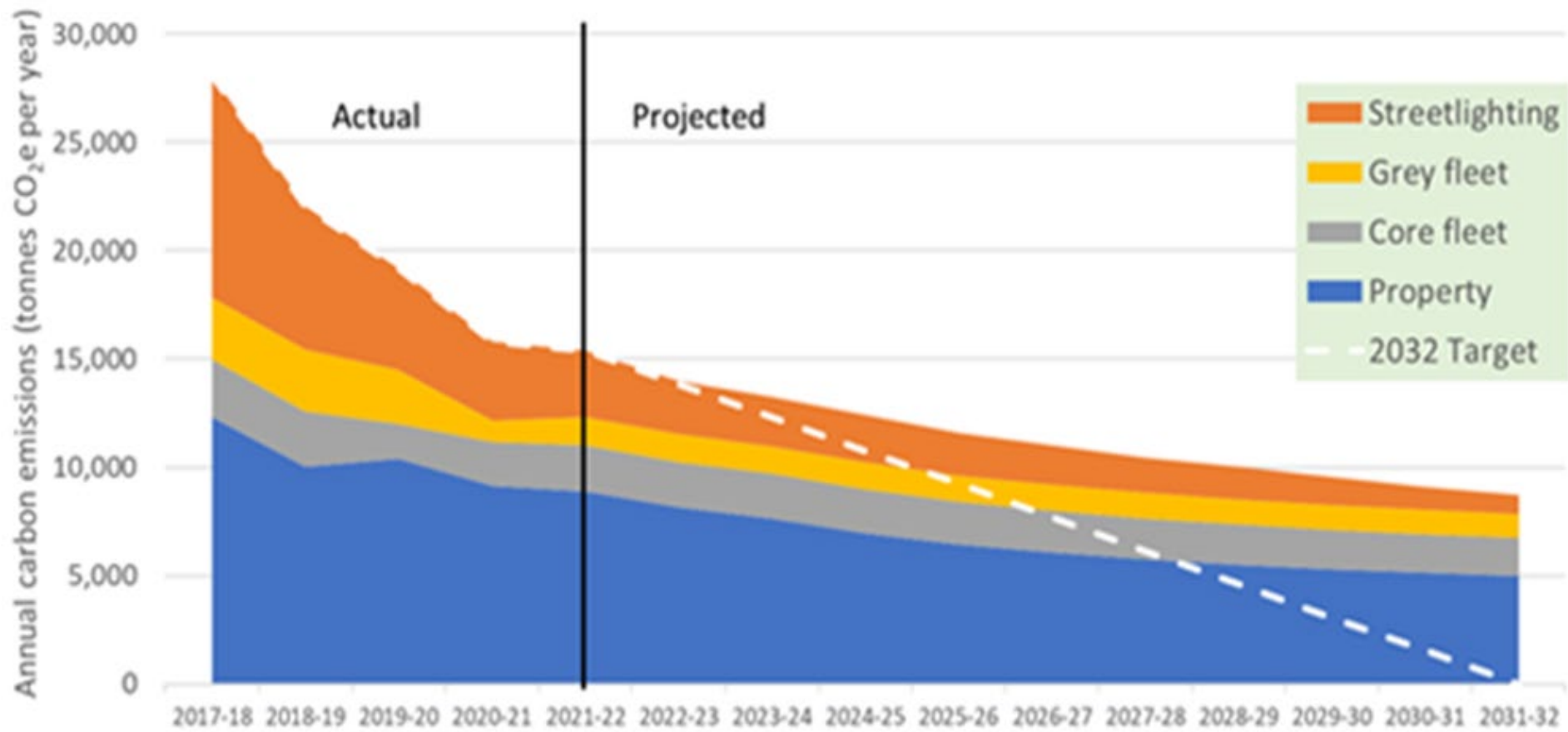
Report Structure

1. Relevant national and regional policy, legislation and governance changes and updates over the past 12 months.
2. Progress being made against the Council's net zero target of 2032, or sooner, and the county's net zero target of 2050.
3. Progress being made against each target and action within the Strategy
4. Details on other key projects, initiatives and schemes that are contributing to the Council's climate change agenda.

Policy and governance changes

1. Net Zero Strategy: Build Back Greener
2. Environment Act 2021
3. Updated Building Regulations for England
4. East Midlands Devolution Deal
5. Cost of living

Council Emissions



64% reduction in emissions between 2009/10 and 2021/22

1% reduction in emissions between 2020/21 and 2021/22

Council Emissions – Key Points

	Greenhouse Gas Emissions 2009-10 to 2018-19 (tonnes CO ₂ e)				
Year	Property (excl. schools)	Street & road lights	Core Fleet	Grey Fleet	Total (excl. schools)
2009-10 (baseline)	15,666	18,121	4,590	4,590	42,966
2020-21	9,126	3,667	2,026	989	15,807
2021-22	8,861	3,070	2,140	1,307	15,378

Property: 43% reduction since 2009/10, 3% reduction since 2020-21

Streetlighting: 83% reduction since 2009/10, 16% reduction since 2020/21

Core Fleet: 53% reduction since 2009/10, 6% increase since 2020/21

Grey Fleet: 71% reduction since 2009/10, 32% increase since 2020/21

Council Emissions Projections

- Modelling undertaken based on confirmed and planned activities and strategies.
- There will be a potential shortfall in the necessary emissions reduction of **8,710 tonnes CO₂e** by 2031/32.
- Almost 60% of these residual emissions will be from the Council's corporate estate.
- Some of these residual emissions are likely to be offset through renewable energy generation and carbon sequestration (tree planting etc).
- However, the focus needs to remain on reducing emissions.

Steps being taken

- **Corporate Property:** Commissioning of external specialist support to help with the preparation of a Carbon Reduction Strategy (Corporate Property) to 2032. Exploration of heat decarbonisation opportunities.
- **Streetlighting:** LED replacement programme completion.
- **Core Fleet:** Vehicles replaced by the most energy efficient alternatives. Installation of new charging infrastructure at Council offices and depots is crucial and being explored.
- **Grey Fleet:** Schemes to increase the number of staff using pool car EVs and personal EVs, behaviour change to reduce mileage.

Derbyshire Emissions

- County-wide target to reach net zero by 2050.
- Annual data provided by BEIS (2020 most recent data set).
- 99% of emissions are outside the County Council's direct control.
- 44% of emissions come from the county's industrial sector.
- 7% reduction in county emissions between 2019 and 2020, with the biggest reductions seen in transport (-18%) and commercial (-10%) sectors.
- Approx. 34% reduction in county emissions between 2005 and 2020.

DERBYSHIRE'S EMISSION REDUCTION TARGET

2025	-47%
2030	-63%
2035	-72%
2040	-81%
2045	-91%
2050	-100%

Targets - Overview

Strategy Theme	Good	Review	Action
Council Estate and Operations	4	2	2
Low Carbon Economy	3	3	0
Decarbonising the Domestic Sector	2	1	1
Transport, Travel and Infrastructure	2	1	3
Waste	1	1	1
Total	12	8	7

ACTION rated targets:

- The Council will switch its existing electricity tariff to a 100% renewable electricity tariff by 2023 with an optional buy-in for schools.
- Reduce emissions from heating buildings to less than 700tCO₂e by 2032.
- All existing owner occupier domestic properties EPC rating C by 2035.
- Double the number of people cycling regularly as a mode of transport from 106,000 in 2016 to 212,000 by 2030.
- Reverse the decline in bus travel and increase total journeys to 30 million per year by 2023 (from 21 million in 2019).
- Reduce HGV emissions in the county by 50% by 2035 against baseline.
- Reduce household waste production by 20% by 2025 against 2015 baseline.

Priority Actions - Overview

Strategy Theme	Good	Review	Action
Council Estate and Operations	6	2	1
Low Carbon Economy	2	5	0
Decarbonising the Domestic Sector	3	3	0
Transport, Travel and Infrastructure	4	2	0
Waste	2	2	0
Total	17	14	1

ACTION rated priority action:

- Deliver Public Sector Decarbonisation Schemes and evaluate to inform further work.

Steps also being taken to bring the 14 **Review** rated actions back on track, particularly those that have the potentially biggest negative impact on achieving net zero targets if not achieved.

120 Long-List actions reviewed rationalised – now a Long-List of 30

Other achievements this year

- Vision Derbyshire Climate Change Strategy and Action Plan
- Sustainable Procurement Policy
- Single Use Plastics Policy and Action Plan
- Renewable Energy Study
- Natural Capital Strategy
- Climate Change Risk, Resilience and Adaptation
- Decarbonising Derbyshire's housing
- Derbyshire Youth Network Climate Change Action Plan

Concluding Points

- To-date, the Council has made good progress towards its net zero target.
- However, the speed of reduction is slowing and a shortfall is possible based on confirmed and planned activities.
- Further effort is required to reduce emissions, particularly from heating Council buildings and emissions from core and grey fleet.
- Ongoing corporate and political commitment is needed to ensure the necessary speed of action.
- A significant number of targets and actions are on track, and action is being taken to address any targets and actions currently not on track.
- The Climate Change and Environment Programme Board will continue to oversee performance.