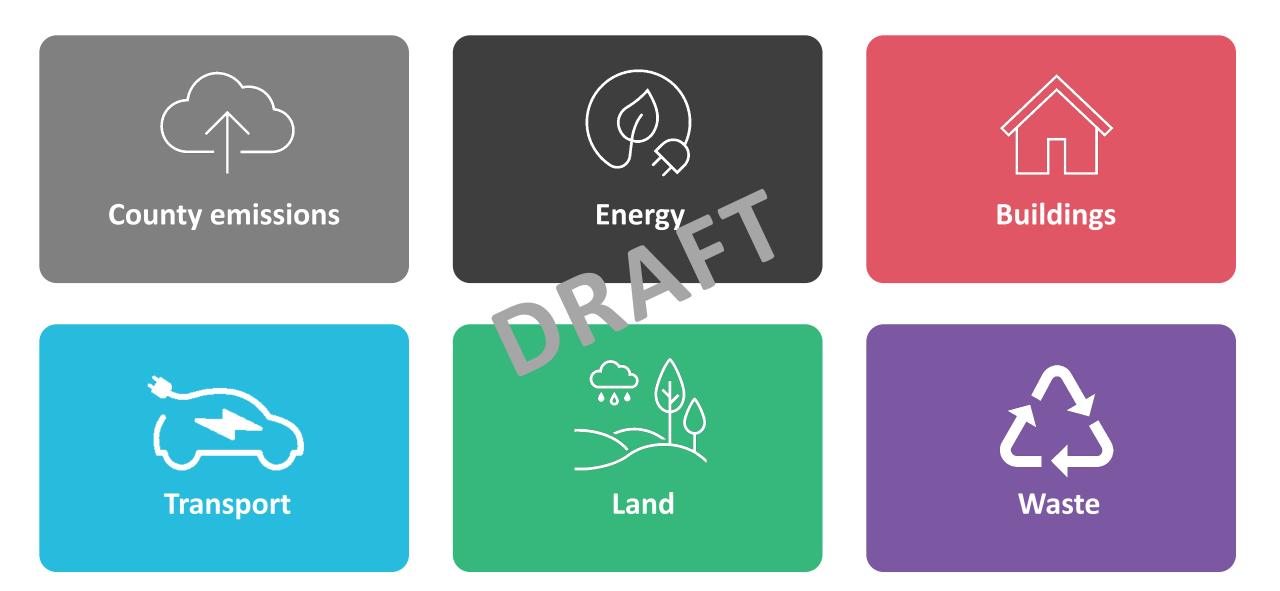


ŶŶŶ.

Dorset Council **Climate and Nature Monitoring dashboard** Autumn/Winter 2024

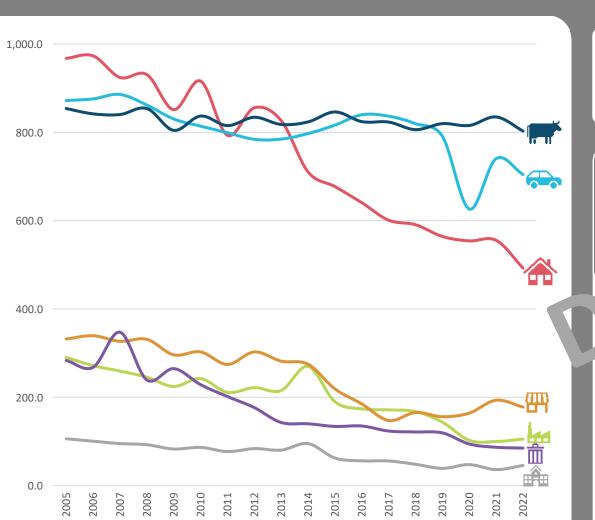
Climate Change | Carbon Neutral Dorset Biodiversity Loss | Nature Positive Dorset Adaptation | Resilient Dorset

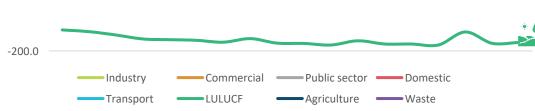
 $\langle \equiv \rangle$



County Emissions | Total and trend

$\langle \equiv \rangle$





Total emissions, 2022

2,233.8 ktCo2e

Annual change, 2021-2022

-5.55% Shuter m trailed: Dorset's emissions reduced v 5. 5% 21.4 kt) during 2021-2022 – mpured to 4.9% for the SW and 5.5% for england.

Medium-term trend: Dorset's emissions reduced by 8.72% (213kt) since our baseline year of 2019 – compared to 9.9% for the SW and 10.6% for England.

Long-term trend: Emissions reduced by 37.1% (1319.6 kt) since 2005 – compared to 41.2% for the SW and 42.8% for England.

Dorset's emissions are therefore reducing at a similar but marginally slower pace than the regional and national averages.

Per capita emissions, 2022

5.8 tCO2e

SW average: **5.2** England average: **5.1**

Dorset ranks **207th out of 296** council areas in England by per capita emissions. (The lowest is Hackney at 2.2, and the highest the City of London at 55.2)

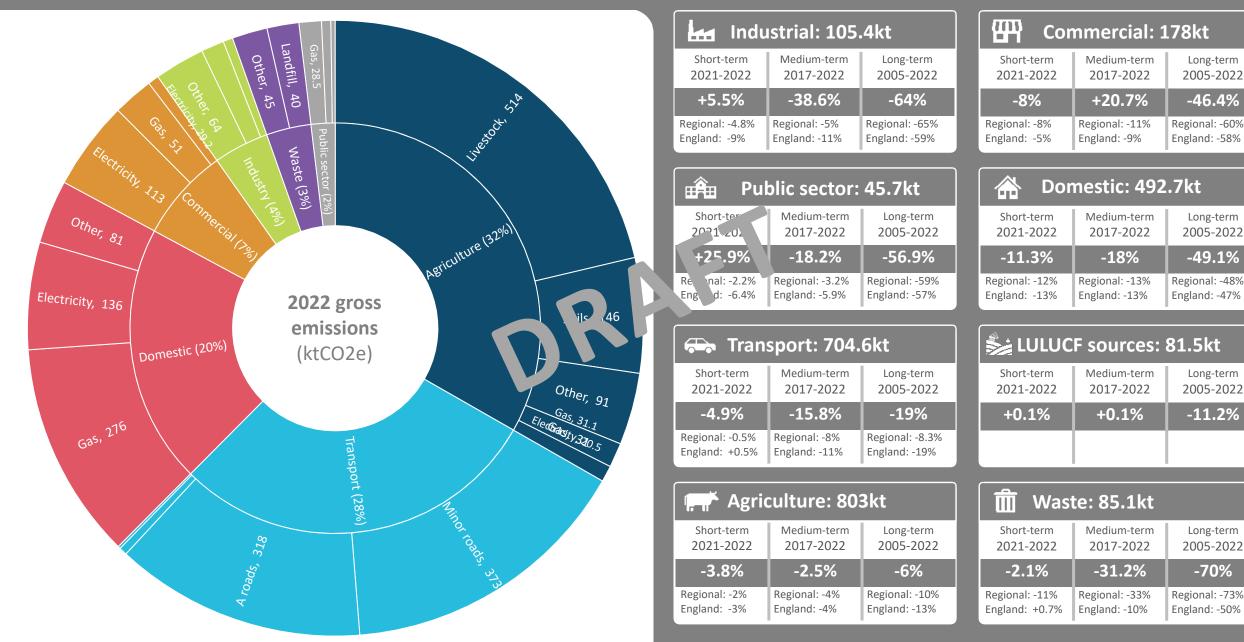
Emissions per km2, 2022 **0.9 ktCO2e**

SW average: 1.2 England average: 2.2

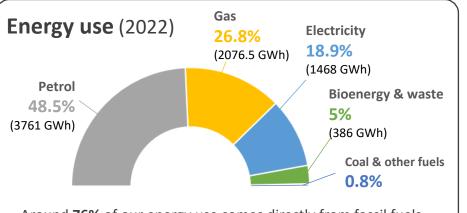
Dorset ranks **26th out of 296** council areas in England by per capita emissions. (The lowest is Northumberland at 0.4, and the highest is the City of London at 190.1.)

County Emissions | Sectoral breakdown









Around 76% of our energy use comes directly from fossil fuels with more indirectly through electricity. That has barely changed from 2005, when it was 79.5%.



663 GWh per 100,000 people is used by households - compared to 596 regionally and 617 in England. Locally this reduced by 8.5% from 2021-22, and by 25.8% from 2005-2022.



582 GWh per 100,000 people is used by industry and commerce – compared to 584 regionally and 796 in England. Locally this reduced by 1.3% from 2021-22, and by 12.6% from 2005-2022.



795 GWh per 100,000 people is used for travelling – compared to 796 regionally and 689 in England. Locally this reduced by 0.8% from 2021-22, and by 5.3% from 2005-2022.

Renewable generation (2022)

328.4 GWh

of renewable energy was generated locally in 2022 – up 5.3% on 2017.

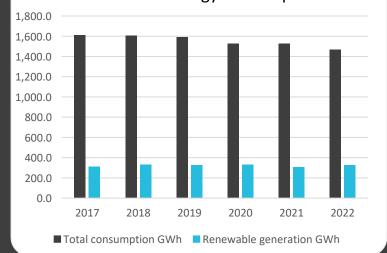
That was equivalent to

22 4%

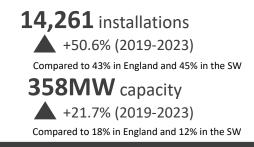
ect city is mption, and of our

or our total energy consumption

.%



Renewables infrastructure (2023)





Solar (99.6%) **14,207** installations 344.7 MW capacity





Onshore Wind (0.3%) **26** installations 0.9 MW capacity



Hydro (0.03%) **11** installations 0.1 MW capacity

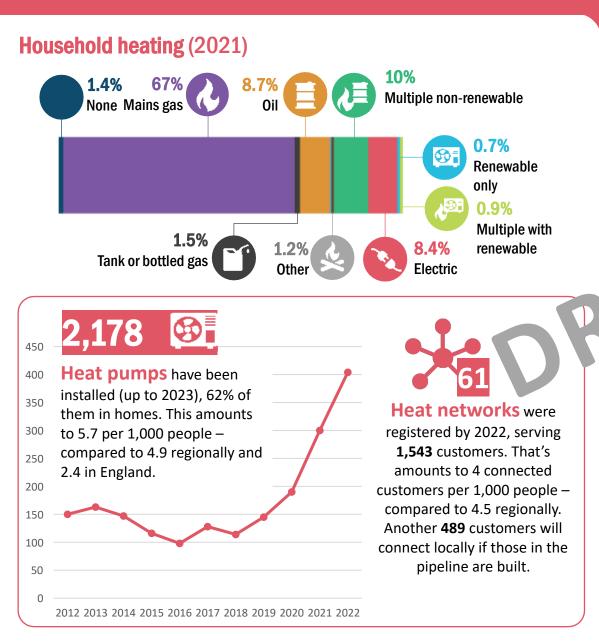


Anaerobic Digestion (1.7%) **14** installations 5.1 MW capacity



Landfill gas (2.4%) **3** installations 7.2 MW capacity Buildings

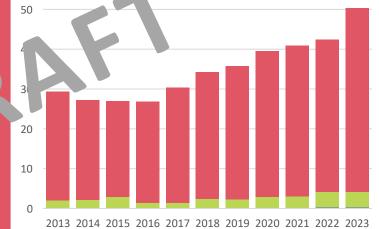
$\langle \equiv \rangle$



Energy efficiency

50.3%

of **homes** assessed for energy efficiency had an EPC rating of C or above in 2023 (excluding new builds) – compared to 49.4% regionally and 52.6% nationally.



A B C

75%

of **non-domestic buildings** locally are EPC C or above.



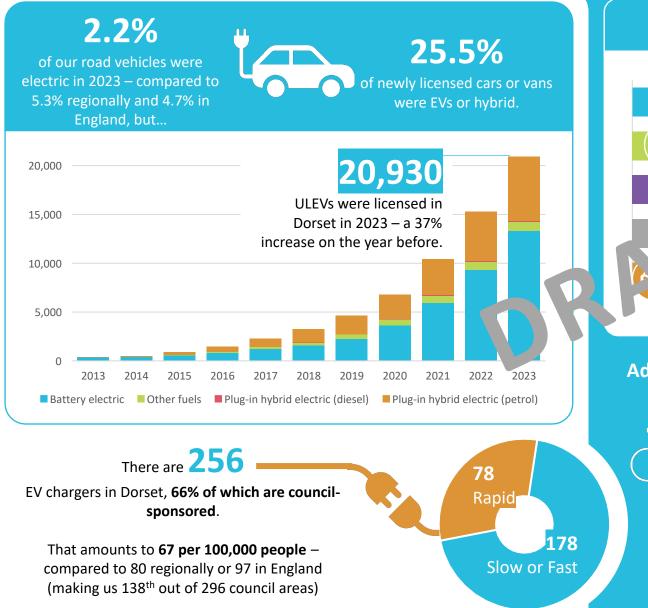
of homes (22,223) were in fuel poverty in 2022 – compared to 12.9% regionally and 13.1% in England.



homes have been upgraded through Government grantfunded energy efficiency schemes (LAD & HUG) since 2020. That amounts to 1.3 households per 1,000 people – compared to 1.35 regionally and 1.16 in England.



 $\langle \equiv \rangle$



Walking: 27% (England, 27%) Cycling: 2% (England, 2%) Public transport: 4% 'land, 7%) Car, van or motorbike: xi: 1% (England, 56%) (England, 1%)

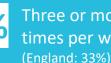
Mode of transport (SW regional)

Adults engaged in active travel (2022)



Once per month (England: 44%)

Once per week (England: 37%)



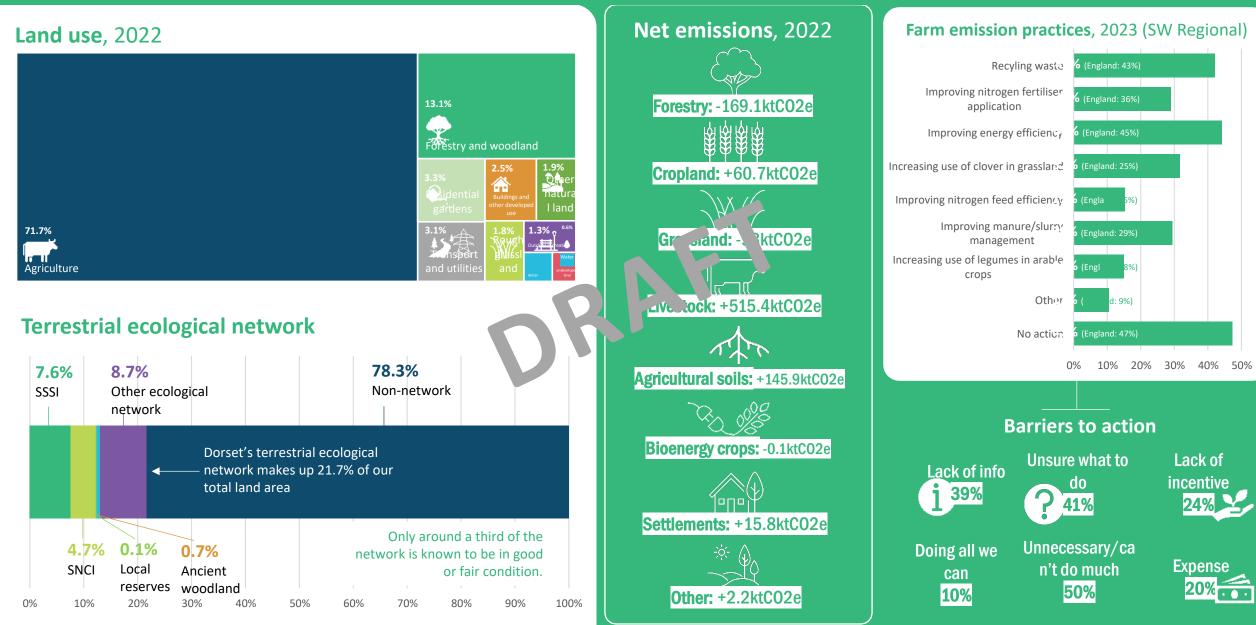
Three or more times per week

Bus journeys per head (2022)



regionally and 50.2 in England



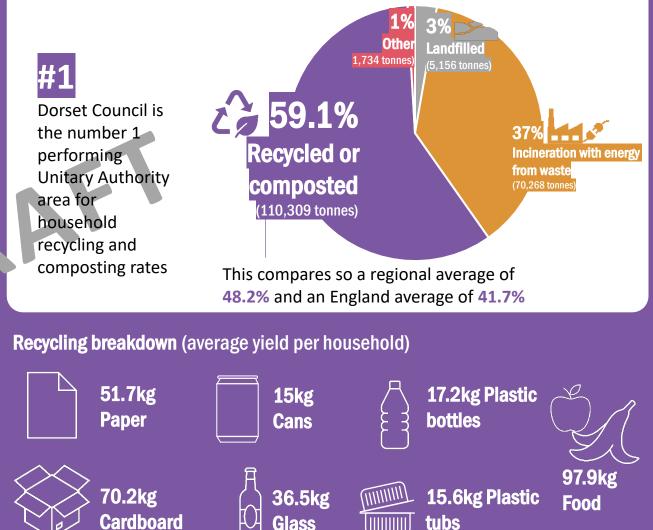


🟠 Waste

 $\langle \equiv \rangle$



Waste management, 2022/23







Greenhouse Gas Emissions:

Department for Energy Security and Net Zero and Department for Business, Energy & Industrial Strategy: UK local authority and regional greenhouse gas emissions statistics, 2005-2022



Energy:

- Department for Business, Energy & Industrial Strategy: <u>Total final energy consumption at regional and local authority level</u>, 2005-2022
- Department for Energy Security and Net Zero: <u>Regional Renewable Statistics</u>
- Department for Energy Security and Net Zero: <u>Renewable Energy Planning Database</u>

Buildings:

- Office for National Statistics: Type of central heating of the accommodation based on Census 2021
- MCS: MCS Data Dashboard
- Ministry of Housing, Communities and Local Government: Live tables on Energy Performance of Buildings Certificates
- Department for Energy Security and Net Zero: <u>Heat Networks Planning Database</u>

Transport:

- Department for Transport: <u>Vehicle licensing statistics data tables (VEH0132: Licensed ULEVs)</u>
- Department for Transport: Electric vehicle public charging infrastructure statistics
- Department for Transport: Mode of travel and CW0301: Proportion of adults who do any walking or cycling, for any purpose, by frequency and local authority
- Department for Transport: <u>BUS01: Local bus passenger journeys</u>

Land:

- Ministry of Housing, Communities and Local Government: Land use in England, 2022
- Dorset Local Nature Partnership: Natural Value Report 2022
- Department for Energy Security and Net Zero: UK local authority and regional greenhouse gas emissions statistics. 2005-2022
- Department for Environment, Food & Rural Affairs: <u>Farm practices survey February 2024</u>

Waste:

- Department for Environment, Food & Rural Affairs: Local authority collected waste management annual results
- WRAP LA Portal: Waste & recycling information for local authorities
- WasteDataFlow portal