

Worcestershire County Council Annual Greenhouse Gas (GHG) Emissions Report 2009/10 to 2023/24

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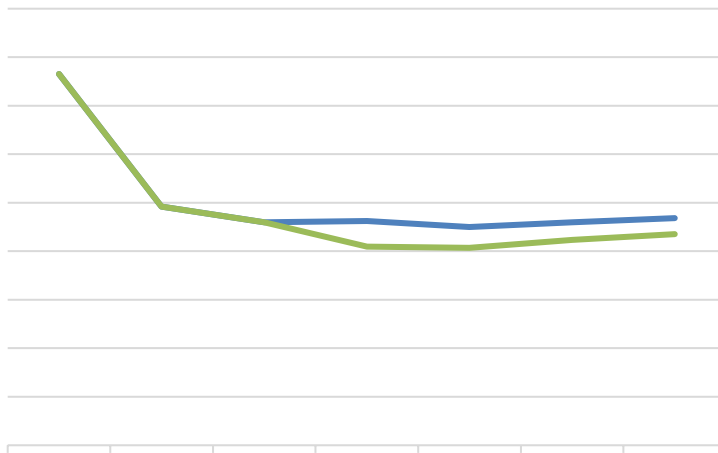
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Please Note: This report supersedes previous GHG reports published by Worcestershire County Council. This report includes minor data amendments from previous years where more accurate data has become available and reflects

Executive Summary

This report provides an update (WCC) Greenhouse Gas (GHG) emissions. This supersedes previous reports published for 2010/11 through to 2022/23.

WCC measure both **absolute** and **net** GHG emissions.



WCC Percentage of Absolute GHG Emissions by Scope

	2009/10	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
SCOPE 1	6%	5%	5%	5%	5%	4%	5%
SCOPE 2	22%	15%	14%	11%	10%	8%	7%
SCOPE 3	72%	80%	81%	83%	85%	88%	88%

Table 2: Percentage of Annual Absolute Emissions by Scope

- x Scope 1 emissions are under WCC direct control and can be controlled by reducing the use of fossil fuels to heat WCC building stock or to power WCC fleet vehicles.
- x Scope 2 emissions arise indirectly from purchased grid electricity. This can be controlled by reducing demand of grid electricity and the percentage of these have shown a significant reduction from the baseline year.
- x Scope 3 emissions are not directly under WCC control, but WCC do have an influence, for example through purchasing decisions.

Absolute GHG emissions data from baseline to 2023/24

The data table below highlights the absolute GHG emissions data for WCC in tonnes of CO₂^e, broken down by year and scope³. Figures have been rounded up accordingly.

WCC has realised a 39% reduction in absolute GHG emissions since 2009/10

Scope	Absolute Emissions t/CO ₂ ^e						
	2009/10 BASELINE	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1	4,598	2,669	2,467	2,480	2,300	2,008	2,248
2	16,672	7,304	6,459	5,273	4,286	3,619	3,305
3	55,267	39,256	37,017	38,497	38,405	40,357	41,252
Absolute Emissions Total t/CO ₂ ^e	76,536	49,228	45,943	46,250	44,992	45,984	46,805
Scope	Percentage change from Baseline Year						
1	-	-42	-46	-46	-50	-56	-51
2	-	-56	-61	-68	-74	-78	-80
3	-	-29	-33	-30	-31	-27	-25
Percentage change from baseline	-	-36	-40	-40	-41	-40	-39

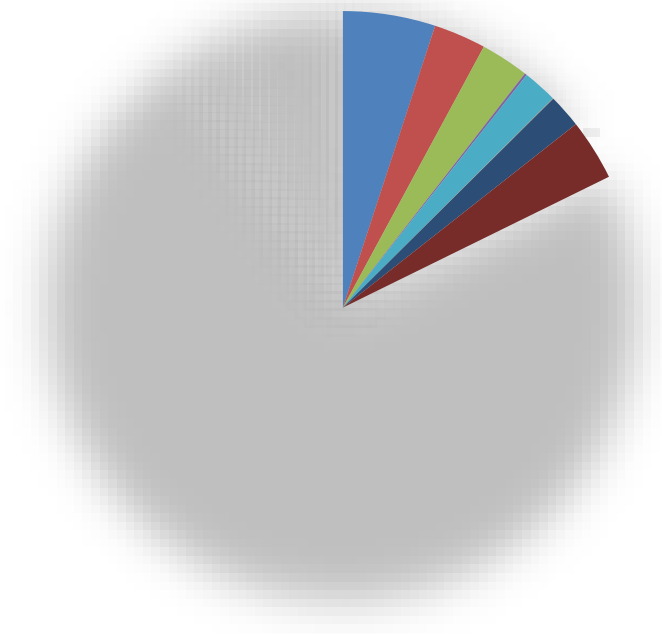
Table 3: Absolute Annual GHG Emissions by Scope Including Percentage Movement from Baseline Year

WCC is working to improve data quality and availability across all scopes, and in particular looking to progress and widen Scope 3 emissions reporting where possible.

In 2023/24 WCC was responsible for absolute emissions of 46,805 tonnes/CO₂^e.

³ Please note the data includes preliminary calculations on GHG emissions from household waste disposal in 2023/24 which are yet to be verified by the Environment Agency. For this reason, these figures may be subject to change. If there is an amendment the GHG report will be updated and re-issued.

WCC Absolute GHG Emissions by Source 2023/24



GHG Emissions Increases

- x Increases in emissions have arisen from gas and electricity use in corporate buildings linked to increased use of council buildings.
- x Air travel emissions increased from the previous year, due to a small increase in domestic flights taken, however emissions from air travel accounts for a very small proportion of the total emissions (0.02%).
- x own fleet vehicle emissions increased due to an increase in home to school transport provision utilis
- x Significant increases in demand for school transport plus improved data capture and recording has seen an increase in emissions from contracted fleet from 2022/23.
- x Emissions from household waste disposal increased due to an increase in the amount of household waste generated in the County.

footprint as WCC is responsible for its disposal.
waste disposal
can more easily influence and reduce:

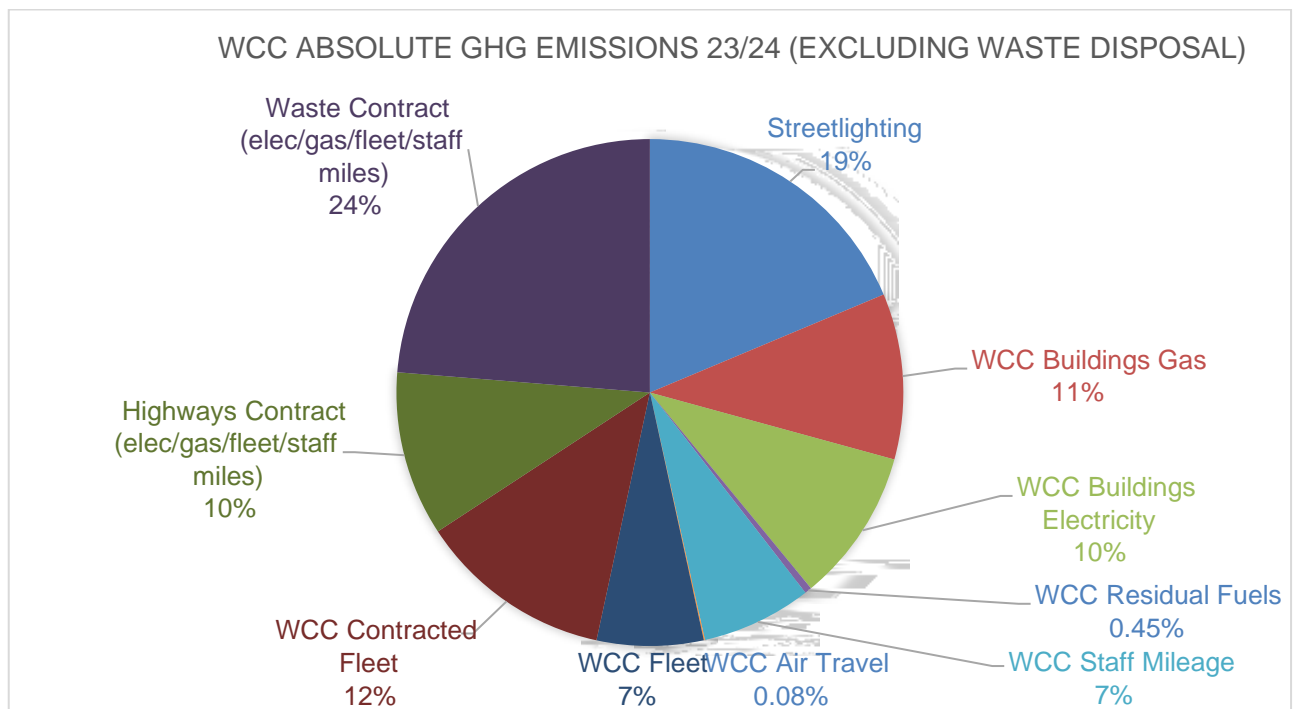


Figure 3: WCC Percentage Breakdown of Absolute Emissions by Source (Excluding Waste Disposal)

