

# Worcestershire County Council Greenhouse Gas (GHG) Emissions Report 2019/20

Please note this report supersedes previous GHG reports published by Worcestershire County Council and includes amended baseline data which reflects more accurate information and conversion factors that are now available.

Please note that schools have been removed from WCC Greenhouse Gas reporting, and the 2009/10 baseline has been amended accordingly.

Proud partners of the  
**Emissions Reduction Pledge 2020**



*Version 2*

*January 2021*

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## Baseline Year

The baseline year is from 1<sup>st</sup> April 2009 to 31<sup>st</sup> March 2010

## Reporting Period

This report includes GHG data for 2009/10 and 2019/20 (financial year from 1<sup>st</sup> April to 31<sup>st</sup> March)

## Targets

Worcestershire County Council reports GHG emissions in terms of CO<sub>2</sub> equivalent<sup>1</sup> (CO<sub>2</sub><sup>e</sup>).

The Council has set a target to achieve net zero GHG emissions by 2050 from 2009/10 baseline year.

WCC is a signatory of the Government's Emissions Reduction Pledge, and under this has pledged to reduce GHG emissions by 30% by 2020/2021 from a 2009/10 baseline.

## Conversion Factors

For the purpose of GHG reporting, WCC have used the UK Government's conversion factors for the relevant years available from:

<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

## Carbon Offsets

During 2019/20 WCC did not purchase, or invest in, carbon offsetting projects; but invested in GHG emissions reduction projects within its own estate.

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<sup>1</sup> Emissions are reported in CO<sub>2</sub> equivalent – CO<sub>2</sub><sup>e</sup> – to include the basket of greenhouse gases which include carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF<sub>6</sub>) and nitrogen trifluoride (NF<sub>3</sub>)

## Organisational Boundary

WCC include GHG emissions from the following sources:

### Scope 1

Direct emissions from Council activities and operations under the Council's control including:

- Natural gas use in WCC buildings (excluding schools)
- Fuel use in WCC vehicle fleet
- Residual fuel use (e.g. burning oil, LPG etc.) consumed at WCC sites (excluding schools)

### Scope 2

Indirect emissions

- Electricity use in WCC buildings (excluding schools) and street lighting (*grid generation*)

### Scope 3

Other indirect emissions including:

- Electricity use in WCC buildings (excluding schools) and street lighting (*grid transmission and distribution*)
- Staff mileage travelled by WCC staff for business purposes
- Air travel by WCC staff for business purposes<sup>2</sup>

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<sup>2</sup> N.B. data availability issue with air travel data due to the number of different financial arrangements for purchasing flights. WCC will work to ensure data reliability in emissions accounting going forwards

- Electricity and gas consumption in buildings operated by the Council's main outsourced contractors for Waste Management and Highways services
- Fleet and staff mileage undertaken by main outsourced contractors for Waste Management and Highways services on behalf of WCC
- Petrol and diesel consumption by contracted fleet vehicles
- Emissions from county-wide municipal waste disposal

## Greenhouse Gas Emissions Data

The data table below highlights the GHG emissions data for WCC in tonnes of CO<sub>2</sub><sup>e</sup> broken down by year and scope. Figures have been rounded up accordingly.

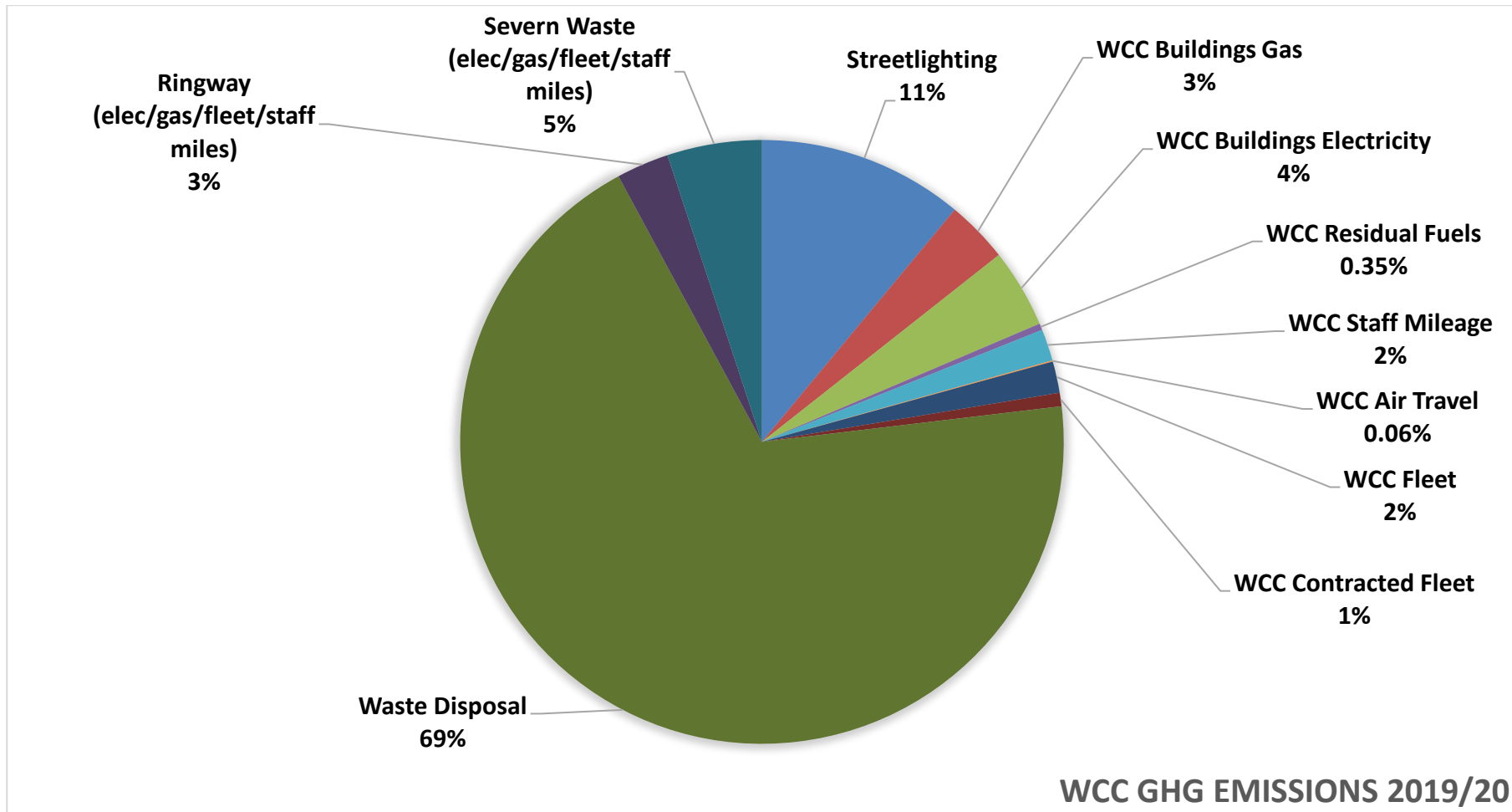
**WCC has realised a 40% reduction in GHG emissions since 2009/10.**

*Please note the data includes preliminary calculations on GHG emissions from waste disposal in 2019/20 which are yet to be verified by the Environment Agency. For this reason, these figures are subject to change. If there is an amendment the GHG report will be updated and re-issued.*

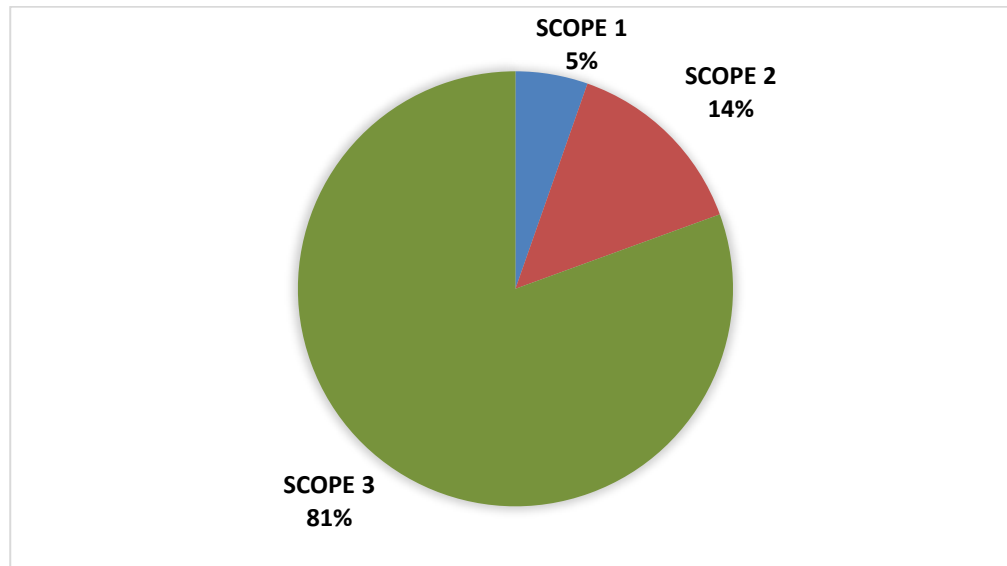
There has been a significant reduction in GHG emissions under Scope 3 since the 2009/10 baseline in part due to the move from waste disposal via landfill, to energy from waste in the County.

Greenhouse Gas Emissions (tonnes/CO <sub>2</sub> <sup>e</sup> ) from baseline		
	2009/10	2019/20
Scope 1	4,598	2,467
Scope 2	16,672	6,458
Scope 3	55,266	36,910
<b>Total Greenhouse Gas Emissions (tonnes/CO<sub>2</sub><sup>e</sup>)</b>	<b>76,536</b>	<b>45,835</b>
Percentage change from baseline (non-Degree Day corrected)		<b>40%</b>

## GHG Emissions Summary 2019/20



## 2019/20 WCC GHG Emissions by Scope



## Organisation Information

Address: Worcestershire County Council, County Hall, Spetchley Road, Worcester, WR5 2NP