

Environmental Reporting

Company Information

Warwickshire County Council is a Tier 1 English local authority providing a range of educational, social, environmental and other services to 0.56m people in the south east of the West Midlands region. Its main address is Shire Hall, WARWICK, CV34 4RL.

Reporting Period

01 April 2019– 31 March 2020

Change in Emissions

The original base year was 2008-2009 – but this included schools. As many schools have taken on academy status the relationship between the authority and schools has changed significantly. WCC no longer has sufficient accountability/authority regarding schools to be able to accurately report or be realistically responsible for their GHG emissions. Thus a new baseline year of 2013-2014 has been established reflecting non-schools estate only - this will allow reporting to be better targeted at elements over which the authority has control.

The overall emissions total is down by **63.17%** compared with the 2013-2014 baseline year.

Emissions relating to gas heating decreased by 58.10% compared to the baseline year. This is mainly due to a decrease in the property portfolio and use of the building management system to control heating.

Emissions from street lighting continue to decrease despite further housing / road development. This is due to the implementation of more efficient technology and continued use of part night street lighting.

Emissions from owned transport (white fleet) has decreased by 23.98% due to driver efficiency training initiatives and procurement of more fuel efficient vehicles.

Emissions from electricity (non-street-lighting) have decreased by 58.44%.

Estimated fugitive emissions from air-conditioning plant remains constant.

Quantification and Reporting Methodology

We have followed the government's guidance on how to measure and report greenhouse gas emissions and used conversion factors issues by the UK Government (Gov.UK).

Organisational Boundary

We have used the financial control approach, making use of gross revenue expenditure. The organisational boundary is set as the authority's property excluding schools.

Operational Scopes

We have measured our scope 1 and 2 emissions.

Base Year

As stated above the base year is 2013-2014 which excludes emissions from schools' estate.

Results and Operational Scopes

Targets

WCC has a corporate target to reduce carbon emissions by 2.5% year on year per £1,000,000 gross revenue expenditure

Intensity Measurement

Using the expenditure for the year 2019-2020, WCC emitted 11.38kg CO₂T (e) per £1000 spend.

Carbon Offsets

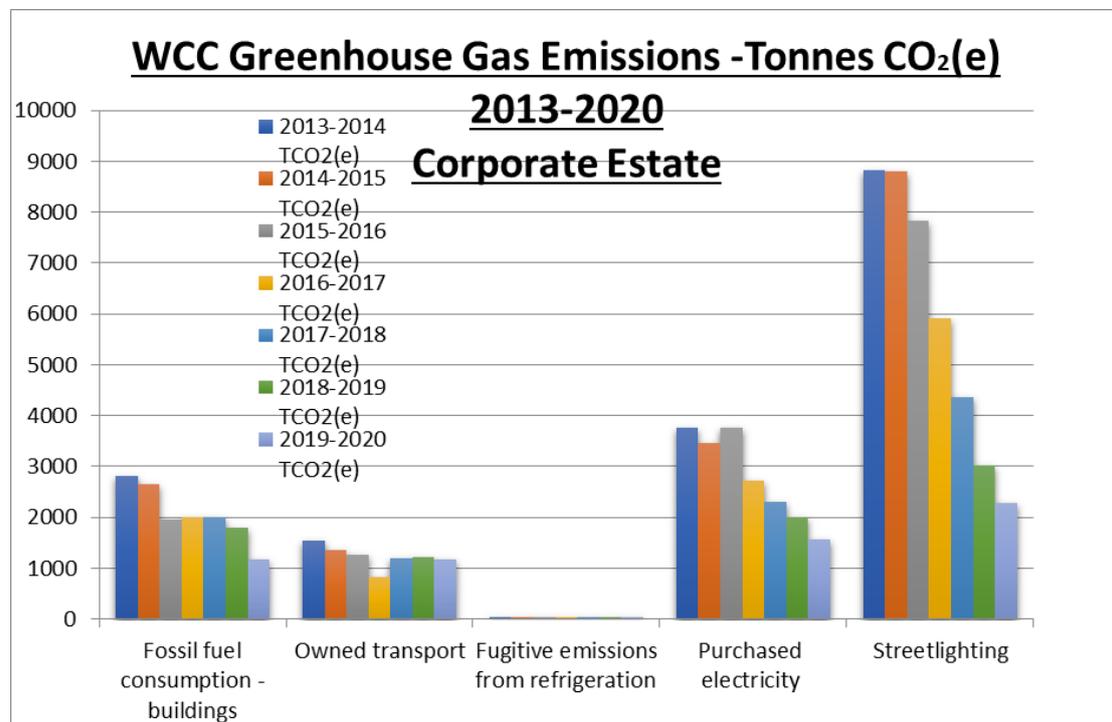
WCC purchases no carbon credits or Woodland Carbon Units

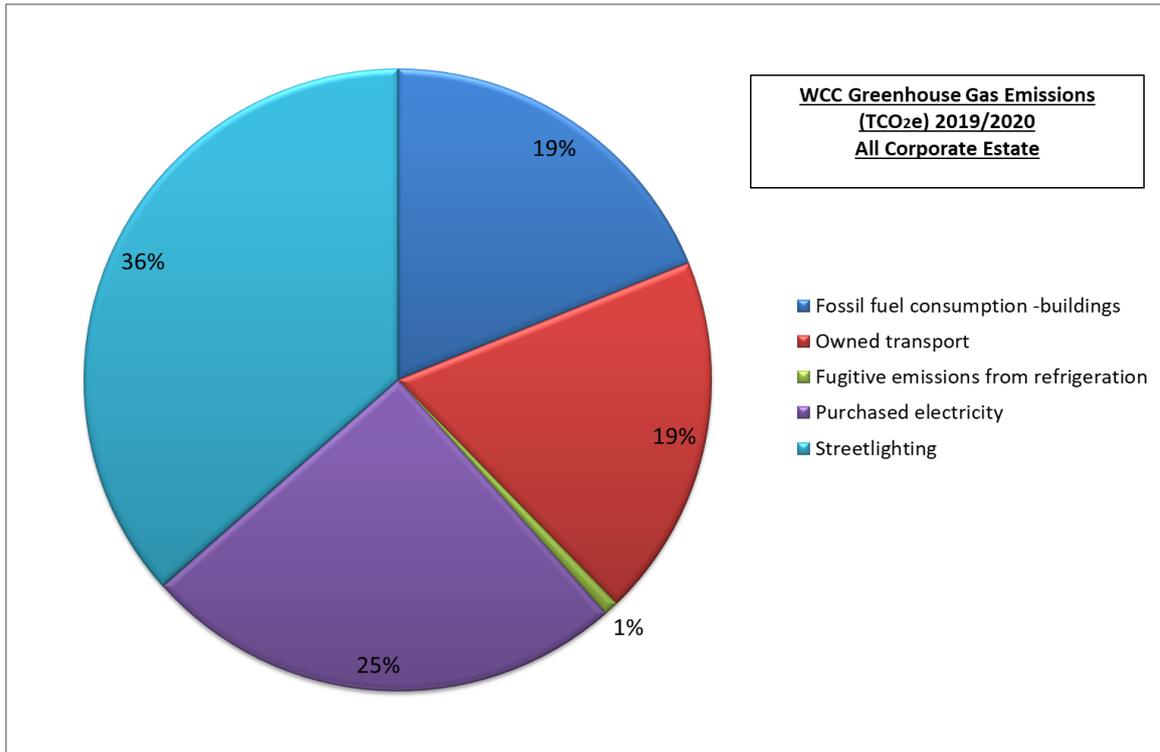
Green Tariffs

WCC purchased electricity from totally renewable sources from October 2016. (wind, solar, hydro-electric)

Other information

WCC has an ISO 14001:2015 environmental management system (EMS) in place which is certified by an independent assessment organisation that is accredited by the United Kingdom Accreditation Service (UKAS). The scope of WCC's EMS is 'The services and activities delivered by Warwickshire County Council in relation to the built and natural resources of Warwickshire.'





WCC GREENHOUSE GAS EMISSIONS 2013/2019 EXCLUDING SCHOOLS

Year	2013-2014 TCO ₂ (e)	2014-2015 TCO ₂ (e)	2015-2016 TCO ₂ (e)	2016-2017 TCO ₂ (e)	2017-2018 TCO ₂ (e)	2018-2019 TCO ₂ (e)	2019-2020 TCO ₂ (e)
Scope 1							
Fossil fuel consumption -buildings	2819.597519	2645.52282	1957	2004.25	2006	1788.52553	118
Owned transport	1554.252705	1363	1274	823.33	1207.33	1229.54445	111
Fugitive emissions from refrigeration	47.5698156	47.90665329	47.90665329	47.90665329	47.90665329	47.90665329	47.90665
Total Scope 1	4421.42004	4056.429473	3278.906653	2875.486653	3261.236653	3065.976633	2410.906
Scope 2							
Purchased electricity	3765.932893	3467.335052	3762	2712.76	2314.52	2002.080229	1
Streetlighting	8819.090937	8812.295256	7839	5902	4373.23	3020.785185	228
Total Scope 2	12585.02383	12279.63031	11601	8614.76	6687.75	5022.865414	385
Scope 3 - Business Travel	not inc						
Total emissions (Scope 1 & 2 only)	17006.44387	16336.05978	14879.90665	11490.24665	9948.986653	8088.842047	6263.286

Refrigerant gases calculation = 3% of amount of refrigerant Emission Factor - then divided by 1000 for tonnes

Source
 Fossil fuel consumption - buildings
 Owned transport
 Fugitive emissions from refrigeration

Tonnes CO₂(e)

Gross Revenue Expenditure 19-20 = 635482646.72
 which equates to **11.38 kg per £1000 spend**