

# **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 0.5m people in the south east of the West Midlands region. Its main address is Shire Hall, WARWICK, CV34 4RL.

## **Reporting Period**

01 April 2017– 31 March 2018

## **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 **41.50%** compared with the 2013-2014 baseline year.

Emissions relating to gas heating decreased by **28.86%** 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 **23.32%** due to driver efficiency training initiatives and procurement of more fuel efficient vehicles.

Emissions from electricity (non-street-lighting) have decreased by **38.54%**.

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 issued 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

### WCC GREENHOUSE GAS EMISSIONS 2013/2017 (EXCLUDING SCHOOLS)

Year	2013-2014 TCO2(e)	2014-2015 TCO2(e)	2015-2016 TCO2(e)	2016-2017 TCO2(e)	2017-2018 TCO2(e)
<b>Scope 1</b>					
• Fossil fuel consumption - Buildings	2819.598	2645.522	1957	2004.25	<b>2006</b>
• Owned transport	1554.253	1363	1274	823.33	<b>1207.33</b>
• Fugitive emissions from refrigeration	47.570	47.907	47.907	47.907	<b>47.907</b>
<b>Total Scope 1</b>	<b>4,421.421</b>	<b>4,056.429</b>	<b>3,278.907</b>	<b>2,875.487</b>	<b>3,261.237</b>
<b>Scope 2</b>					
• Purchased electricity	3765.933	3467.335	3762	2712.76	<b>2314.52</b>
• Streetlighting	8819.091	8812.295	7839	5902	<b>4373.23</b>
<b>Total Scope 2</b>	<b>12,585.024</b>	<b>12,279.63</b>	<b>11,601</b>	<b>8,614.76</b>	<b>6,687.75</b>
<b>Scope 3 – Business Travel</b>	Not included	Not included	Not included	Not included	<b>Not included</b>
<b>Total Emissions (Scope 1 &amp; 2 only)</b>	<b>17,006.445</b>	<b>16,336.059</b>	<b>14,879.907</b>	<b>11,490.247</b>	<b>9,948.987</b>

#### 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 2016-2017, WCC emitted 16.22kg CO2e 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.'*