

## Greenhouse Gas Emissions Report 2009-2016

Dorset County Council has produced this Greenhouse Gas Emissions Report in line with Government reporting standards. Dorset County Council is committed to reducing its carbon emissions and is currently implementing a Carbon Management Plan, which has a target of reducing carbon equivalent emissions by 30% by April 2020 from a 2008-09 baseline.

Dorset County Council Greenhouse Gas emissions are detailed in the Table 1.

### Approach

This report has been prepared in accordance with 'Environmental Reporting Guidelines: Including mandatory greenhouse gas emissions', DEFRA June 2016. DEFRA Greenhouse Gas Conversion Factors for Company Reporting, 2009 - 2016 together with the newly published Greenhouse Gas Conversion Factor Repository at <http://www.ukconversionfactorscarbonsmart.co.uk/>, have been used to collate this report.

The reporting periods are financial years - 1st April to 31st March for 2008 to 2016. The base year is financial year 2008-9. This report supersedes all previous greenhouse reports published by Dorset County Council.

### Operational Scopes

Greenhouse gas emissions have been identified and categorised into the following three groups, known as scopes.

**Scope 1 (direct emissions):** Activities that release emissions straight into the atmosphere. This includes combustion from boilers and vehicles owned by Dorset County Council.

**Scope 2 (energy indirect):** Emissions released into the atmosphere associated with the consumption of electricity, heat, steam or cooling. These emissions are a consequence of Dorset County Council's energy consumption but occur at sources that the council does not own.

**Scope 3 (other indirect):** Emissions released into the atmosphere as a consequence of Dorset County Council's energy consumption which occur at sources that the council does not own and are not included under scope 2. This includes business travel by train and by private vehicles, commuting by car, bus and train, disposal of the council's waste and water consumption.

**Out of scope:** Outside of scope factors account for the direct CO<sub>2</sub> impact of burning biomass and biofuels. The emissions are labelled 'outside of scope' because the scope 1 impact of these fuels has been determined to be a net '0' (since the fuel source itself absorbs an equivalent amount of CO<sub>2</sub> during the growth phase as the that CO<sub>2</sub> is released through combustion). Full reporting of any fuel from a biogenic source has the 'outside of scopes' CO<sub>2</sub> value documented to ensure complete accounting for the emissions created

**Significant changes in this annual report**

- The scope and scale of the County Council operations is changing significantly and this has been seen in the figures for recent years. These functional changes include: academisation of schools, outsourcing of Adult service functions, establishment and progressive expansion of a Dorset Waste Partnership and rationalisation of the County Council Estate. These changes will continue to impact on Carbon Emissions Figures over coming years and in many cases significantly aid the reduction of the County Councils direct carbon foot print. As a result of this organisational and functional change data becomes less comparable year on year and future long term trends are increasingly important.

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Approved by: Mike Harries  
Director for Environment & Economy

Scope	2008-09 (baseline year)	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Scope 1</b>								
Solid Fuel	-	-	-	-				
Liquid fuels	857	956	876	584	590	665	566	456
Gaseous fuels	10,512	8,705	9,853	8,930	9,458	8,949	8,013	7,386
Vehicle fleet	2,827	2,578	2,934	3,997 <sup>1</sup>	4,766 <sup>1</sup>	7,867 <sup>1</sup>	9544	9,290
Refrigerant Gases				-				
Other				-				
<b>Total scope 1</b>	<b>14,197</b>	<b>12,239</b>	<b>13,663</b>	<b>13,511</b>	<b>14,813</b>	<b>17,480</b>	<b>18,123</b>	<b>17,132</b>
<b>Scope 2</b>								
Purchased electricity (Grid)	24,476	23,956	23,090	22,848	21,678	24,118	20,926	17,588
Purchased electricity (Other)				-				
Heat purchased				-				
Other				-				
<b>Total scope 2</b>	<b>24,476</b>	<b>23,956</b>	<b>23,090</b>	<b>22,848</b>	<b>21,678</b>	<b>24,118</b>	<b>20,926</b>	<b>17,588</b>
<b>Scope 3</b>								
Employee commuting <sup>2</sup>	8,281	8,219	7,843	7,118	6,456	6,295	7200	6,826
Business Travel	2,983	2,869	2,506	2,266	2,059	1,862	1,883	1,646
Outsourced Services				-				
Other	3,000	2,950	3,034	2,792	2,773	2,770	2,143	2,535
<b>Total scope 3</b>	<b>14,263</b>	<b>14,038</b>	<b>13,382</b>	<b>12,177</b>	<b>11,288</b>	<b>10,926</b>	<b>11,226</b>	<b>11,007</b>
<b>Total emissions</b>	<b>52,936</b>	<b>50,233</b>	<b>50,135</b>	<b>48,536</b>	<b>47,779</b>	<b>52,524</b>	<b>48,490</b>	<b>45,727</b>
<b>Out of Scope emissions</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>117<sup>3</sup></b>	<b>190</b>	<b>319</b>	<b>296</b>
<b>Dorset Waste Partnership<sup>1</sup></b> (Estimate)				<b>711</b>	<b>1,514</b>	<b>4,406</b>	<b>4,273</b> (Est.)	<b>5,350</b> (Est.)
<b>DCC total emissions<sup>1</sup></b> (Exc DWP)	<b>52,936</b>	<b>50,342</b>	<b>49,531</b>	<b>47,286</b>	<b>47,776</b>	<b>48,118</b>	<b>44,084</b>	<b>40,377</b>

Table 1: - Dorset County Council Greenhouse Gas emissions 2008-2016 (Tonnes of Carbon Dioxide Equivale

<sup>1</sup> Figures from 2011-15 include addition fleet vehicles now the responsibility of the Dorset Waste Partnership (DWP). Previously this was reported under the District/Borough Councils for North Dorset, Christchurch, East Dorset, West Dorset and Weymouth & Portland.

<sup>2</sup> Figures based on miles /FTE therefore vary with staff numbers, which have decreased since 2008/9

<sup>3</sup> Out of scope emissions account for the zero carbon elements of bio-fuels. Reported for the first time in 2013