

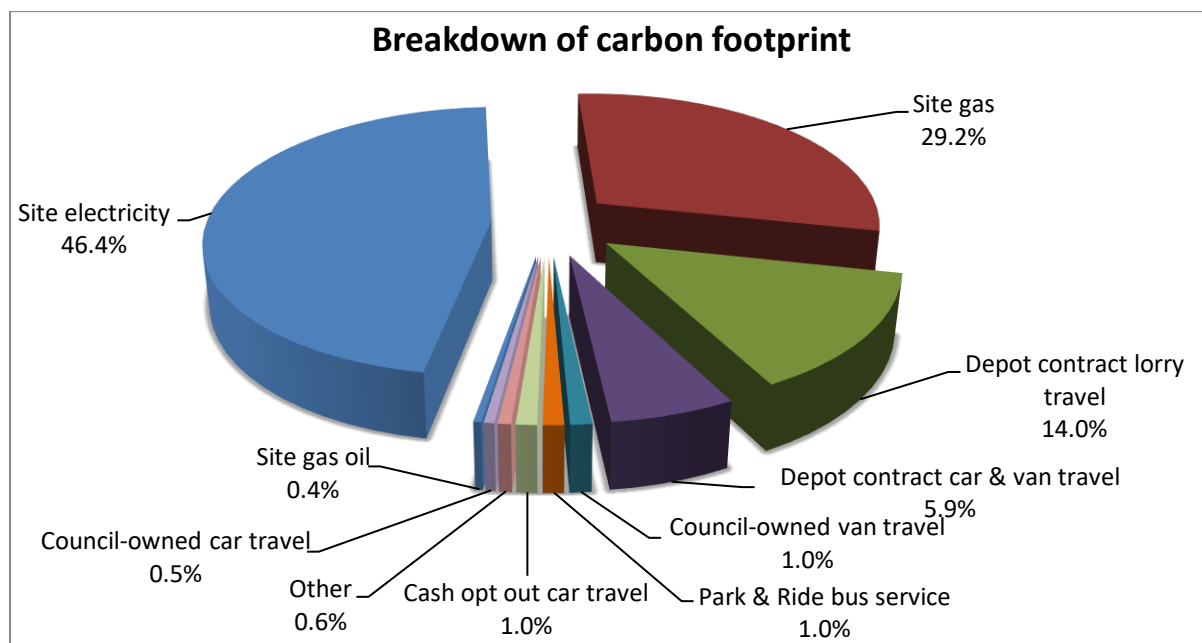
# Carbon Footprint Appraisal Report



Assessment Period:  
1<sup>st</sup> April 2016 – 31<sup>st</sup> March 2017

## Executive Summary

Carbon Footprint Ltd has assessed the greenhouse gas (GHG) emissions of Winchester City Council (henceforth referred to as WCC) from 1<sup>st</sup> April 2016 to 31<sup>st</sup> March 2017, based on a dataset provided by the organisation. The chart below shows the sources of emissions, with electricity consumption accounting for 46.4% of the total emissions.



The table below demonstrates historical emissions compared to this year’s results showing:

- A decrease in absolute emissions by 9.5% compared to the previous year (2015/16) and 22.0% compared to the baseline year (2009/10).
- A decrease in emissions per employee by 8.7% since the baseline year.
- A decrease in emissions per capita by 26.3% since the baseline year.

	2009/10	2015/16	2016/17	% change from baseline year (2009/10)	% change from previous year
<b>Total tonnes of CO<sub>2</sub>e</b>	5,388.70	4,646.33	4,203.01	-22.0%	-9.5%
<b>Tonnes of CO<sub>2</sub>e per employee</b>	9.45	9.58	8.63	-8.7%	-9.9%
<b>Tonnes of CO<sub>2</sub>e per capita</b>	0.047	0.039	0.035	-26.3%	-10.6%

Electricity consumption continues to be the Council’s largest source of emissions and is also where the highest emissions reductions are made – there’s been a 13.9% (314 tCO<sub>2</sub>e) decrease since the previous year. This is due to a reduction of 185,079 kWh consumed (over 60% of this from properties not classed as ‘housing’), as well as a lower emission factor for electricity (caused by the increased proportion of renewable energy sources in the national grid). Gas consumption on the other hand, which is the second largest source of total emissions (accounting for 29.2%), has increased 1.6% since the previous year, caused by a 121,145 kWh increase in consumption (35% of which can be attributed to the Guildhall). Therefore, reducing electricity and gas consumption (particularly in the leisure centres, which are the largest consumers) should be the focus going forward to decrease the carbon footprint.

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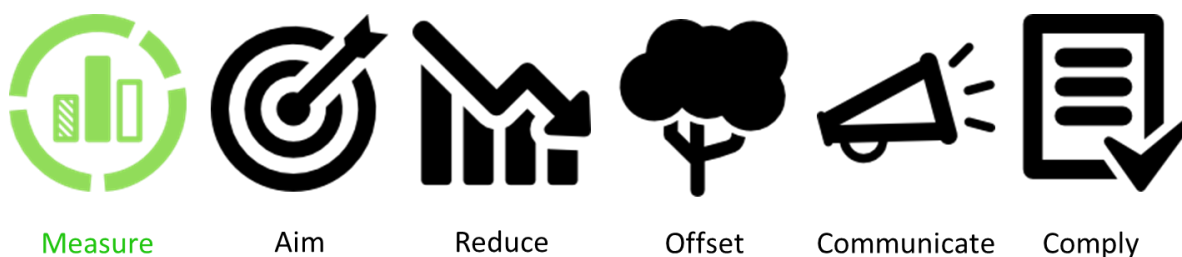
## Quality Control

<b>Report issue number:</b>	1.2
<b>Date:</b>	09 November 2018
<b>Calculations completed by:</b>	Grace Parker
<b>Calculations reviewed by:</b>	Georgina Whitlock
<b>Report produced by:</b>	Grace Parker
<b>Report reviewed by:</b>	Georgina Whitlock
<b>Director approval:</b>	John Buckley

# 1. Introduction

## 1.1. Winchester City Council's carbon management journey

Carbon Footprint provides a simple six step annual journey to enhance your sustainability credentials whilst complying to best practice and differentiating your brand. Winchester City Council has completed the first step of its carbon management journey.



The purpose of this report is to:

- Summarise the results of your carbon footprint assessment.
- Recommend realistic aims for your carbon reduction target.
- Provide practical recommendations to enhance your sustainability programme and reduce your emissions.

## 1.2. What is a carbon footprint?

A carbon footprint is a measure of the impact our activities have on the environment in terms of the amount of greenhouse gases produced, measured in units of carbon dioxide equivalents (CO<sub>2</sub>e). A carbon footprint is made up of two parts, direct and indirect emissions.

### 1. Direct emissions:

Direct emissions are produced by sources which are owned or controlled by the reporting organisation and include electricity use, burning oil or gas for heating, and fuel consumption as a result of business travel or distribution. Direct emissions correspond to elements within scopes 1, 2 and 3 of the World Resources Institute GHG Protocol, as indicated in Table 1.

**Table 1: Direct emissions sources**

Footprint	Activity	Scope
Direct	Electricity, heat or steam generated on-site	1
	Natural gas, gas oil, LPG or coal use attributable to company owned facilities	1
	Company owned vehicle travel	1
	Production of any of the six GHGs (CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFCs, PFCs and SF <sub>6</sub> )	1
	Consumption of purchased electricity, heat steam and cooling	2
	Employee business travel (using transport not owned by the company)	3

## 2. Indirect emissions:

Indirect emissions result from a company's upstream and downstream activities. These are typically from outsourced/contract manufacturing, and products and the services offered by the organisation. Indirect emissions correspond to scope 3 of the World Resources Institute GHG Protocol excluding employee business travel as indicated in Table 2.

**Table 2: Indirect emissions sources**

Footprint	Activity	Scope
Indirect	Employee commuting	3
	Transportation of an organisation's products, materials or waste by another organisation	3
	Outsourced activities, contract manufacturing and franchises	3
	GHG emissions from waste generated by the organisation but managed by another organisation	3
	GHG emissions from the use and end of life phases of the organisation's products and services	3
	GHG emissions arising from the production and distribution of energy products, other than electricity, steam and heat, consumed by the organisation	3
	GHG emissions from the production of purchased raw or primary materials	3
	GHG emissions arising from the transmission and distribution of purchased electricity	3

For businesses, the assessment focuses on direct emissions, as these lie under the control of the organisation. However, we ask companies to recognise that there is an indirect emissions footprint and select suppliers based on their environmental credentials alongside price and performance.

### 1.3. Why is it important?

Over the past two decades the effects of climate change have accelerated. Considerable evidence exists proving climate change has been exacerbated by human activity. Changes in our post-industrial lifestyles have altered the chemical composition of the atmosphere, generating a build-up of greenhouse gases – primarily carbon dioxide, methane, and nitrous oxide levels – raising the average global temperature.

The consequences of inaction will be disastrous. Sea level will continue to rise and local climate conditions to be altered causing an increase in extreme weather events, affecting forests, crop yields, and water supplies. It will also affect human health, accelerate species extinction, and disrupt many ecosystems.

Climate change is a global threat which will impact the lives of everyone on the planet. Hence, it is vital that all individuals, businesses, organisations and governments work towards the common goal of reducing greenhouse gas emissions. This carbon footprint assessment will enable Winchester City Council to continue doing their bit by monitoring and reducing their emissions.

#### 1.4. BS ISO 14064-1:2006

This GHG report has been prepared in accordance with Part 1 of BS ISO 14064: 2006. The GHG inventory, report, or assertion has not been verified.

#### 1.5. Calculation methodology

The carbon footprint appraisal is derived from a combination of client data collection and data computation by Carbon Footprint's analysts.

Carbon Footprint's analysts have calculated Winchester City Council's footprint using the 2016 conversion factors developed by the UK Department for Environment, Food and Rural Affairs (Defra) and the Department for Business, Energy & Industrial Strategy (BEIS). These factors are multiplied with the company's GHG activity data. Carbon Footprint has selected this preferred method of calculation as a government recognised approach and uses data which is realistically available from the client, particularly when direct monitoring is either unavailable or prohibitively expensive.

Additional methodology information is presented in Annex A.

#### 1.6. Data supplied for the carbon footprint appraisal

A summary of the data supplied by Winchester City Council for the appraisal is presented in Annex B.

## 1.7. Abbreviations

BEIS	Department for Business Energy & Industrial Strategy
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent
Defra	Department for Environment, Food and Rural Affairs
GHG	Greenhouse Gas
HGV	Heavy Goods Vehicle
IPCC	Intergovernmental Panel on Climate Change
ISO	International Standards Organisation
km	Kilometres
kWh	Kilowatt Hours
PR	Public Relations
UN	United Nations
WCC	Winchester City Council

## 2. Calculation Scope and Accuracy

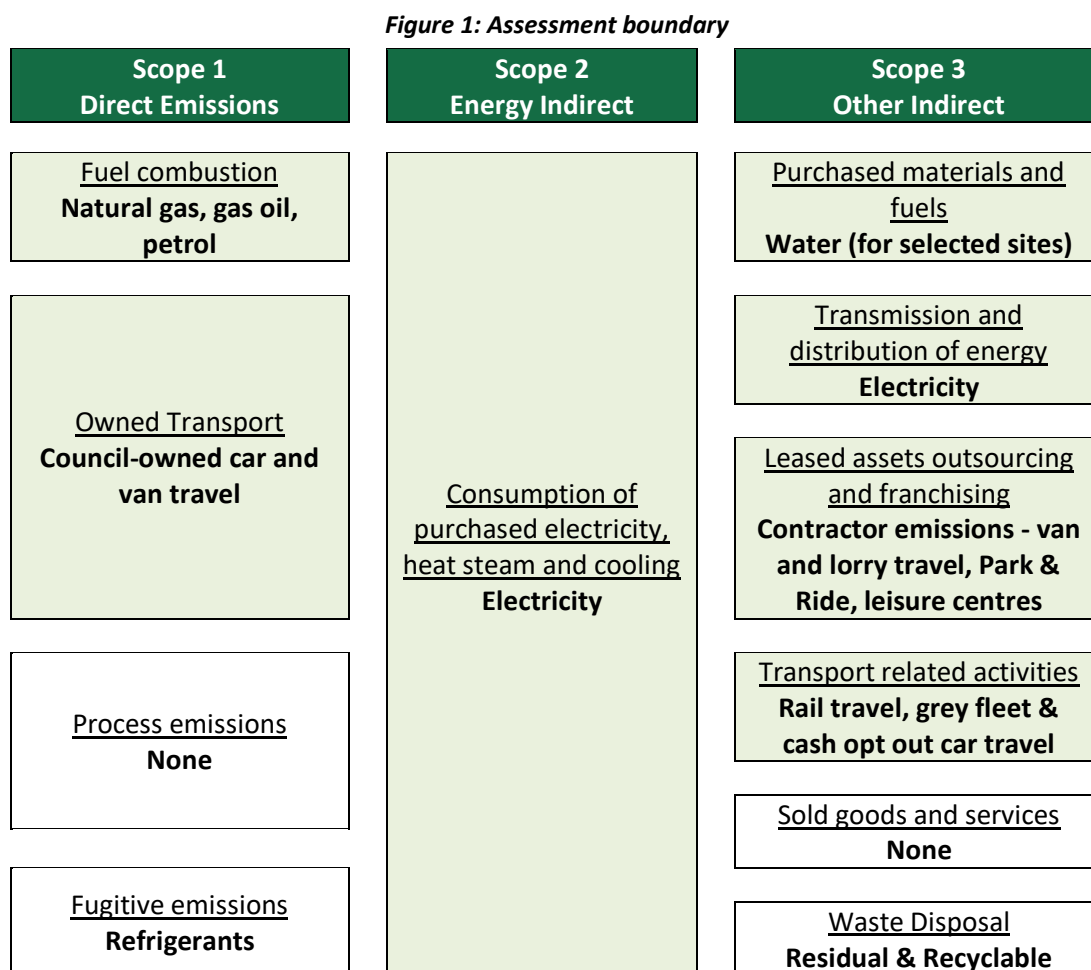
### 2.1. Scope of this work

Carbon Footprint has assessed the GHG emissions from 1<sup>st</sup> April 2016 to 31<sup>st</sup> March 2017 resulting from the energy consumption at Winchester City Council’s facilities and its transport activities.

### 2.2. Organisational & operational boundaries

The organisation has accounted for all quantified GHG emissions from facilities over which it has operational control. This includes non-communal and communal areas of sheltered housing.

The assessment covers the following operational boundaries:



Key: Within the assessment boundary Not included within assessment boundary

Indirect GHG sources that are outside the assessment boundary have been excluded from quantification as it is not technically feasible or cost effective, to include these in the GHG assessment.



### 2.3. Calculation accuracy & materiality

The result of a carbon footprint calculation varies in accuracy depending on the data set provided. The more accurate the data supplied, the more accurate the final result which will subsequently allow for better targeting of areas where improvements can be made. Materiality is determined by the percentage contribution of each element to the overall footprint.

The data provided is derived from energy bills, expenses claims and data collected by Winchester City Council. The majority of the data accuracy is excellent, excluding the Park and Ride bus service and water (and wastewater) datasets which are rated as good and the fuel use for grounds maintenance which is rated poor (Table 3).

**Table 3: Assessment accuracy & materiality**

Dataset	Source of data and comments	Accuracy	Materiality
Site electricity	Utility bills & meter readings	Excellent	Very High (40%+)
Site gas	Utility bills & meter readings	Excellent	High (20% - <40%)
Depot contract lorry travel	Fuel & mileage figures provided per vehicle.	Excellent	Medium (5% -<20%)
Depot contract car & van travel	Fuel & mileage figures provided per vehicle.	Excellent	Medium (5% -<20%)
Park & Ride bus service	Contracted mileage (Stagecoach).	Good	Low (1% - <5%)
Cash opt out car travel	Register provided by payroll. Annual mileage, fuel type and engine size provided.	Excellent	Very Low (<1%)
Other fuel use (gas oil & petrol)	Annual litres given though the fuel type was not stated. Have estimated using the percentage split from last year's data.	Poor	Very Low (<1%)
Council-owned car travel	Mileage records. Annual mileage, fuel type and vehicle size provided.	Excellent	Very Low (<1%)
Employee owned car travel (grey fleet)	Register provided by payroll. Annual mileage, fuel type and vehicle size provided.	Excellent	Very Low (<1%)
Rail travel	Journey details from expense claims.	Excellent	Very Low (<1%)
Water (and wastewater)	Utility bills and meter readings. Wastewater was estimated assuming 95% of the water supplied is returned to the sewer (same percentage Southern Water uses for billing).	Good	Very Low (<1%)
Council-owned van travel	Fuel & mileage figures provided per vehicle.	Excellent	Very Low (<1%)

The Park and Ride bus service is contracted out to Stagecoach. The annual mileage has been estimated based on the routes taken and the number of services running over the year. Data accuracy could be improved by recording annual fuel consumption and fuel type.

Water data has only been provided for four sites and these do not include any of the public conveniences or leisure centres. Therefore, further improvements still need to be made with regard to recording water consumption.

In previous years, petrol and gas oil has been used for grounds maintenance (which is contracted out). However, this year only one figure was provided with no reference to the type of fuel. An attempt was made to obtain further information from the contractor, however none was obtained. It was decided to assume the same ratio of fuel usage as the previous year, i.e. 32.8% petrol, 67.2% gas oil. Improving the recording of annual fuel consumption for grounds maintenance including fuel type would improve the accuracy of the calculation.



## 3. Carbon Footprint Results

### 3.1. Summary of results

The total carbon footprint for WCC for the period ending 31<sup>st</sup> March 2017 was 4,203.01 tonnes CO<sub>2</sub>e. The following table and graphs provides a summary of results for WCC's carbon footprint calculation by scope, business unit and source activity. As the management of WCC's two leisure centres is contracted out, the associated energy consumption is recorded as scope 3 emissions.

**Table 4: Results of WCC's carbon footprint assessment by scope, business unit and source activity**

Scope	Activity	Tonnes CO <sub>2</sub> e
Scope 1	Natural gas consumption	564.51
	Gas oil	15.94
	Council-owned car travel	20.80
	Council-owned van travel	43.31
<b>Scope 1 Sub Total</b>		<b>650.92</b>
Scope 2	Electricity generation	1,350.71
<b>Scope 2 Sub Total</b>		<b>1,350.71</b>
Scope 3	Leisure centres - electricity & gas	1,140.30
	Depot contract lorry travel	586.66
	Depot contract car & van travel	249.19
	Electricity transmission & distribution <sup>1</sup>	122.17
	Business car travel	51.44
	Park & Ride bus service	41.95
	Rail travel	5.68
	Water (and wastewater)	4.00
<b>Scope 3 Sub Total</b>		<b>2,201.38</b>
<b>Total tonnes of CO<sub>2</sub>e</b>		<b>4,203.01</b>
<b>Tonnes of CO<sub>2</sub>e per employee</b>		<b>8.63</b>
<b>Tonnes of CO<sub>2</sub>e per capita</b>		<b>0.035</b>

Figures 2 and 3 show the breakdown of the total GHG emissions produced by WCC. It can be seen that 46.4% of the total emissions is produced through the use of electricity consumption. The other two significant factors are gas consumption and depot contract lorry travel, contributing to 29.2% and 14.0% of the total emissions respectively. (Depot contract travel refers to travel that Biffa and the Landscape Group undertake for WCC-related work).

Within the following two graphs, the energy emissions from the leisure centres have not been separated from the other sites. The 'other' category in the following graphs includes: grey fleet car travel, petrol use, rail travel and water consumption.

<sup>1</sup> Excludes the leisure centres which are accounted for separately within 'leisure centres – electricity & gas'.

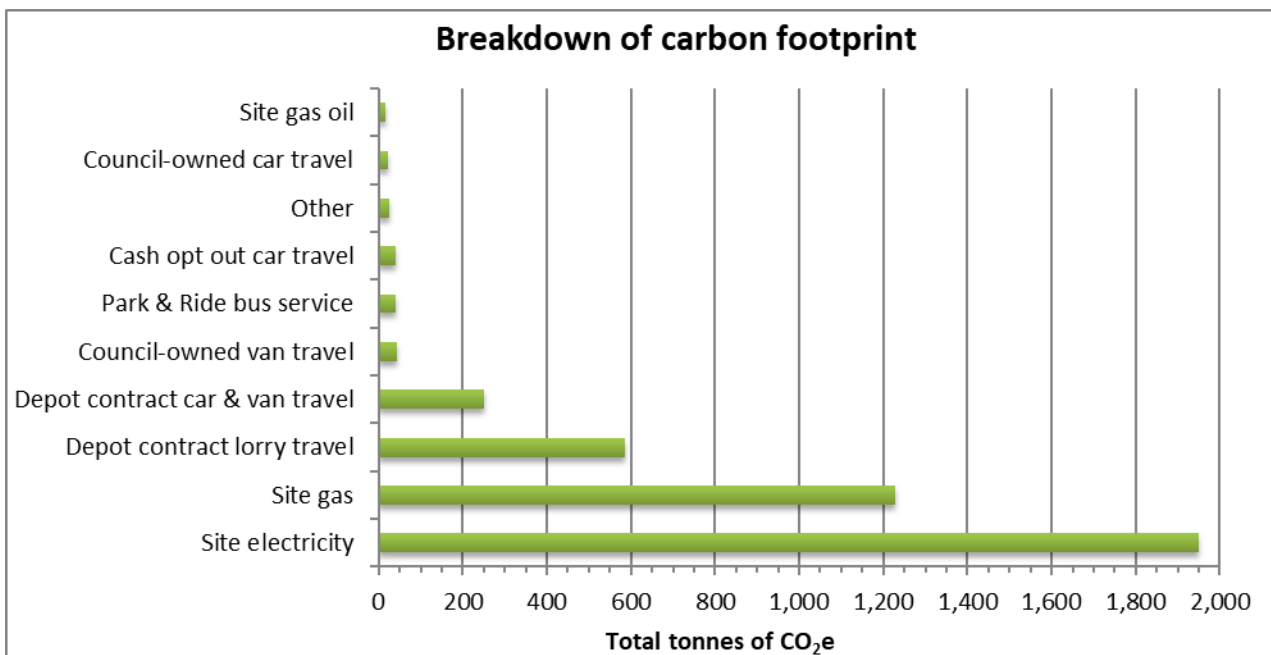


Figure 2: Contribution in tCO<sub>2</sub>e of each element of Winchester City Council's carbon footprint <sup>2 3</sup>

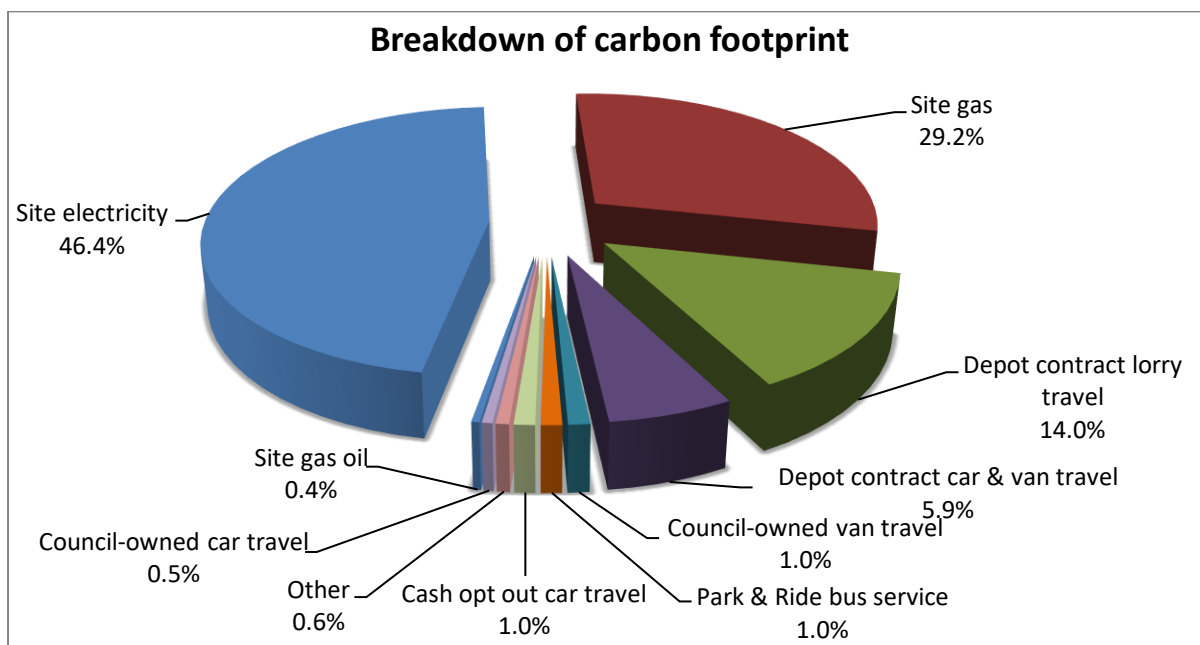


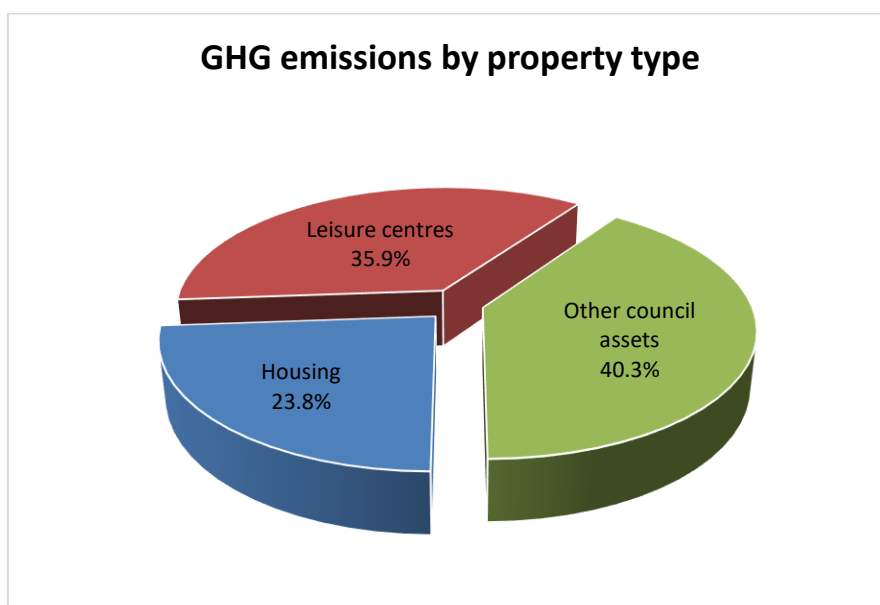
Figure 3: Percentage contribution of each element of Winchester City Council's carbon footprint

<sup>2</sup> 'Other' includes: grey fleet car travel, petrol use, rail travel and water consumption.

<sup>3</sup> The gas and electricity categories include the energy emissions for the externally managed leisure centres.

### 3.2. Emissions from energy usage at site facilities

Figure 4 below shows the breakdown of emissions from site energy usage by property type across Winchester City Council's assets. It can be seen that 'other council assets' (which includes over 50 properties such as the city offices, car parks and Guildhall) account for the highest total amount of emissions from electricity and gas consumption at 40.3%, whilst 'housing' (sheltered housing and communal areas) produces the lowest at 23.8%. It should be noted that there are only two leisure centres which are in the 'leisure centres' category (Meadowside and River Park), however these produce almost as many GHG emissions as the other council properties combined. The primary focus for energy reduction should therefore be on the two leisure centres.



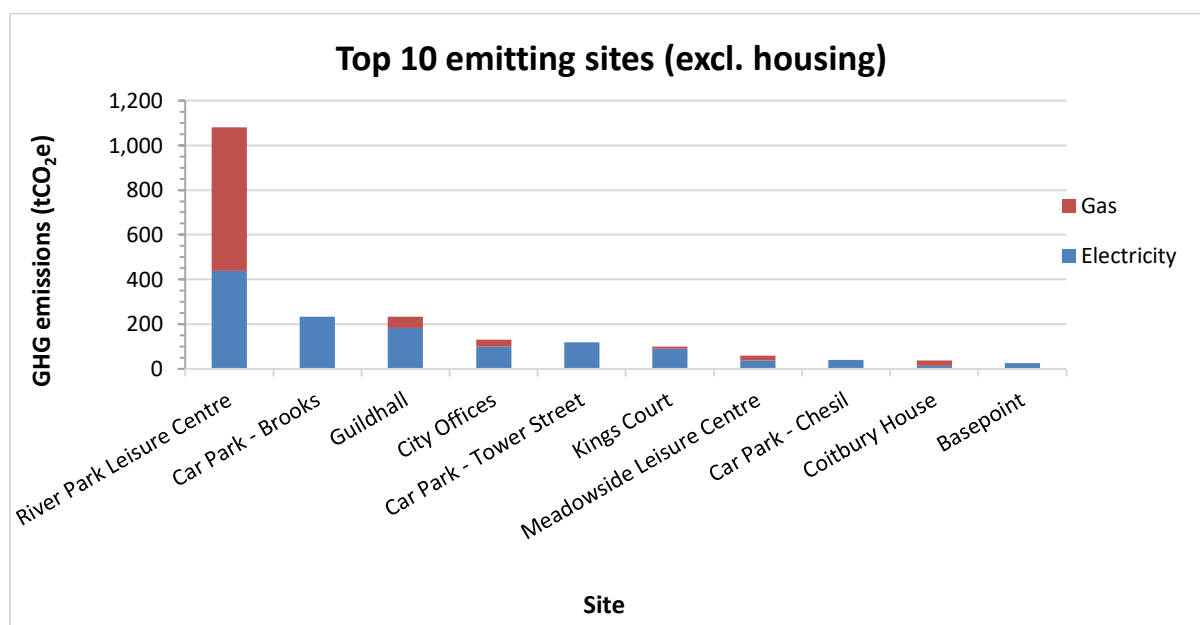
**Figure 4: Breakdown of site CO<sub>2</sub>e emissions by property type**

From analysing the annual energy consumption of the Council's properties (excluding sheltered housing), it can be seen that River Park Leisure Centre and the Brooks car park continue to be the highest energy consuming sites (Table 5). However, the breakdown of energy use is very different.

Almost 60% of River Park Leisure Centre's GHG emissions is from gas consumption, which is significantly higher than the other council properties (Figure 5). This is because of swimming pool heating, specific heating requirements of fitness rooms, longer opening hours and higher occupancy rates. Whereas, the Brooks car park (which is underground) has no requirement for heating therefore no gas is consumed. Electricity is used for running the extract and supply air handling unit and for lighting the car park. In total there are three car parks that make up the top 10 energy consuming sites (Table 5).

**Table 5: CO<sub>2</sub>e emissions as a result of site energy consumption for the 10 highest energy consuming sites (excluding sheltered housing) <sup>4</sup>**

Site	Electricity tCO <sub>2</sub> e	Gas tCO <sub>2</sub> e	Total tCO <sub>2</sub> e
River Park Leisure Centre	438.63	641.83	1,080.46
Car Park - Brooks	234.49	n/a	234.49
Guildhall	184.35	49.28	233.62
City Offices	99.70	30.22	129.92
Car Park - Tower Street	118.91	n/a	118.91
Kings Court	89.86	8.98	98.84
Meadowside Leisure Centre	38.75	21.08	59.84
Car Park - Chesil	40.49	n/a	40.49
Coitbury House	13.15	25.70	38.85
Basepoint	25.92	n/a	25.92
<b>Total</b>	<b>1,284.25</b>	<b>777.09</b>	<b>2,061.34</b>



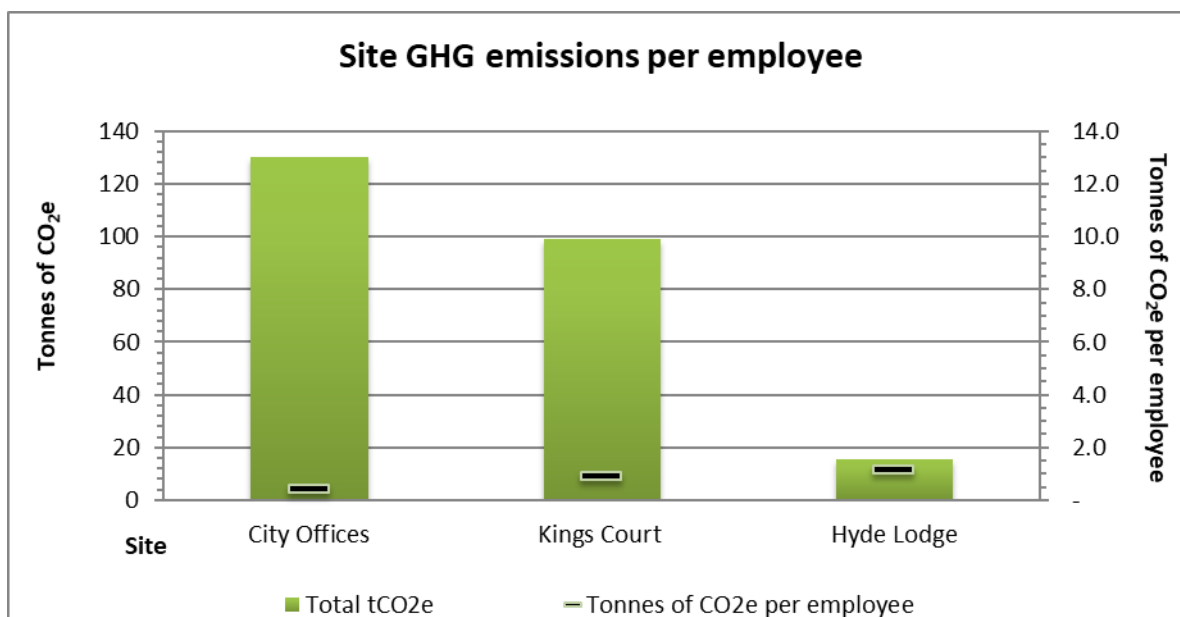
**Figure 5: CO<sub>2</sub>e emissions per site and energy type for the top 10 emitting sites (excl. sheltered housing)**

When comparing the top three office-type buildings (occupied by Council staff), it was found that Hyde Lodge has the highest emissions per employee with 1.19 tCO<sub>2</sub>e per employee, whereas the City Offices has the lowest (Table 6 and Figure 6). This is partly due to the differences in size and number of employees based at each location.

**Table 6: CO<sub>2</sub>e emissions from site energy consumption on a per employee basis**

Site	No. of employees	Total tCO <sub>2</sub> e	tCO <sub>2</sub> e per employee
City Offices	314	144.40	0.46
Kings Court	105	98.84	0.94
Hyde Lodge	13	15.41	1.19
<b>Total / Average (for tCO<sub>2</sub>e per employee)</b>	<b>476</b>	<b>492.27</b>	<b>1.03</b>

<sup>4</sup> Top 10 emitters shown – see Annex for complete breakdown of energy consumption for all sites.

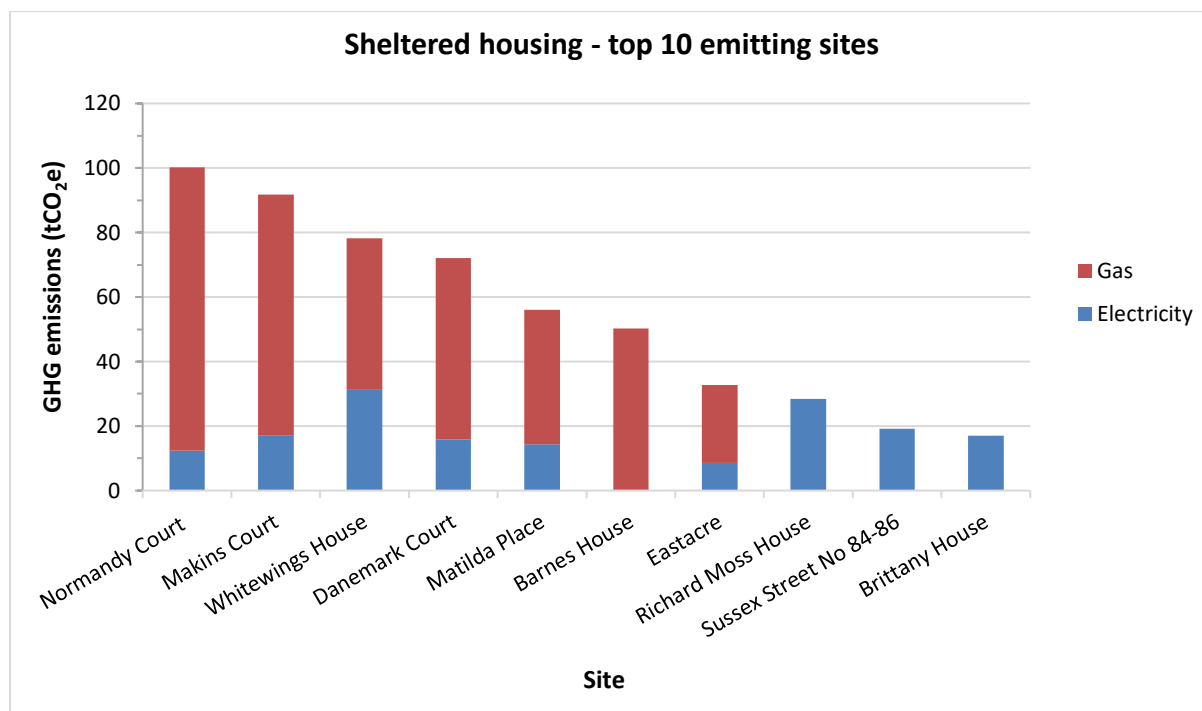


**Figure 6: CO<sub>2</sub>e emissions on a per site and employee basis**

For the sheltered housing and communal areas, Table 7 and Figure 7 shows that Makins Court and Normandy Court produce the largest amount of emissions due to their high levels of gas consumption.

**Table 7: Top 10 emitting sheltered housing sites**

Site	Electricity (tCO <sub>2</sub> e)	Natural Gas (tCO <sub>2</sub> e)	Total tCO <sub>2</sub> e
Normandy Court	12.41	87.77	100.18
Makins Court	17.02	74.80	91.82
Whitewings House	31.31	46.83	78.14
Danemark Court	15.92	56.23	72.15
Matilda Place	14.35	41.63	55.98
Barnes House	0.00	50.17	50.17
Eastacre	8.60	24.20	32.79
Richard Moss House	28.38	n/a	28.38
Sussex Street No 84-86	19.22	n/a	19.22
Brittany House	17.03	n/a	17.03
<b>Total</b>	<b>164.24</b>	<b>381.63</b>	<b>545.87</b>



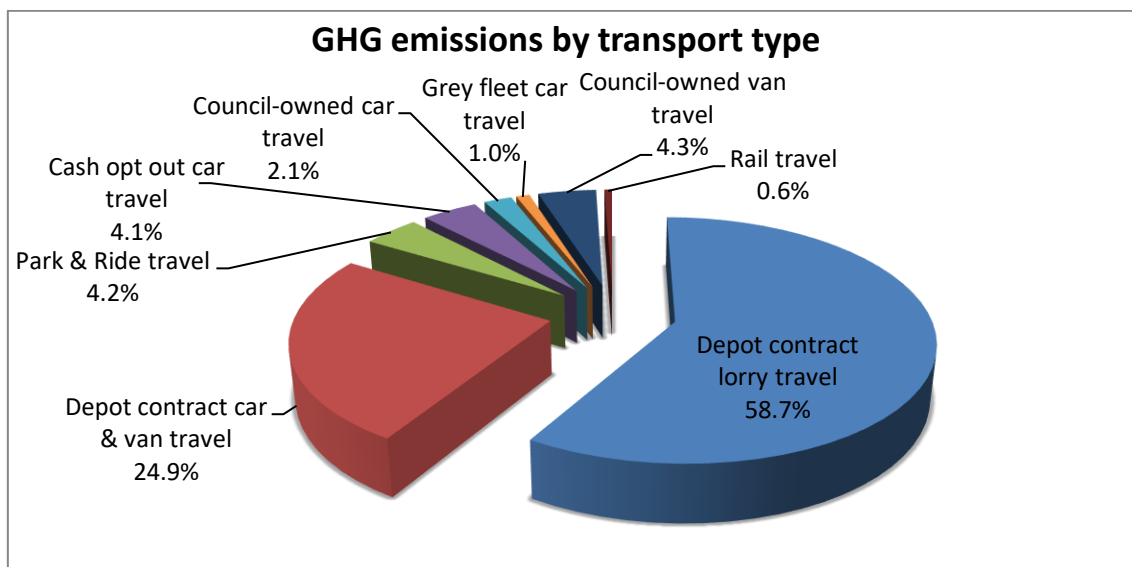
**Figure 7: CO<sub>2</sub>e emissions per site and energy type for the top 10 emitting sheltered housing sites**

The detailed results are given in Annex A.



### 3.3. Emissions from transport and travel

For the GHG emissions resulting from travel, shown in Figure 8 and Table 8 below, it can be seen that the largest contributor is depot contract lorry travel (Biffa and Landscape Group/ID Verde), accounting for 58.7% of the total transport emissions. In comparison, the amount of the CO<sub>2</sub>e caused by rail travel is very low at less than 1%.



**Figure 8: Percentage contribution of each element to transportation emissions**

**Table 8: CO<sub>2</sub>e emissions due to transportation**

Type of Travel / Transport	Tonnes of CO <sub>2</sub> e
Depot contract lorry travel	586.66
Depot contract car & van travel	249.19
Council-owned van travel	43.31
Park & Ride bus service	41.95
Cash opt out car travel	41.39
Council-owned car travel	20.80
Employee owned car travel (grey fleet)	10.05
Rail travel	5.68
<b>Total</b>	<b>999.03</b>

The detailed results are given in Annex B.

### 3.4. Other emissions

In previous years, WCC's contractor for grounds maintenance has used gas oil and petrol to power equipment such as large ride-on lawnmowers, strimmers and blowers etc. However, this year only one figure was provided with no reference to the type of fuel. An attempt was made to obtain further information from the contractor, however none was obtained. It was decided to assume the same ratio of fuel usage as the previous year, i.e. 32.8% petrol, 67.2% gas oil (Table 9). Please refer to section 2.3 for further information.

**Table 9: CO<sub>2</sub>e emissions due to other fuel use**

Type of fuel	Tonnes of CO <sub>2</sub> e
Gas oil	15.94
Petrol	6.35
<b>Total</b>	<b>22.29</b>

Water consumption data has been supplied for four sites, as seen in Table 10 below. The Guildhall continues to have the largest water usage, however it is likely that the two leisure centres (Meadowside and River Park) would use significant amounts of water which has not been included in the assessment due to lack of data monitoring. We recommend that monitoring of water usage across all sites, particularly the leisure centres, is improved to give a more accurate figure. Monitoring of water consumption at the public conveniences is also very important as this can provide early warning of any potential water leaks.

**Table 10: CO<sub>2</sub>e emissions due to water usage**

Site	Water supplied (m <sup>3</sup> )	Tonnes of CO <sub>2</sub> e
Guildhall	1,800	1.83
City Offices	1,673	1.70
West Wing	440	0.45
Abbey House	25	0.03
<b>Totals</b>	<b>3,938</b>	<b>4.00</b>

During the data period no sites required a top up of refrigerant gas.



## 4. Comparison and Benchmarking

### 4.1. Comparison to historical emissions

This is the ninth carbon footprint assessment Winchester City Council has carried out. For the baseline year emission data please refer to the 2009/10 report.

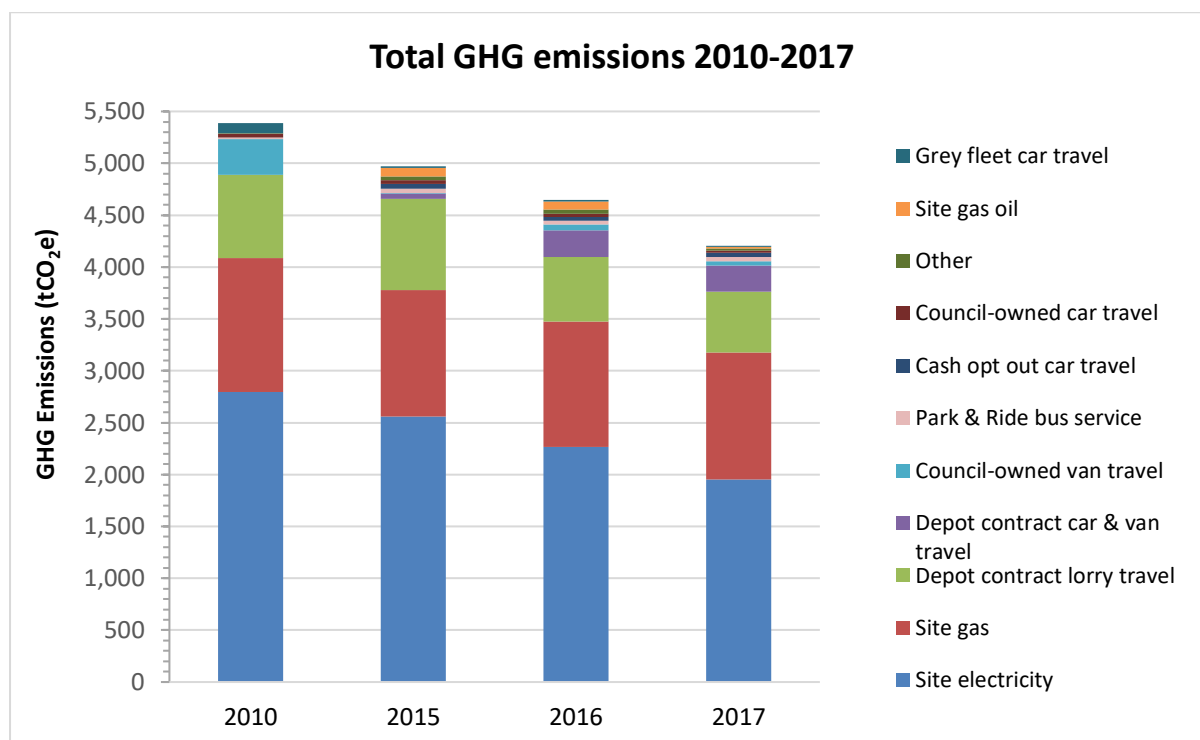
During this assessment it was found that fuel use and travel for the Special Maintenance department had not been included in previous assessments. It has now been added to the current assessment and the 2015/16 results have also been recalculated to include it.

Table 11 and Figure 9 below show historical emissions per activity, as well as Winchester City Council's total carbon footprint, tonnes of CO<sub>2</sub>e per employee and tonnes of CO<sub>2</sub>e per capita.

**Table 11: Winchester City Council's carbon footprint comparison and percentage change**

Element	2010	2015	2016	2017	% change on baseline year (2010)	% change on previous year
Site electricity	2,795.32	2,557.74	2,264.36	1,950.26	-30.2%	-13.9%
Site gas	1,290.79	1,222.98	1,208.10	1,227.42	-4.9%	+1.6%
Depot contract lorry travel	803.95	876.66	625.55	586.66	-27.0%	-6.2%
Depot contract car & van travel	n/a	50.27	255.63	249.19	n/a	-2.5%
Council-owned van travel	344.14	7.51	56.78	43.31	-87.4%	-23.7%
Park & Ride bus service	13.55	38.31	38.09	41.95	+209.6%	+10.1%
Cash opt out car travel	n/a	47.29	32.82	41.39	n/a	+26.1%
Council-owned car travel	39.61	38.19	31.52	20.80	-47.5%	-34.0%
Other <sup>5</sup>	4.24	34.69	43.35	16.03	+278.0%	-63.0%
Site gas oil	n/a	82.51	76.81	15.94	n/a	-79.2%
Grey fleet car travel	97.10	14.90	13.31	10.05	-89.6%	-24.5%
<b>Total tonnes of CO<sub>2</sub>e</b>	<b>5,388.70</b>	<b>4,971.06</b>	<b>4,646.33</b>	<b>4,203.01</b>	<b>-22.0%</b>	<b>-9.5%</b>
<b>Tonnes of CO<sub>2</sub>e per employee</b>	<b>9.45</b>	<b>9.84</b>	<b>9.58</b>	<b>8.63</b>	<b>-8.7%</b>	<b>-9.9%</b>
<b>Tonnes of CO<sub>2</sub>e per capita</b>	<b>0.05</b>	<b>0.042</b>	<b>0.039</b>	<b>0.035</b>	<b>-26.3%</b>	<b>-10.6%</b>

<sup>5</sup> 'Other' includes: motorbike, rail and taxi travel, flights, site petrol, water (and wastewater) and refrigerants.



**Figure 9: Detailed emissions comparison for the various aspects of Winchester City Council's carbon footprint**

Winchester City Council has decreased its total carbon footprint by 22.0% when compared to the baseline year. This is mostly due to a 30.2% decrease in emissions from electricity since the baseline year and 13.9% since the previous year. Since 2016, there has been a 185,079 kWh reduction in electricity consumption, over 60% of which was from sites classed as "other council assets". From further analysis, the Brooks car park has been identified as the main cause of this reduction with a decrease of 118,980 kWh since the previous year. It should also be noted that the emissions factor for electricity has reduced again this year to take into consideration the greater proportion of the national grid made up by renewable energy and the decrease in coal power.

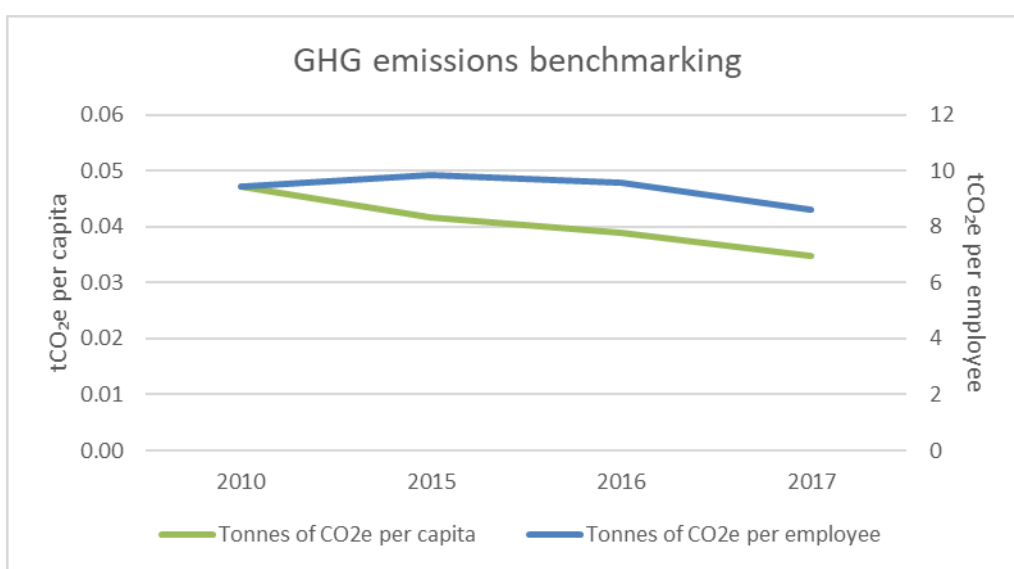
The emissions from gas consumption has increased by 1.6% since the previous year, as a result of a 121,145 kWh increase in consumption. This change is predominantly caused by an increase in gas consumption at sites classed as "other council assets", in particular the Guildhall which accounts for 35% of the increased consumption. Other significant sites include: Abbey House, the Bar End Depot and the addition of Coitbury House which had not been included within previous years assessments. The two leisure centres have seen a decrease of 4.0% having reduced gas consumption by a combined total of 151,212 kWh.

Business travel by car (company car, cash opt-out and grey fleet travel), has reduced by 31,323 miles in total since the previous year. Within this, company car travel saw the most significant reduction whilst cash opt-out travel increased. Mileage driven in electric company vehicles reduced by approximately 10% (1,300 miles) since the previous year.

Overall, total emissions for depot contract car, lorry and van travel, which accounts for transport completed by Biffa and Landscape Group/ID Verde whilst on WCC related work, have reduced by 5.1% since the previous year.

Landscape Group/ID Verde saw an increase of 105.7% in company car travel due to more than double the fuel use since the previous year. However, they also reduced their emissions from van travel by 8.2% as the number of vehicles reduced by almost a third and had a 61.2% decrease in lorry emissions despite an increase in mileage reported. This is because they have increased the level of detail of data given, by providing litres of fuel consumed (however the accuracy of the fuel data is unverified).

Figure 10 below shows WCC’s emissions benchmarked against employee numbers and per capita. When normalised against number of employees and the population figure, WCC has seen a reduction in emissions of 9.9% and 10.6% respectively since the previous year.



**Figure 10: Carbon footprint of Winchester City Council for internal benchmarks**

Carbon Footprint recommends that organisations use the base-year GHG inventory as a benchmark to measure against. When using the base-year GHG inventory as a benchmark, organisations can set realistic reduction targets and measure their progress year on year. This can also provide excellent marketing opportunities, where real figures can demonstrate your commitment towards helping fight climate change.

## 5. Carbon Footprint Standard

### 5.1. Brand endorsement

Winchester City Council, in conjunction with Carbon Footprint Ltd, has assessed its carbon footprint and shown a reduction of 22.0% based on its absolute emissions since the baseline year. By achieving this Winchester City Council has qualified to use the Carbon Footprint Standard branding. This can be used on all marketing materials, including website and customer tender documents, to demonstrate your carbon management achievements.



The Carbon Footprint Standard is recognition of your organisation's commitment to carbon management. The text to the right-hand side of the logo demonstrates what level you have achieved in line with international best practice.

## 6. References

1. BEIS GHG Conversion Factors for Company Reporting (August 2017)
2. Guidelines to Defra's Greenhouse Gas (GHG) Conversion Factors for Company Reporting – annexes (June 2013)
3. The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, Revised Edition (March 2004)

## A. Annex A – Calculation Methodology (Additional Notes)

### A.1 How is the carbon footprint calculated?

Carbon Footprint confirms that the methodology used to quantify the carbon footprint meets the following principles:

- a) The subject and its boundaries have been clearly identified and documented.
- b) The carbon footprint has been based on primary activity data unless the entity could not demonstrate that it was not practicable to do so, in which case an authoritative source of secondary data relevant to the subject was used.
- c) The methodology employed minimised uncertainty and yielded accurate, consistent and reproducible results.
- d) Emission factors used are germane to the activity concerned and current at the time of quantification.
- e) Conversion of non-CO<sub>2</sub> greenhouse gases to CO<sub>2</sub>e has been based upon the 100-year Global Warming Potential figures published by the IPCC or national (Government) publication.
- f) Carbon footprint calculations have been made exclusive of any purchases of carbon offsets.
- g) All carbon footprints have been expressed as an absolute amount in tCO<sub>2</sub>e.

### A.2 Biomass

There are no CO<sub>2</sub> emissions from the combustion of biomass to be considered within this report.

### A.3 Greenhouse gas removals

Within the calculation of Winchester City Council's carbon footprint, there are no business processes resulting in the reduction of greenhouse gases from the atmosphere to be deducted from the calculation.



## B. Annex B – Supplied Data and Emissions Breakdown

This annex shows the data that Winchester City Council has supplied Carbon Footprint Ltd for the calculation of its emissions. At the end of each table one or several columns have been added that display the emissions and calculations associated for each item of data provided by Winchester City Council. It should be noted that the latter has been calculated by Carbon Footprint Ltd, and not provided by Winchester City Council.

### B.1 Data used for Scope 1 emissions assessment

This section contains the data related to the direct emissions attributable to Winchester City Council. These include the energy usage in Winchester City Council's buildings (excluding purchased electricity, since this corresponds to Scope 2, indirect emissions), any company owned vehicle transport and any of the other six greenhouse gases produced.

*Table 12: Data supplied and emissions breakdown for other fuel use*

Type of fuel	Litres	Tonnes of CO <sub>2</sub> e
Gas oil	5,376	15.94
Petrol	2,624	5.76
Petrol – Special Maintenance	267	0.59
<b>Total</b>	<b>8,267</b>	<b>22.30</b>

Table 13: Data supplied and emissions breakdown for energy usage

ID	Site Name	No. of staff	Natural Gas	Natural Gas (tCO <sub>2</sub> e)
WCC	Abbey House	1	60,961	11.22
WCC	City Offices Annex		13,861	2.55
WCC	City Office (apportioned by 10.66% non-Council use)	314	150,382	27.67
WCC	Guildhall	44	267,809	49.28
WCC	Kings Court	105	48,822	8.98
WCC	Museum - The Square		28,483	5.24
WCC	Hyde Lodge - Basement - Wardens Office	13	3,491	0.64
WCC	Hyde Lodge - Ground - Central Control - New Meter		26,447	4.87
WCC	Hyde Lodge - First/Top - Meeting Rooms & Storage		14,857	2.73
WCC	Bar End Depot	8	81,557	15.01
WCC	Registrar's Office		56	0.01
WCC	Coitbury House		139,656	25.70
WCC	Street Lighting		4,806	0.88
<b>Sub Total</b>			<b>841,188</b>	<b>154.78</b>
Housing	Airlie Corner		739	0.14
Housing	Barnes House		272,693	50.17
Housing	Chester Road		1,038	0.19
Housing	Chiltern Court CT Block		17,417	3.20
Housing	Danemark Court		305,616	56.23
Housing	Drummond Close		7,455	1.37
Housing	Eastacre		131,501	24.20
Housing	Godson House		21,206	3.90
Housing	Greens Close Communal Supply		4,894	0.90
Housing	Harwood Place		6,873	1.26
Housing	Hyde Gate Common Room		5,679	1.04
Housing	King Harold Court Block 1		29,234	5.38
Housing	Lawn House		15,359	2.83
Housing	Makins Court Landlords Supply 2		406,506	74.80

ID	Site Name	No. of staff	Natural Gas	Natural Gas (tCO <sub>2</sub> e)
Housing	Matilda Place		226,249	41.63
Housing	Normandy Court Blk A		477,024	87.77
Housing	Old Firmstone Road		1,410	0.26
Housing	Simmonds Court		14,246	2.62
Housing	Spring House		25,341	4.66
Housing	The Valley		1,842	0.34
Housing	Whitewings House		254,532	46.83
<b>Sub Total</b>			<b>2,226,854</b>	<b>409.73</b>
<b>Grand Total</b>			<b>3,068,042</b>	<b>564.51</b>

*Table 14: Data supplied and emissions breakdown for Council-owned van travel*

ID	Registration Plate	Make	Model	Engine cc	Fuel	Travel Distance (miles)	Annual litres fuel	tCO <sub>2</sub> e
Neighbourhood wardens	HN12 OSO	Renault	Kangoo Maxi	1500	Diesel (retail)	2,986	169	0.44
Neighbourhood wardens	HN12 CVU	Renault	Kangoo Maxi	1500	Diesel (retail)	5,146	297	0.78
Neighbourhood wardens	LV15 VRF	Renault	Kangoo Maxi	1500	Diesel (retail)	6,363	323	0.84
Special Maintenance	AN41 ZZX	Ford	Transit Connect 110 T230	1,753	Diesel (retail)		887	2.32
Special Maintenance	AY12 XBA	Ford	Transit 155 T350 Rwd	2,198	Diesel (retail)		1,014	2.65
Special Maintenance	BV04 VPC	Ford	Ranger 4X4 Turbo Diesel	2,499	Diesel (retail)		1,267	3.31
Special Maintenance	VX14 NRF	Hire	Hire		Diesel (retail)		71	0.19
Special Maintenance	AY12 XAZ	Ford	Transit 155 T350 Rwd	2,198	Diesel (retail)		1,708	4.46
Special Maintenance	HX66 XTB	IVECO	Hire		Diesel (retail)		47	0.12
Special Maintenance	BN61 MYK	Daf Trucks	N/A	6,692	Diesel (retail)		7,498	19.58
Special Maintenance	AY12 XAW	Ford	Transit 155 T350 Rwd	2,198	Diesel (retail)		3,305	8.63
<b>Total</b>						<b>14,495</b>	<b>16,585</b>	<b>43.31</b>

**Table 15: Data supplied and emissions breakdown for company owned car transportation**

ID	Registration	Engine cc	Fuel Type	Annual Distance (miles)	tCO <sub>2</sub> e
WCC	HK15 FKF	1,500	Diesel (retail)	239	0.06
WCC	RX14 UTU	1,600	Diesel (retail)	500	0.12
WCC	HJ15 BYD	2,000	Diesel (retail)	3,634	1.04
WCC	HN14 AWF	1600	Diesel (retail)	112	0.03
WCC	LK14 ZBR	1600	Diesel (retail)	164	0.039
WCC	HJ15 HWL	2,000	Diesel (retail)	749	0.21
WCC	LS65 EXF	1,600	Diesel (retail)	1,172	0.28
WCC	HN15 OBZ	1,400	Diesel (retail)	1,156	0.27
WCC	HN65 HKM	1,600	Diesel (retail)	299	0.07
WCC	HK66 HNB	1,400	Petrol (retail)	774	0.25
WCC	HJ15 DZW	1,598	Diesel (retail)	1,441	0.34
WCC	LS15 XJJ	1,600	Diesel (retail)	2,286	0.54
WCC	HN64 LNW	1,000	Petrol (retail)	5,589	1.44
WCC	RV14 YPT	2,000	Diesel (retail)	289	0.08
WCC	HJ65 KPX	2,000	Diesel (retail)	1,642	0.47
WCC	HN64 LHH	900	Petrol (retail)	1,404	0.36
WCC	HN14 OSR	1,500	Diesel (retail)	1,005	0.24
WCC	HT14 BUH	1,600	Diesel (retail)	2,736	0.65
WCC	HF14WWR	1,100	Diesel (retail)	1,539	0.36
WCC	HY14HLM	1,400	Petrol (retail)	888	0.29
WCC	DL64 OPW	1,500	Diesel (retail)	1,510	0.36
WCC	DT65 LKM	1,500	Diesel (retail)	374	0.09
WCC	HV15XWU	1,600	Diesel (retail)	118	0.03
WCC	LS14 UAA	1,600	Diesel (retail)	1,650	0.39
WCC	HV63 YZG	1,600	Diesel (retail)	885	0.21
WCC	HG13 1XL	1,600	Diesel (retail)	368	0.09
WCC	HK65 VBU	2,000	Diesel (retail)	533	0.15
WCC	HV15 KXT	1,600	Diesel (retail)	437	0.10

ID	Registration	Engine cc	Fuel Type	Annual Distance (miles)	tCO <sub>2</sub> e
WCC	HY64 ZGM	1,500	Diesel (retail)	163	0.04
WCC	HY64 ZGM	1,400	Diesel (retail)	43	0.01
WCC	HY10 UDK	1,300	Diesel (retail)	610	0.14
WCC	HJ64 LGY	1,400	Diesel (retail)	1,063	0.25
WCC	HY10 UPX	2,000	Diesel (retail)	59	0.02
WCC	HY12OVA	1,600	Diesel (retail)	765	0.18
WCC	WM66 LPV	1,600	Diesel (retail)	2,092	0.49
WCC	VN1 11B	2,000	Diesel (retail)	172	0.05
WCC	BF14 KUT	1,700	Diesel (retail)	187	0.05
WCC	HG63 OPF	1,600	Diesel (retail)	1,194	0.28
WCC	AK66 WME	1,600	Diesel (retail)	2,077	0.49
WCC	HT65 PXR	1,198	Diesel (retail)	403	0.10
WCC	HY15 NWK	1,600	Diesel (retail)	1,635	0.39
WCC	GX65 HHO	2,000	Diesel (retail)	370	0.11
WCC	LL64 NGE	1,500	Diesel (retail)	672	0.16
WCC	HV14 VFS	1,600	Diesel (retail)	202	0.05
WCC	HJ66 UPL	1,600	Diesel (retail)	1,194	0.28
WCC	HX16 YZE	2,000	Diesel (retail)	190	0.05
WCC	RV64 TMU	1,600	Diesel (retail)	496	0.12
WCC	WP64 EOX	1,500	Diesel (retail)	9,867	2.33
WCC	HJ65 KPX	1,999	Diesel (retail)	932	0.27
WCC	LT12 VFU	1,500	Diesel (retail)	51	0.01
WCC	LY65 FXO	1,500	Diesel (retail)	549	0.13
WCC	HV15 FKB	1,500	Petrol (retail)	169	0.05
WCC	HN15 JYZ	2,000	Diesel (retail)	175	0.05
WCC	HK15 FOV	1,400	Diesel (retail)	583	0.14
WCC	HX16 XFL	2,000	Diesel (retail)	501	0.14
WCC	HY66 EUR	2,000	Diesel (retail)	2,242	0.64
WCC	HV59 RVO	1,600	Diesel (retail)	19	0.00

ID	Registration	Engine cc	Fuel Type	Annual Distance (miles)	tCO <sub>2</sub> e
WCC	DY64 YNP	1,500	Diesel (retail)	813	0.19
WCC	HV65 MXP	1,400	Diesel (retail)	602	0.14
WCC	RE16 CJF	2,000	Petrol (retail)	802	0.26
WCC	HN15 HZB	1,600	Diesel (retail)	508	0.12
WCC	HF16 CXG	1,600	Diesel (retail)	2,280	0.54
WCC	MM15 CHO	1,500	Diesel (retail)	410	0.10
WCC	HF16 CYW	1,400	Petrol (retail)	1,871	0.60
WCC	HN65 OZM	1,600	Diesel (retail)	2,615	0.62
Facilities van	WV66 XBY	n/a	Electric	418	n/a
Facilities van	KV11 CMU	n/a	Electric	717	n/a
Parking	HY65XUF	1600	Diesel (retail)	12,392	0.93
Parking	LE16LFX	1600	Diesel (retail)	11,844	0.89
Parking	WJ11HTF	n/a	Electric	4,377	n/a
Parking	DX13RBU	1500	Diesel (retail)	9,500	0.50
Staff Elec Pool Car	HV64 HRE	n/a	Electric	6,146	n/a
WCC	HJ06 TVN	1,800	Petrol (retail)	400	0.13
WCC	HN56 YXJ	1,999	Petrol (retail)	672	0.22
<b>Total</b>				<b>118,535</b>	<b>20.80</b>

## B.2 Data used for Scope 2 emissions assessment

This section contains the data associated to the energy indirect emissions attributable to Winchester City Council. The table below shows the purchased electricity, heat or steam usage in Winchester City Council's buildings.

**Table 16: Data supplied and emissions breakdown for purchased electricity usage**

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
WCC	Abbey Grounds Store		1,642	0.68
WCC	Abbey House	1	6,645	2.74
WCC	Bowls Pavillion, Gordon Road		1,151	0.47
WCC	Car Park - Brooks		521,870	215.04
WCC	Car Park Misc - Bar End Park & Ride/St Catherines		33,425	13.77
WCC	Car Park Misc - Barfield Close		19,682	8.11
WCC	Car Park Misc - Cattle Market CCTV		2,902	1.20
WCC	Car Park Misc - Gladstone Street		6,134	2.53
WCC	Car Park Misc - Lower Lane Hut Bish Walt		703	0.29
WCC	Car Park Misc - Middle Brook St		6,632	2.73
WCC	Car Park Misc - Middle Brook St Pump		910	0.37
WCC	Car Park Misc - 'Old St Catherines Hut'		4,960	2.04
WCC	Car Park Misc - Tower Street		245,723	101.25
WCC	Car Park - Tower Street - Attendants Room & Public Convenience		18,918	7.80
WCC	Car Park Chesil m/s Car Park - Day		69,546	28.66
WCC	Car Park Chesil m/s Car Park - Night		20,579	8.48
WCC	Car Park - Friarsgate m/s - Day		1,745	0.72
WCC	Car Park - Friarsgate m/s - Night		698	0.29
WCC	Car Park - Park and Ride South - Otterbourne/Hockley		36,531	15.05
WCC	Cricket Pavillion - Low		8,104	3.34
WCC	Cricket Pavillion - Norm		117	0.05

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
WCC	City Offices Annex		13,499	5.56
WCC	City Offices (apportioned by 10.66% for non-Council use)	314	208,396	85.87
WCC	Guildhall	44	410,279	169.06
WCC	F2		35,967	14.82
WCC	Footbridge Bishops Waltham		1,474	0.61
WCC	Kings Court	105	199,986	82.40
WCC	Magdalen Hill Cemetery Lodge		2,821	1.16
WCC	Market Traders Meter (Brooks)		11,293	4.65
WCC	Market Traders Meter (2)		1,887	0.78
WCC	Museum - The Sqaure		13,765	5.67
WCC	Museum - Westgate		6,123	2.52
WCC	Museum - Westgate		6,124	2.52
WCC	6 Middlebrook Street		1,209	0.50
WCC	8 Middle Brook Street/Office Above Bejams/ Car Parks		5,650	2.33
WCC	Public Convenience - Station Road Alresford		3,458	1.42
WCC	Public Convenience - Houchin Street, Bishops Waltham		13,238	5.45
WCC	Public Convenience - Denmead - Kidmore Lane		2,083	0.86
WCC	Public Convenience - Market Street		19,373	7.98
WCC	Public Convenience - Worthy Lane		6,960	2.87
WCC	Public Convenience - Warwick Way, Wickham		5,538	2.28
WCC	Public Convenience - Abbey Grounds Green Box, Ladies & Gents (renovated mens block)		9,982	4.11
WCC	Public Convenience - Discovery Centre		4,437	1.83
WCC	Showcases		3,980	1.64
WCC	Sports Pavilion 2 Milland Road - Low		2,143	0.88
WCC	Sports Pavilion 2 Milland Road - Norm		4,806	1.98
WCC	SPORTS PAVILLION BAR END.		1,920	0.79
WCC	St Georges Street Lighting - Low		2,171	0.89



	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
WCC	St Georges Street Lighting - Norm		1,102	0.45
WCC	Weeke Pond		1,503	0.62
WCC	Baring Close		1,216	0.50
WCC	Beech Grove		560	0.23
WCC	Woodman Close/Church Farm Cottages		1,866	0.77
WCC	Couch Green		965	0.40
WCC	Couch Green, Martyr Worthy		13,656	5.63
WCC	Cricket Close		2,975	1.23
WCC	Hazeldene Gardens		1,218	0.50
WCC	Hilly Close		94	0.04
WCC	Hobbs Close		15,519	6.39
WCC	Hobbs Close Pump House		1,924	0.79
WCC	Kiln Lane		3,626	1.49
WCC	Long Priors		15,162	6.25
WCC	Long Road		13,196	5.44
WCC	North Drive		11,056	4.56
WCC	Northington Road		29,994	12.36
WCC	Old Alresford, Basingstoke Road		307	0.13
WCC	Park Lane		33,757	13.91
WCC	Pound Lane		1,358	0.56
WCC	Widley Walk, Purbrook		12,804	5.28
WCC	St. Andrews Green		362	0.15
WCC	The Brook		1,396	0.58
WCC	The Brook		1,604	0.66
WCC	The Goodens - Peak		131	0.05
WCC	The Goodens - Off Peak		354	0.15
WCC	The Pastures		187	0.08
WCC	The Pastures		1,990	0.82

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
WCC	The Pastures		733	0.30
WCC	Trampers Lane, Birch Hill		1,013	0.42
WCC	Trampers Lane, Wine Cross		9,356	3.86
WCC	Woodlane Close		1,086	0.45
WCC	Woodlane Close		5,969	2.46
WCC	Woodlane Close		2,436	1.00
WCC	Granville Place		149	0.06
WCC	Itchen View		3,115	1.28
WCC	Itchen View - Water Treatment Plant		5,413	2.23
WCC	Elm Crescent		6,347	2.62
WCC	Oak Close		6,529	2.69
WCC	Southbrook Place, Rook Lane		6,419	2.64
WCC	Railway Cottages, Station Road		5,948	2.45
WCC	Hallway, Hollands Close - Day		7,602	3.13
WCC	Hallway, Hollands Close - Night		3,108	1.28
WCC	Hyde Lodge - Basement - Wardens Office	13	5,759	2.37
WCC	Hyde Lodge - Ground - Central Control - New Meter		6,511	2.68
WCC	Hyde Lodge - First/Top - Meeting Rooms & Storage		3,691	1.52
WCC	Basepoint		57,697	23.77
WCC	Bar End Depot	8	22,697	9.35
WCC	Kingswalk, Landlords Supply		22,387	9.22
WCC	Kingswalk, 2nd & 3rd Floor Office		230	0.09
WCC	West Hill Cemetery		1,270	0.52
WCC	Registrars Office		400	0.16
WCC	Barfield Close - Ex TJ Waste		137	0.06
WCC	Unmetered ticket machines		29,892	12.32
WCC	Unmetered CCTV Bishops Waltham		1,313	0.54
WCC	Unmetered Lighting Bishops Waltham 1		569	0.23

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2e</sub> )
WCC	Unmetered Lighting Bishops Waltham 2		12	0.00
WCC	Ticket Machines Wickham Square		1,479	0.61
WCC	High Street Feeder Pillar 1		439	0.18
WCC	High Street Feeder Pillar 2		4,248	1.75
WCC	High Street Feeder Pillar 3		6,348	2.62
WCC	High Street Feeder Pillar 4		8,816	3.63
WCC	High Street Feeder Pillar 5		1,757	0.72
WCC	Coitbury House		29,274	12.06
WCC	New Queens Gate, Stanmore Lane - Landlords Supply		315	0.13
WCC	Street Lighting		55,702	22.95
<b>Sub Total</b>			<b>2,503,227</b>	<b>1,031.45</b>
Housing	Airlie Corner		830	0.34
Housing	Albert Court		17,285	7.12
Housing	Alresford Road 118 - 120 Linkway		8	0.00
Housing	Alresford Road 90 - 92 Linkway		2	0.00
Housing	Ashburton Close 1 - 2		618	0.25
Housing	Ashburton Close 3 - 4		532	0.22
Housing	Ashburton Close 5 - 6		372	0.15
Housing	Barnes House			0.00
Housing	Bartholomew Close		8,970	3.70
Housing	Blanchard Road 26 - 32 Link Stairway		886	0.37
Housing	Blanchard Road 36 - 40 Link Stairway		809	0.33
Housing	Braxton House, Winnall Manor Road	1	12,150	5.01
Housing	Brittany House		37,901	15.62
Housing	Charles Close Flats 15 - 20		184	0.08
Housing	Charles Close Flats 21 - 23		444	0.18
Housing	Charles Close Flats 24 - 27		366	0.15
Housing	Charles Close Flats 28 - 33		777	0.32

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
Housing	Charles Close Flats 34 - 37		320	0.13
Housing	Charles Close Flats 56 - 78		251	0.10
Housing	Charles Close Flats 9 - 14		676	0.28
Housing	Chester Road		5,429	2.24
Housing	Chiltern Court 9 - 16		750	0.31
Housing	Chiltern Court CT Block		2,133	0.88
Housing	Chiltern Court CT Block		940	0.39
Housing	Chiltern Court Flats 1 - 8		1,222	0.50
Housing	Colbourne Court		5,313	2.19
Housing	Colson Close		758	0.31
Housing	Colson Close Flats 1 - 6		1,302	0.54
Housing	Colson Close Flats 13 - 16		447	0.18
Housing	Colson Close Flats 17 - 20		1,129	0.47
Housing	Colson Close Flats 7 - 12		1,113	0.46
Housing	Craddock House		13,469	5.55
Housing	Cripstead Lane		1,405	0.58
Housing	Crockford House		867	0.36
Housing	Dalzell Worthy Road		856	0.35
Housing	Danemark Court		35,422	14.60
Housing	Dennett House		16,153	6.66
Housing	Doctors Lane Alarm System		216	0.09
Housing	Drummond Close		1,731	0.71
Housing	Earle House		15,547	6.41
Housing	Eastacre		2,582	1.06
Housing	Eastacre		1,125	0.46
Housing	Eastacre		14,652	6.04
Housing	Eastacre		779	0.32
Housing	Eastgate Street 31-35 Estab Supply		1,775	0.73

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
Housing	Eastgate Street No 27		3,608	1.49
Housing	Fairdown Close		53	0.02
Housing	Fairdown Close Llds Supply No 6		2	0.00
Housing	Firmstone Road 27a Common Room		854	0.35
Housing	Firmstone Road Flats 105 - 115		547	0.23
Housing	Firmstone Road Flats 117 - 127		408	0.17
Housing	Firmstone Road Flats 129 - 139		830	0.34
Housing	Firmstone Road Flats 141 - 151		485	0.20
Housing	Firmstone Road Flats 153 - 163		484	0.20
Housing	Firmstone Road Flats 31 - 33		624	0.26
Housing	Firmstone Road Flats 69 - 79		317	0.13
Housing	Firmstone Road Flats 81 - 91		511	0.21
Housing	Firmstone Road Flats 93 - 103		692	0.29
Housing	Firmstone Road Staircases		511	0.21
Housing	Firmstone Road Staircases		396	0.16
Housing	Firmstone Road Staircases		278	0.11
Housing	Firmstone Road Staircases		103	0.04
Housing	Firmstone Road Staircases		295	0.12
Housing	Firmstone Road Staircases		313	0.13
Housing	Fleming Place Flats 19-20		566	0.23
Housing	Fleming Place Flats 21 - 22a		550	0.23
Housing	Fleming Place Flats 23-24A		152	0.06
Housing	Fordor Court, 41 St Cross Road		12,824	5.28
Housing	Fraser Road 31-33B		391	0.16
Housing	Fraser Road 35-37B		252	0.10
Housing	Fraser Road 39-41b		468	0.19
Housing	Fraser Road 43 - 45b		283	0.12
Housing	Fraser Road 47-49		257	0.11

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
Housing	Fraser Road 51-53b		474	0.20
Housing	Fraser Road 55-57b		244	0.10
Housing	Fulflood Court		2,425	1.00
Housing	Godson House		25,285	10.42
Housing	Greens Close Communal Supply		2,063	0.85
Housing	Greens Close, Link Stairway 11-17		794	0.33
Housing	Greens Close, Link Stairway 1-7		717	0.30
Housing	Greens Close, Link Stairway 19-25		792	0.33
Housing	Greens Close, Link Stairway 27-33		803	0.33
Housing	Greyfriars Ent 1, Eastgate Street		1,596	0.66
Housing	Greyfriars Ent 2, Eastgate Street		1,753	0.72
Housing	Harwood Place		2,207	0.91
Housing	Harwood Place Block 10a		400	0.16
Housing	Harwood Place Block 10b		919	0.38
Housing	Harwood Place Block 10c		344	0.14
Housing	Harwood Place Block 10d		405	0.17
Housing	Harwood Place Block 10e		294	0.12
Housing	Harwood Place Block 8a		918	0.38
Housing	Harwood Place Block 8b		444	0.18
Housing	Harwood Place Block 9B		827	0.34
Housing	Harwood Place Flats 32-35		347	0.14
Housing	Hyde Gate Common Room		1,859	0.77
Housing	Hyde Gate Flats 11-14		1,007	0.41
Housing	Hyde Gate Flats 15-18		569	0.23
Housing	Hyde Gate Flats 2-3		491	0.20
Housing	Hyde Gate Flats 4-9		566	0.23
Housing	Hyde Gate Floodlighting, King Alfred Place		3,553	1.46
Housing	Hyde Lodge		4,252	1.75

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2e</sub> )
Housing	Hyde Lodge Flats 23-26		9,521	3.92
Housing	Hyde Lodge Flats 3 - 8		2,724	1.12
Housing	Hyde Street, No 69, Landlords Supply		72	0.03
Housing	James Howell Court, Bere Road		2,486	1.02
Housing	King Alfred Place Flats 21- 23		516	0.21
Housing	King Alfred Place Flats 24 - 28		844	0.35
Housing	King Harold Court Block 1		13,114	5.40
Housing	King Harold Court Block 2		334	0.14
Housing	King Harold Court Block 3		9,828	4.05
Housing	King Harold Court Block 4		802	0.33
Housing	Lawn House		1,736	0.72
Housing	Lawn House Block 2		1,554	0.64
Housing	Lawn House Block 3		2,080	0.86
Housing	Lawn House Block 4		2,032	0.84
Housing	Lawn House Block 5		1,388	0.57
Housing	Lawn House Block 6		1,760	0.73
Housing	Lawn House Comm Centre		3,119	1.29
Housing	Lent Hill Court		25,757	10.61
Housing	Lisle Court Block A		5,977	2.46
Housing	Lisle Court Block B		1,012	0.42
Housing	Lower Brook Street 2-23 A		318	0.13
Housing	Makins Court Landlords Supply 2		37,890	15.61
Housing	Matilda Place		31,930	13.16
Housing	Meon House		2,888	1.19
Housing	Mildmay Court Flats 1-6		1,713	0.71
Housing	Mildmay Court Flats 1-6		4,692	1.93
Housing	Mildmay Court Flats 1-6		3,722	1.53
Housing	Mildmay Court Flats 18-26		16,604	6.84

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
Housing	Milland Road 16-19		884	0.36
Housing	Milland Road 17-20		1,263	0.52
Housing	Milland Road 22-25		938	0.39
Housing	Milland Road 26-33		1,572	0.65
Housing	Milland Road 34-37		723	0.30
Housing	Milland Road Common Room		4,486	1.85
Housing	Monks Road STR Lighting		1,206	0.50
Housing	Monks Road STR Lighting		241	0.10
Housing	Normandy Court Blk A		5,376	2.22
Housing	Normandy Court Blk B		4,033	1.66
Housing	Normandy Court Blk C		7,190	2.96
Housing	Normandy Court Blk D		5,340	2.20
Housing	Normandy Court Blk E		5,674	2.34
Housing	Old Firmstone Road			0.00
Housing	Orchard Close Block 2 Flats 25-28		460	0.19
Housing	Orchard Close Block 3 Flats 21-24		721	0.30
Housing	Orchard Close Block 4 Flats 17-20		542	0.22
Housing	Orchard Close Block 5 Flats 29-32		544	0.22
Housing	Orchard Close Block 8 Flats 1-4		823	0.34
Housing	Orchard Close Block 8 Flats 5-8		432	0.18
Housing	Parmiter House Wales Street		1,855	0.76
Housing	Paulet Place Landlords Supply		630	0.26
Housing	Penton Place on Milland Road		939	0.39
Housing	Penton Place on Milland Road		1,191	0.49
Housing	Pound Road Block 6 A		361	0.15
Housing	Pound Road Block 6 B Fls 11		466	0.19
Housing	Pound Road Block 7		824	0.34
Housing	Pound Road Block 7 A		443	0.18



	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
Housing	Pound Road Block 7 Flats 41-47		640	0.26
Housing	Pound Road Flats 14 - 20		364	0.15
Housing	Pound Road Flats 2 - 12		306	0.13
Housing	Pound Road Flats 21 - 27		342	0.14
Housing	Pound Road Flats 22 - 28		502	0.21
Housing	Pound Road Flats 30 - 36		581	0.24
Housing	Pound Road Flats 37 - 39		450	0.19
Housing	Pound Road Flats 38 - 44		349	0.14
Housing	Princes Place Lk Sw 9-15		571	0.24
Housing	Quarry Road Flats 59 - 65		18	0.01
Housing	Ramsay Road Block 11 F		311	0.13
Housing	Richard Moss House		63,168	26.03
Housing	Riverside House		765	0.32
Housing	Riverside House		1,092	0.45
Housing	Riverside House		1,502	0.62
Housing	Robertson Road Flats 1 - 2a		93	0.04
Housing	Robertson Road Flats 11-12		520	0.21
Housing	Robertson Road Flats 13 - 14a		300	0.12
Housing	Robertson Road Flats 3-4		426	0.18
Housing	Robertson Road Flats 5-6		324	0.13
Housing	Robertson Road Flats 7-8		302	0.12
Housing	Robertson Road Flats 9-10		223	0.09
Housing	Simmonds Court		7,093	2.92
Housing	Simmonds Court Flats 5-8		411	0.17
Housing	Simonds Court Flats 1-4		537	0.22
Housing	Simonds Court Flats 9-12		911	0.38
Housing	Somerville Road 10 - 12a		407	0.17
Housing	Somerville Road 14 - 16a		280	0.12
Housing	Somerville Road 6 - 8a		470	0.19

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
Housing	Spicers Court Landlords Supply		1,415	0.58
Housing	Spring House		1,898	0.78
Housing	Spring House Close Flats 11-12		463	0.19
Housing	Spring House Close Flats 13-18		916	0.38
Housing	Spring House Close Flats 1-4		537	0.22
Housing	Spring House Close Flats 19-24		546	0.22
Housing	Spring House Close Flats 25-30		478	0.20
Housing	Spring House Close Flats 31-36		545	0.22
Housing	Spring House Close Flats 5-10		545	0.22
Housing	St Bedes Court		1,169	0.48
Housing	St James Terrace No 3 Landlords Supply		473	0.19
Housing	St Johns Street No 10 Landlords Supply		1,906	0.79
Housing	Stanmore Library		91	0.04
Housing	Sussex Street 84 - 86	1	3,129	1.29
Housing	Sussex Street No 86		39,654	16.34
Housing	Test House Milland Road		2,610	1.08
Housing	The Valley		1,930	0.80
Housing	The Valley, Block 1		390	0.16
Housing	The Valley, Block 2		222	0.09
Housing	The Valley, Block 3		206	0.08
Housing	The Valley, Block 4		642	0.26
Housing	The Valley, Block 5		362	0.15
Housing	The Valley, Block 6		247	0.10
Housing	The Valley, Block 7		396	0.16
Housing	The Valley, Block 8		285	0.12
Housing	The Valley, Block 9		1,035	0.43
Housing	Thurmond Crescent Flats 41 - 46		1,664	0.69
Housing	Thurmond Crescent Flats 47 - 52		709	0.29
Housing	Thurmond Crescent Flats 53 - 58		930	0.38
Housing	Thurmond Crescent Flats 59 - 64		987	0.41
Housing	Thurmond Crescent Flats 65 - 70		982	0.40
Housing	Thurmond Crescent Flats 71 - 76		858	0.35
Housing	Trussell Crescent Blk 1		3,167	1.30

	Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO <sub>2</sub> e)
Housing	Trussell Crescent Blk 2		3,206	1.32
Housing	TV amplifier, Brookside Close 37, Denmead		253	0.10
Housing	TV Amplifier, Springvale 15, Swanmore		875	0.36
Housing	Wales Street		1,184	0.49
Housing	Water Lane Landlords Supply Block 5		535	0.22
Housing	Whitewings House		69,683	28.71
Housing	Windsor House, Lawn Street		2,012	0.83
Housing	Windsor House, Lawn Street		2,537	1.05
Housing	Windsor House, Lawn Street		2,025	0.83
Housing	Woolford Close Flats 10 - 15		945	0.39
Housing	Woolford Close Flats 16-25		1,639	0.68
Housing	Woolford Close Flats 1-9		1,979	0.82
Housing	Woolford Close Flats 32-37		1,446	0.60
Housing	Woolford Close Flats 38-47		1,123	0.46
Housing	Woolford Close Flats 6-7		1,240	0.51
<b>Sub Total</b>			<b>774,795</b>	<b>319.16</b>
<b>Grand Total</b>		<b>476</b>	<b>3,278,022</b>	<b>1,350.61</b>

### B.3 Data used for Scope 3 emissions assessment

The tables below demonstrate the council's employee business travel (not including staff commuting), any outsourced transport, and emissions from the transmission and distribution of purchased energy.

**Table 17: Data supplied and emissions breakdown for depot contract car travel**

Contractor	Registration Plate	Make & Model	Engine CC	Fuel Type	Annual Mileage	Annual Litres Fuel	tCO <sub>2</sub> e
Landscape Group	DT65 DHV	Mercedes A180	1,600	Diesel (retail)	22,436	4,589.0	11.98
Landscape Group	DP16 VYU	Vauxhall Astra	1,600	Diesel (retail)	10,701	2,180.0	5.69
Landscape Group	DE17 DVA	Volvo V40	2,000	Diesel (retail)	21,000	4,295.0	11.22
<b>Total</b>					<b>54,137</b>	<b>11,064</b>	<b>28.90</b>

**Table 18: Data supplied and emissions breakdown for depot contract van travel**

Contractor	Registration Plate	Make	Model	Engine CC	Fuel	Travel Distance (miles)	Annual litres fuel	tCO <sub>2</sub> e
Landscape Group	BF65 PBU	Ford	Transit tipper	2,200	Diesel (retail)	7,410	1,515	3.96
Landscape Group	BG63 KVO	Ford	Transit tipper	2,200	Diesel (retail)	27,248	5,573	14.55
Landscape Group	BX15 FOT	Mercedes	Sprinter	2,200	Diesel (retail)	10,140	2,074	5.42
Landscape Group	BX15 FOU	Mercedes	Sprinter	2,200	Diesel (retail)	15,028	3,073	8.03
Landscape Group	DP16 VUH	Vauxhall	Movano	2,200	Diesel (retail)	22,880	4,680	12.22
Landscape Group	DP16 UVH	Vauxhall	Movano	2,200	Diesel (retail)	10,296	2,106	5.50
Landscape Group	DS16 GWO	Vauxhall	Movano	2,200	Diesel (retail)	18,148	3,712	9.69
Landscape Group	DY17 GHH	Vauxhall	Movano	2,200	Diesel (retail)	29,380	6,009	15.69
Landscape Group	MV16 GHB	Ford	Transit tipper	2,200	Diesel (retail)	28,236	5,775	15.08
Landscape Group	WX12 EDO	Peugeot	Boxer	1,600	Diesel (retail)	13,156	2,691	7.03
Landscape Group	BK62 LVR	Fiesta	Van	1,600	Diesel (retail)	12,480	2,552	6.66
Landscape Group	BK62 VHA	Ford	Transit bin/lift	2,200	Diesel (retail)	13,260	2,712	7.08
Landscape Group	BT61 H MV	Ford	Ranger	2,600	Diesel (retail)	8,887	1,817	4.75
Landscape Group	BT62 FAM	Ford	Transit	2,200	Diesel (retail)	11,435	2,338	6.11
Landscape Group	DN63 KTJ	Ford	Transit	2,200	Diesel (retail)	6,672	1,364	3.56
Landscape Group	DX16 OTL	Ford	Transit	2,200	Diesel (retail)	27,300	5,584	14.58
Landscape Group	DX16VXC	Vauxhall	Movano	2,200	Diesel (retail)	7,399	1,513	3.95

Contractor	Registration Plate	Make	Model	Engine CC	Fuel	Travel Distance (miles)	Annual litres fuel	tCO <sub>2</sub> e
Landscape Group	DY17 WUB	Vauxhall	Movano	2,200	Diesel (retail)	24,128	4,935	12.89
Landscape Group	DY66 LKL	Vauxhall	Movano	2,200	Diesel (retail)	9,100	1,861	4.86
Landscape Group	DY66 LRZ	Vauxhall	Movano	2,200	Diesel (retail)	12,740	2,605	6.80
Landscape Group	HJ09 MGY	Citroen	Berlingo	1,600	Diesel (retail)	3,166	647	1.69
Landscape Group	KN58 TFV	Peugeot	Blipper	1,400	Diesel (retail)	5,590	1,143	2.99
Landscape Group	SH15 WUE	Vauxhall	Movano	2,200	Diesel (retail)	14,196	2,903	7.58
Landscape Group	SH15 WYL	Vauxhall	Movano	2,200	Diesel (retail)	9,464	1,935	5.05
Landscape Group	WX13 ENU	Peugeot	TIPPER	2,200	Diesel (retail)	7,384	1,510	3.94
Biffa	GK61 FKE	Fiat	Doblo	1,900	Diesel (retail)	16,169	1,878	4.90
Biffa	MV54WRZ	Ford	Ranger	1,900	Diesel (retail)	16,728	2,106	5.50
Biffa	NY14FJJ	Peugeot	Partner	1,600	Diesel (retail)	24,750	3,720	9.72
Biffa	GF61 LLO	Mercedes	Sprinter	1,600	Diesel (retail)	25,197	4,020	10.50
<b>Total</b>						<b>437,966</b>	<b>84,351</b>	<b>220.29</b>

**Table 19: Data supplied and emissions breakdown for depot contract lorry travel**

ID	Registration Plate	Engine cc	Type of Lorry	Travel Distance (Miles)	Annual litres fuel	tCO <sub>2</sub> e
Landscape Group	DK57FWF	4500	ALL HGVs (UK average)	17,264	3,531	9.22
Biffa	AY58FEM	6,370	Rigid >17t	3,466	3,177	8.30
Biffa	AY58 FEO	6,370	Rigid >17t	3,170	2,906	7.59
Biffa	GK12TYA	4,250	Rigid >7.5-17t	3,672	3,365	8.79
Biffa	GK61XTC	2,998	Rigid >3.5-7.5t	6,200	5,683	14.84
Biffa	GK61XTE	4,250	Rigid >7.5-17t	6,843	6,272	16.38
Biffa	GL11CPX	7,146	Rigid >7.5-17t	5,678	5,204	13.59
Biffa	VU11HPO	7,146	Rigid >17t	6,767	6,203	16.20
Biffa	VU61HKT	7,146	Rigid >17t	9,445	8,656	22.61
Biffa	VU61HKV	7,146	Rigid >17t	11,177	10,244	26.75
Biffa	VU61HKW	7,146	Rigid >17t	7,642	7,004	18.29
Biffa	VU61HKX	7,146	Rigid >17t	10,449	9,577	25.01
Biffa	VU61HKY	7,146	Rigid >17t	9,438	8,650	22.59
Biffa	VU61HKZ	7,146	Rigid >17t	8,512	7,802	20.38
Biffa	VU61HLA	7,146	Rigid >17t	10,186	9,336	24.38
Biffa	VU61HLC	7,146	Rigid >17t	9,221	8,451	22.07
Biffa	VU61HLD	7,146	Rigid >17t	9,711	8,900	23.24
Biffa	VU61HLE	7,146	Rigid >17t	7,748	7,101	18.55

ID	Registration Plate	Engine cc	Type of Lorry	Travel Distance (Miles)	Annual litres fuel	tCO <sub>2</sub> e
Biffa	VU61HLF	7,146	Rigid >17t	8,481	7,773	20.30
Biffa	VU61HLG	7,146	Rigid >17t	7,573	6,941	18.13
Biffa	VU61HLH	7,146	Rigid >17t	8,690	7,965	20.80
Biffa	VU61HLJ	7,146	Rigid >17t	9,853	9,031	23.59
Biffa	VU61HLK	7,146	Rigid >17t	7,569	6,937	18.12
Biffa	VU61HLM	7,146	Rigid >17t	12,250	11,228	29.32
Biffa	VU61HLN	7,146	Rigid >17t	11,759	10,778	28.15
Biffa	VU61HLO	7,146	Rigid >17t	9,659	8,853	23.12
Biffa	VU61HLP	7,146	Rigid >17t	8,415	7,713	20.14
Biffa	VU61HLR	7,146	Rigid >17t	10,082	9,241	24.13
Biffa	VU61HLV	7,146	Rigid >17t	8,880	8,139	21.26
Biffa	VU61HLW	7,146	Rigid >17t	8,696	7,970	20.82
<b>Total</b>				<b>258,496</b>	<b>224,632</b>	<b>586.66</b>

*Table 20: Data supplied and emissions breakdown for staff business travel by employee owned car (grey fleet)*

Type	Registration Plate	Engine CC	Fuel Type	Annual Mileage	tCO <sub>2</sub> e
Casual	VN07SYZ	2200	Diesel (retail)	406	0.15
Casual	FL59 XWG	1600	Petrol (retail)	37	0.01
Casual	HK14 HCU	1900	Petrol (retail)	669	0.22
Casual	HY65 VLA	1000	Petrol (retail)	332	0.09
Casual	DV62 UWO	1000	Petrol (retail)	37	0.01
Casual	FR12 BNY	1796	Diesel (retail)	17	0.005
Casual	X983JBP	1,600	Petrol (retail)	634	0.20
Casual	CU14 ANE	1,000	Petrol (retail)	85	0.02
Casual	HD05 HVV	1,800	Petrol (retail)	2,211	0.71
Casual	ES11 DAV	1,200	Petrol (retail)	991	0.26
Casual	HV15 NJO	1,200	Petrol (retail)	1,412	0.36
Casual	RV04 ZMY	1,368	Petrol (retail)	39	0.01
Casual	OV06 UEJ	2,000	Petrol (retail)	630	0.20
Casual	WF11 YWL	1,700	Diesel (retail)	182	0.05
Casual	HV65 YDB	1,600	Diesel (retail)	122	0.03

Type	Registration Plate	Engine CC	Fuel Type	Annual Mileage	tCO <sub>2</sub> e
Casual	RF04 HAX	2,000	Diesel (retail)	38	0.01
Casual	RE16 DAU	1,600	Diesel (retail)	32	0.01
Casual	HX52 TBU	1,000	Petrol (retail)	629	0.16
Casual	NL07 LFA	1,600	Petrol (retail)	352	0.11
Casual	WV08FHN	1,400	Petrol (retail)	19	0.01
Casual	HK64 NFY	2,000	Diesel (retail)	110	0.03
Casual	HV02 JHE	993	Petrol (retail)	99	0.03
Casual	HU14 BXS	1,000	Petrol (retail)	78	0.02
Casual	OY02NUK	2,000	Petrol (retail)	599	0.19
Casual	WU05 ULV	1,600	Petrol (retail)	25	0.01
Casual	HN06 FEH	1,900	Diesel (retail)	1,440	0.41
Casual	HJ57 VMF	1,200	Petrol (retail)	758	0.20
Casual	MX57 YSN	2,200	Petrol (retail)	66	0.03
Casual	HY09 XEC	1,200	Petrol (retail)	567	0.15
Casual	DK58 YKS	1,600	Petrol (retail)	191	0.06
Casual	FE13 YXK	2,000	Petrol (retail)	40	0.01
Casual	HY52 LLM	1,600	Petrol (retail)	163	0.05
Casual	HVO8 EUU	1,400	Petrol (retail)	34	0.01
Casual	HV08 LLZ	252	Petrol (retail)	252	0.06
Casual	LT08 GYD	1,800	Petrol (retail)	34	0.01
Casual	HJ05 ZYG	1,400	Petrol (retail)	7,166	2.31
Casual	DV08 ULY	2,200	Diesel (retail)	599	0.22
Casual	HV14 HMG	1,200	Petrol (retail)	684	0.17
Members	HV13 UVO	1,200	Petrol (retail)	798	0.21
Members	HV60 ONM	3,000	Diesel (retail)	224	0.08
Members	KW13 TZM	2,000	Diesel (retail)	454	0.13
Members	HN64 HJU	1,600	Petrol (retail)	1,193	0.38
Members	HJ58 CTF	2,700	Diesel (retail)	279	0.10
Members	T4 PKM	2,000	Petrol (retail)	26	0.01
Members	R25 DCM	2,700	Diesel (retail)	984	0.36
Members	HY59 UHB	1,200	Petrol (retail)	40	0.01

Type	Registration Plate	Engine CC	Fuel Type	Annual Mileage	tCO <sub>2</sub> e
Members	HY59 OGE	1,600	Diesel (retail)	304	0.07
Members	HV09 DFE	1,300	Petrol (retail)	64	0.02
Members	HY55 UDP	1,798	Petrol (retail)	216	0.07
Members	HK65 VOY	1,500	Diesel (retail)	3,188	0.75
Members	R11FEL	2,000	Petrol (retail)	384	0.12
Members	HK08HWP	2,000	Diesel (retail)	1,046	0.30
Members	99JXD	1,400	Petrol (retail)	110	0.04
Members	EOU14 AHU	1,582	Diesel (retail)	3,401	0.80
<b>Total</b>				<b>34,490</b>	<b>10.05</b>

*Table 21: Data supplied and emissions breakdown for staff business travel by cash opt out car*

Registration Plate	Engine cc	Fuel Type	Annual Distance (Miles)	tCO <sub>2</sub> e
RA07 FXC	1,400	Diesel (retail)	689	0.16
HY15 AEE	1,200	Petrol (retail)	713	0.18
YE05 KZC	1,400	Diesel (retail)	966	0.23
FV63 ZKS	1,200	Petrol (retail)	363	0.09
FL59 XWG	1,200	Petrol (retail)	331	0.09
P958 GKR	1,200	Petrol (retail)	695	0.18
NG54 CBF	1,600	Petrol (retail)	437	0.14
YP51 LHD	1,150	Petrol (retail)	420	0.11
S299 VBO	1,600	Petrol (retail)	8,309	2.68
GU09 PUJ	1,400	Petrol (retail)	2,159	0.70
YT09 FDN	1,600	Petrol (retail)	3,992	1.29
DN10 NDJ	1,400	Petrol (retail)	115	0.04
HV66 NLU	1,200	Petrol (retail)	1,038	0.27
HY66 YHE	1,200	Petrol (retail)	379	0.10
DG59 KOX	1,400	Petrol (retail)	5,686	1.83
RE59 UAU	1,598	Petrol (retail)	3,003	0.97
GV08 BZA	2,000	Diesel (retail)	944	0.27
KN59 WNW	1,600	Diesel (retail)	2,216	0.52
HV12 VKM	2,200	Petrol (retail)	554	0.26
HG58 FKW	1,600	Petrol (retail)	3	0.001



Registration Plate	Engine cc	Fuel Type	Annual Distance (Miles)	tCO <sub>2</sub> e
RJ60 CKV	1,200	Petrol (retail)	2,030	0.52
HN09 OSC	2,000	Diesel (retail)	269	0.08
YL64 AWF	1,500	Diesel (retail)	757	0.18
RV03 VMG	2,000	Petrol (retail)	73	0.02
DN09 KFD	2,000	Diesel (retail)	269	0.08
GJ59 EPZ	2,500	Petrol (retail)	509	0.24
VN09 FUO	2,000	Diesel (retail)	1,400	0.40
HF14 MKM	1,600	Diesel (retail)	1,766	0.42
HG56 HNN	1,600	Petrol (retail)	148	0.05
HK64 KXC	1,796	Petrol (retail)	1,161	0.37
HN08 XZR	1,400	Petrol (retail)	1,034	0.33
GJ03 VFE	1,200	Petrol (retail)	1,032	0.27
WF11 YWL	1,700	Diesel (retail)	634	0.18
YE54 OWH	1,600	Diesel (retail)	2,580	0.61
HG58 5ZD	1,400	Diesel (retail)	2,339	0.55
RG07 KFA	2,700	Petrol (retail)	1,317	0.62
VN53 DWZ	1,600	Petrol (retail)	3,286	1.06
HS03 HZV	1,600	Petrol (retail)	2,469	0.80
VK62YXG	2,000	Diesel (retail)	898	0.26
DV05 ONP	1,800	Petrol (retail)	73	0.02
W143 SGB	1,200	Petrol (retail)	228	0.06
HT66 NFX	1,400	Petrol (retail)	286	0.09
250XXD	1,900	Petrol (retail)	1,615	0.52
DA61 PDV	1,400	Petrol (retail)	5,852	1.89
N107 TVC	2,000	Petrol (retail)	370	0.12
HN04 ULF	1,400	Petrol (retail)	433	0.14
HS03 OCE	2,500	Petrol (retail)	448	0.21
HY10OUS	1,400	Diesel (retail)	3,488	0.82
HK60 LHX	1,400	Diesel (retail)	854	0.20
VK58YMU	1,400	Diesel (retail)	2,144	0.51
HV65 OMU	1,000	Petrol (retail)	889	0.23
HY60 JDF	1,300	Diesel (retail)	2,839	0.67
OY02 NUK	2,000	Petrol (retail)	140	0.05
HJ03BLF	1,800	Petrol (retail)	374	0.12

Registration Plate	Engine cc	Fuel Type	Annual Distance (Miles)	tCO <sub>2</sub> e
AF56UNH	2,200	Diesel (retail)	3,198	1.16
HY10 OTK	1,400	Petrol (retail)	2,791	0.90
AJ09 OMO	1,997	Diesel (retail)	375	0.11
HG60 DLK	1,240	Petrol (retail)	299	0.08
EF61 CHZ	1,600	Diesel (retail)	833	0.20
GJ60 NGN	1,400	Petrol (retail)	479	0.15
CE59 OJR	1,400	Diesel (retail)	1,292	0.31
P4 ALP	2,000	Petrol (retail)	1,556	0.50
MX57 YSN	2,200	Petrol (retail)	481	0.23
NJ56 HGF	2,000	Diesel (retail)	139	0.04
PE11 KBX	1,700	Diesel (retail)	3,562	1.02
HT04 WMG	1,200	Diesel (retail)	830	0.20
HV04 RXK	4,400	Petrol (retail)	4,112	1.95
WV56 AHA	1,900	Diesel (retail)	250	0.07
YD16 EHM	1,598	Diesel (retail)	225	0.05
HN59 UXL	1,400	Petrol (retail)	625	0.20
HN65 NVV	1,000	Petrol (retail)	1,524	0.39
DF62 LJO	1,400	Diesel (retail)	1,091	0.26
GV54TKF	1,100	Diesel (retail)	338	0.08
FV03 ECD	2,100	Petrol (retail)	424	0.20
WM04 TRX	2,000	Diesel (retail)	1,440	0.41
HY52 ZKN	1,400	Petrol (retail)	1,457	0.47
HY65 VLE	1,600	Diesel (retail)	2,047	0.48
PX13 YOG	1,600	Petrol (retail)	2,319	0.75
HN05 RZS	1,800	Petrol (retail)	388	0.13
FV56 SEY	1,249	Petrol (retail)	1,293	0.33
VO52 ODC	1,600	Petrol (retail)	1,934	0.62
RA55 HLR	1,295	Petrol (retail)	148	0.04
HX16 LKM	2,000	Petrol (retail)	100	0.03
KU11 GXM	2,000	Petrol (retail)	429	0.14
GU64 FTO	1,965	Diesel (retail)	825	0.24
EJ06 YMW	2,500	Petrol (retail)	5,892	2.79
YT56XAH	1,200	Petrol (retail)	1,431	0.37
HV63 MKD	1,200	Petrol (retail)	444	0.11

Registration Plate	Engine cc	Fuel Type	Annual Distance (Miles)	tCO <sub>2</sub> e
YY11VPR	1,461	Diesel (retail)	1,686	0.40
RY53 VAT	1,400	Unknown	43	0.01
HV05MPX	2,000	Petrol (retail)	614	0.20
HK53 GHZ	1,600	Petrol (retail)	573	0.18
RA05 CCE	1,200	Petrol (retail)	2499	0.64
S297 BAA	1,900	Diesel (retail)	6450	1.84
HV12 RUR	1,198	Petrol (retail)	186	0.05
BV58NFC	1,400	Petrol (retail)	612	0.20
RX65 VZU	1,400	Petrol (retail)	224	0.07
<b>Total</b>			<b>134,474</b>	<b>41.39</b>

*Table 22: Data supplied and emissions breakdown for staff business travel by train*

Train Type	No. of Passenger Trips	Origin	Destination	Return Trip?	Distance (km)	Emissions (tCO <sub>2</sub> e)
National rail	5	Alton	London	Yes	80.0	0.04
National rail	1	Ambergate	London	Yes	235.0	0.02
National rail	1	Andover	London	Yes	114.0	0.01
National rail	2	Andover	Reading	Yes	13.0	0.003
National rail	2	Basingstoke	Eastleigh	Yes	45.6	0.01
National rail	11	Basingstoke	London	Yes	77.6	0.08
National rail	2	Basingstoke	Winchester	Yes	33.0	0.01
National rail	1	Birmingham	Winchester	Yes	211.0	0.02
National rail	1	Bournemouth	Banbury	Yes	195.0	0.02
National rail	4	Bournemouth	London	Yes	168.0	0.07
National rail	1	Bristol	Manchester	Yes	270.0	0.03
National rail	1	Bristol	Whitchurch	Yes	220.0	0.02
National rail	1	Chandlers Ford	Andover	Yes	40.4	0.004
National rail	1	Chippenham	Birmingham	Yes	183.0	0.02
National rail	4	Chippenham	Bristol	Yes	45.9	0.02
National rail	1	Chippenham	Christchurch	Yes	101.0	0.01
National rail	3	Chippenham	Dorking	Yes	176.0	0.05
National rail	1	Chippenham	East Malling	Yes	223.0	0.02

Train Type	No. of Passenger Trips	Origin	Destination	Return Trip?	Distance (km)	Emissions (tCO <sub>2</sub> e)
National rail	2	Chippenham	Godalming	Yes	148.0	0.03
National rail	1	Chippenham	London	Yes	159.0	0.02
National rail	3	Chippenham	Oxford	Yes	86.6	0.03
National rail	1	Chippenham	Oxted	Yes	191.0	0.02
National rail	2	Chippenham	Reigate	Yes	179.0	0.03
National rail	1	Crewe	Ambergate	Yes	99.0	0.01
National rail	1	Crewe	London	Yes	288.0	0.03
National rail	1	Crewe	Milton Keynes	Yes	198.0	0.02
National rail	1	Crewe	Winchester	Yes	295.0	0.03
National rail	1	Darlington	Dorking	Yes	446.0	0.04
National rail	1	Derby	Whitchurch	Yes	103.0	0.01
National rail	1	Dorking	Bristol	Yes	208.0	0.02
National rail	1	Dorking	Oxted	Yes	28.4	0.003
National rail	1	Dorking	Reigate	Yes	11.1	0.001
National rail	1	East Malling	Ely	Yes	166.0	0.02
National rail	2	Eastleigh	Basingstoke	Yes	45.2	0.01
National rail	1	Eastleigh	Bristol	Yes	155.0	0.02
National rail	1	Eastleigh	Gatwick	Yes	144.0	0.01
National rail	1	Eastleigh	Horsham	Yes	110.0	0.01
National rail	1	Eastleigh	Leeds	Yes	380.0	0.04
National rail	30	Eastleigh	London	Yes	117.0	0.34
National rail	2	Eastleigh	Northampton	Yes	210.0	0.04
National rail	1	Ely	Wareham	Yes	337.0	0.03
National rail	2	Fareham	Basingstoke	Yes	71.7	0.01
National rail	10	Fareham	London	Yes	126.0	0.12
National rail	1	Farnborough	London	Yes	56.3	0.01
National rail	3	Havant	London	Yes	114.0	0.03
National rail	1	Havant	Winchester	Yes	48.1	0.005
National rail	1	Hedge End	Basingstoke	Yes	55.8	0.01
National rail	1	Hedge End	Horsham	Yes	98.8	0.01

Train Type	No. of Passenger Trips	Origin	Destination	Return Trip?	Distance (km)	Emissions (tCO <sub>2</sub> e)
National rail	3	Hedge End	London	Yes	128.0	0.04
National rail	1	Hinton Admiral	Birmingham	Yes	261.0	0.03
National rail	1	Hook	Basingstoke	Yes	10.5	0.001
National rail	1	Kings Lyn	Wareham	Yes	380.0	0.04
National rail	1	London	Crewe	Yes	289.0	0.03
National rail	1	London	London	Yes	10.0	0.001
National rail	1	London	Winchester	Yes	119.0	0.01
National rail	1	Manchester	Darlington	Yes	178.0	0.02
National rail	2	Manchester	Manchester	Yes	10.0	0.002
National rail	1	Milton Keynes	Crewe	Yes	198.0	0.02
National rail	1	Milton Keynes	Hemel Hempstead	Yes	51.1	0.005
National rail	1	Netley	Basingstoke	Yes	61.6	0.01
National rail	1	Netley	Brighton	Yes	102.0	0.01
National rail	30	Netley	Chichester	Yes	48.2	0.14
National rail	1	Netley	Havant	Yes	32.0	0.003
National rail	1	Netley	Manchester	Yes	371.0	0.04
National rail	1	Newbury	London	Yes	100.0	0.01
National rail	1	Newport	London	Yes	100.0	0.01
National rail	1	Overton	Liverpool	Yes	350.0	0.03
National rail	1	Overton	London	Yes	101.0	0.01
National rail	3	Petersfield	London	Yes	92.1	0.03
National rail	1	Pewsey	London	Yes	137.0	0.01
National rail	1	Pokesdown	London	Yes	165.0	0.02
National rail	1	Poole	London	Yes	174.0	0.02
National rail	1	Portchester	London	Yes	121.0	0.01
National rail	5	Portsmouth	London	Yes	118.0	0.06
National rail	1	Reigate	Chippenham	Yes	178.0	0.02
National rail	1	Romsey	Bristol	Yes	109.0	0.01
National rail	1	Salisbury	Basingstoke	Yes	62.0	0.01
National rail	3	Salisbury	London	Yes	137.0	0.04

Train Type	No. of Passenger Trips	Origin	Destination	Return Trip?	Distance (km)	Emissions (tCO <sub>2</sub> e)
National rail	1	Sholing	London	Yes	131.0	0.01
National rail	1	Southampton	Havant	Yes	40.3	0.004
National rail	32	Southampton	London	Yes	123.0	0.38
National rail	2	Totton	London	Yes	128.0	0.03
National rail	1	Wareham	Chippenham	Yes	110.0	0.01
National rail	1	Wareham	Poole	Yes	15.0	0.001
National rail	6	Warminster	London	Yes	161.0	0.09
National rail	1	Whitchurch	Bradford	Yes	140.0	0.01
National rail	1	Whitchurch	Bristol	Yes	222.0	0.02
National rail	2	Whitchurch	Chesterfield	Yes	131.0	0.03
National rail	6	Whitchurch	London	Yes	285.0	0.17
National rail	1	Whitchurch	Shrewsbury	Yes	35.0	0.003
National rail	1	Winchester	Andover	Yes	514.0	0.05
National rail	10	Winchester	Basingstoke	Yes	32.0	0.03
National rail	3	Winchester	Birmingham	Yes	210.0	0.06
National rail	2	Winchester	Bristol	Yes	150.0	0.03
National rail	1	Winchester	Cambridge	Yes	220.0	0.02
National rail	1	Winchester	Chester	Yes	184.0	0.02
National rail	2	Winchester	Chichester	Yes	68.7	0.01
National rail	1	Winchester	Cosham	Yes	45.6	0.004
National rail	5	Winchester	Coventry	Yes	180.0	0.09
National rail	1	Winchester	Eastleigh	Yes	14.4	0.001
National rail	2	Winchester	Farnborough	Yes	56.6	0.01
National rail	1	Winchester	Grenwich	Yes	120.0	0.01
National rail	7	Winchester	Havant	Yes	52.0	0.04
National rail	151	Winchester	London	Yes	110.0	1.62
National rail	1	Winchester	Marlow	Yes	84.0	0.01
National rail	1	Winchester	Norwich	Yes	335.0	0.03
National rail	2	Winchester	Nottingham	Yes	284.0	0.06
National rail	2	Winchester	Oxford	Yes	90.0	0.02

Train Type	No. of Passenger Trips	Origin	Destination	Return Trip?	Distance (km)	Emissions (tCO <sub>2</sub> e)
National rail	8	Winchester	Reading	Yes	57.3	0.04
National rail	1	Winchester	Salisbury	Yes	195.0	0.02
National rail	1	Winchester	Sheffield	Yes	325.0	0.03
National rail	8	Winchester	Southampton	Yes	21.9	0.02
National rail	2	Winchester	Swindon	Yes	93.0	0.02
National rail	1	Winchester	Woking	Yes	71.6	0.01
National rail	39	Unknown	Unknown	Yes	143.3	0.55
<b>499</b>						<b>5.68</b>

**Table 23: Data supplied and emissions breakdown for Park and Ride bus service**

Type of Bus	Distance (km)	Emissions (tCO <sub>2</sub> e)
Local bus	350,000	41.95

**Table 24: Data supplied and emissions breakdown for the transmission and distribution of purchased electricity.**

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
WCC	Abbey Grounds Store		1,642	0.06
WCC	Abbey House	<b>1</b>	6,645	0.25
WCC	Bowls Pavillion, Gordon Road		1,151	0.04
WCC	Car Park - Brooks		521,870	19.45
WCC	Car Park Misc - Bar End Park & Ride/St Catherines		33,425	1.25
WCC	Car Park Misc - Barfield Close		19,682	0.73
WCC	Car Park Misc - Cattle Market CCTV		2,902	0.11
WCC	Car Park Misc - Gladstone Street		6,134	0.23
WCC	Car Park Misc - Lower Lane Hut Bish Walt		703	0.03
WCC	Car Park Misc - Middle Brook St		6,632	0.25
WCC	Car Park Misc - Middle Brook St Pump		910	0.03
WCC	Car Park Misc - 'Old St Catherines Hut'		4,960	0.18

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
WCC	Car Park Misc - Tower Street		245,723	9.16
WCC	Car Park - Tower Street - Attendants Room & Public Convenience		18,918	0.71
WCC	Car Park Chesil m/s Car Park - Day		69,546	2.59
WCC	Car Park Chesil m/s Car Park - Night		20,579	0.77
WCC	Car Park - Friarsgate m/s - Day		1,745	0.07
WCC	Car Park - Friarsgate m/s - Night		698	0.03
WCC	Car Park - Park and Ride South - Otterbourne/Hockley		36,531	1.36
WCC	Cricket Pavillion - Low		8,104	0.30
WCC	Cricket Pavillion - Norm		117	0.00
WCC	City Offices Annex		13,499	0.50
WCC	City Offices (apportioned by 10.66% for non-Council use)	314	208,396	7.77
WCC	Guildhall	44	410,279	15.29
WCC	F2		35,967	1.34
WCC	Footbridge Bishops Waltham		1,474	0.05
WCC	Kings Court	105	199,986	7.45
WCC	Magdalen Hill Cemetery Lodge		2,821	0.11
WCC	Market Traders Meter (Brooks)		11,293	0.42
WCC	Market Traders Meter (2)		1,887	0.07
WCC	Museum - The Sqaure		13,765	0.51
WCC	Museum - Westgate		6,123	0.23
WCC	Museum - Westgate		6,124	0.23
WCC	6 Middlebrook Street		1,209	0.05
WCC	8 Middle Brook Street/Office Above Bejams/ Car Parks		5,650	0.21
WCC	Public Convenience - Station Road Alresford		3,458	0.13
WCC	Public Convenience - Houchin Street, Bishops Waltham		13,238	0.49
WCC	Public Convenience - Denmead - Kidmore Lane		2,083	0.08
WCC	Public Convenience - Market Street		19,373	0.72
WCC	Public Convenience - Worthy Lane		6,960	0.26



ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
WCC	Public Convenience - Warwick Way, Wickham		5,538	0.21
WCC	Public Convenience - Abbey Grounds Green Box, Ladies & Gents (renovated mens block)		9,982	0.37
WCC	Public Convenience - Discovery Centre		4,437	0.17
WCC	Showcases		3,980	0.15
WCC	Sports Pavillion 2 Milland Road - Low		2,143	0.08
WCC	Sports Pavillion 2 Milland Road - Norm		4,806	0.18
WCC	SPORTS PAVILLION BAR END.		1,920	0.07
WCC	St Georges Street Lighting - Low		2,171	0.08
WCC	St Georges Street Lighting - Norm		1,102	0.04
WCC	Weeke Pond		1,503	0.06
WCC	Baring Close		1,216	0.05
WCC	Beech Grove		560	0.02
WCC	Woodman Close/Church Farm Cottages		1,866	0.07
WCC	Couch Green		965	0.04
WCC	Couch Green, Martyr Worthy		13,656	0.51
WCC	Cricket Close		2,975	0.11
WCC	Hazeldene Gardens		1,218	0.05
WCC	Hilly Close		94	0.00
WCC	Hobbs Close		15,519	0.58
WCC	Hobbs Close Pump House		1,924	0.07
WCC	Kiln Lane		3,626	0.14
WCC	Long Priors		15,162	0.57
WCC	Long Road		13,196	0.49
WCC	North Drive		11,056	0.41
WCC	Northington Road		29,994	1.12
WCC	Old Alresford, Basingstoke Road		307	0.01

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
WCC	Park Lane		33,757	1.26
WCC	Pound Lane		1,358	0.05
WCC	Widley Walk, Purbrook		12,804	0.48
WCC	St. Andrews Green		362	0.01
WCC	The Brook		1,396	0.05
WCC	The Brook		1,604	0.06
WCC	The Goodens - Peak		131	0.00
WCC	The Goodens - Off Peak		354	0.01
WCC	The Pastures		187	0.01
WCC	The Pastures		1,990	0.07
WCC	The Pastures		733	0.03
WCC	Trampers Lane, Birch Hill		1,013	0.04
WCC	Trampers Lane, Wine Cross		9,356	0.35
WCC	Woodlane Close		1,086	0.04
WCC	Woodlane Close		5,969	0.22
WCC	Woodlane Close		2,436	0.09
WCC	Granville Place		149	0.01
WCC	Itchen View		3,115	0.12
WCC	Itchen View - Water Treatment Plant		5,413	0.20
WCC	Elm Crescent		6,347	0.24
WCC	Oak Close		6,529	0.24
WCC	Southbrook Place, Rook Lane		6,419	0.24
WCC	Railway Cottages, Station Road		5,948	0.22
WCC	Hallway, Hollands Close - Day		7,602	0.28
WCC	Hallway, Hollands Close - Night		3,108	0.12
WCC	Hyde Lodge - Basement - Wardens Office	13	5,759	0.21
WCC	Hyde Lodge - Ground - Central Control - New Meter		6,511	0.24

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
WCC	Hyde Lodge - First/Top - Meeting Rooms & Storage		3,691	0.14
WCC	Basepoint		57,697	2.15
WCC	Bar End Depot	8	22,697	0.85
WCC	Kingswalk, Landlords Supply		22,387	0.83
WCC	Kingswalk, 2nd & 3rd Floor Office		230	0.01
WCC	West Hill Cemetery		1,270	0.05
WCC	Registrar's Office		400	0.01
WCC	Barfield Close - Ex TJ Waste		137	0.01
WCC	Unmetered ticket machines		29,892	1.11
WCC	Unmetered CCTV Bishops Waltham		1,313	0.05
WCC	Unmetered Lighting Bishops Waltham 1		569	0.02
WCC	Unmetered Lighting Bishops Waltham 2		12	0.00
WCC	Ticket Machines Wickham Square		1,479	0.06
WCC	High Street Feeder Pillar 1		439	0.02
WCC	High Street Feeder Pillar 2		4,248	0.16
WCC	High Street Feeder Pillar 3		6,348	0.24
WCC	High Street Feeder Pillar 4		8,816	0.33
WCC	High Street Feeder Pillar 5		1,757	0.07
WCC	Coitbury House		29,274	1.09
WCC	New Queens Gate, Stanmore Lane - Landlords Supply		315	0.01
WCC	Street Lighting		55,702	2.08
<b>Sub Total</b>			<b>2,503,227</b>	<b>93.30</b>
Housing	Airlie Corner		830	0.03
Housing	Albert Court		17,285	0.64
Housing	Alresford Road 118 - 120 Linkway		8	0.00
Housing	Alresford Road 90 - 92 Linkway		2	0.00
Housing	Ashburton Close 1 - 2		618	0.02

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
Housing	Ashburton Close 3 - 4		532	0.02
Housing	Ashburton Close 5 - 6		372	0.01
Housing	Barnes House			0.00
Housing	Bartholomew Close		8,970	0.33
Housing	Blanchard Road 26 - 32 Link Stairway		886	0.03
Housing	Blanchard Road 36 - 40 Link Stairway		809	0.03
Housing	Braxton House, Winnall Manor Road	1	12,150	0.45
Housing	Brittany House		37,901	1.41
Housing	Charles Close Flats 15 - 20		184	0.01
Housing	Charles Close Flats 21 - 23		444	0.02
Housing	Charles Close Flats 24 - 27		366	0.01
Housing	Charles Close Flats 28 - 33		777	0.03
Housing	Charles Close Flats 34 - 37		320	0.01
Housing	Charles Close Flats 56 - 78		251	0.01
Housing	Charles Close Flats 9 - 14		676	0.03
Housing	Chester Road		5,429	0.20
Housing	Chiltern Court 9 - 16		750	0.03
Housing	Chiltern Court CT Block		2,133	0.08
Housing	Chiltern Court CT Block		940	0.04
Housing	Chiltern Court Flats 1 - 8		1,222	0.05
Housing	Colbourne Court		5,313	0.20
Housing	Colson Close		758	0.03
Housing	Colson Close Flats 1 - 6		1,302	0.05
Housing	Colson Close Flats 13 - 16		447	0.02
Housing	Colson Close Flats 17 - 20		1,129	0.04
Housing	Colson Close Flats 7 - 12		1,113	0.04
Housing	Craddock House		13,469	0.50

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2e</sub> )
Housing	Cripstead Lane		1,405	0.05
Housing	Crockford House		867	0.03
Housing	Dalzell Worthy Road		856	0.03
Housing	Danemark Court		35,422	1.32
Housing	Dennett House		16,153	0.60
Housing	Doctors Lane Alarm System		216	0.01
Housing	Drummond Close		1,731	0.06
Housing	Earle House		15,547	0.58
Housing	Eastacre		2,582	0.10
Housing	Eastacre		1,125	0.04
Housing	Eastacre		14,652	0.55
Housing	Eastacre		779	0.03
Housing	Eastgate Street 31-35 Estab Supply		1,775	0.07
Housing	Eastgate Street No 27		3,608	0.13
Housing	Fairdown Close		53	0.00
Housing	Fairdown Close Llds Supply No 6		2	0.00
Housing	Firmstone Road 27a Common Room		854	0.03
Housing	Firmstone Road Flats 105 - 115		547	0.02
Housing	Firmstone Road Flats 117 - 127		408	0.02
Housing	Firmstone Road Flats 129 - 139		830	0.03
Housing	Firmstone Road Flats 141 - 151		485	0.02
Housing	Firmstone Road Flats 153 - 163		484	0.02
Housing	Firmstone Road Flats 31 - 33		624	0.02
Housing	Firmstone Road Flats 69 - 79		317	0.01
Housing	Firmstone Road Flats 81 - 91		511	0.02
Housing	Firmstone Road Flats 93 - 103		692	0.03
Housing	Firmstone Road Staircases		511	0.02

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2e</sub> )
Housing	Firmstone Road Staircases		396	0.01
Housing	Firmstone Road Staircases		278	0.01
Housing	Firmstone Road Staircases		103	0.00
Housing	Firmstone Road Staircases		295	0.01
Housing	Firmstone Road Staircases		313	0.01
Housing	Fleming Place Flats 19-20		566	0.02
Housing	Fleming Place Flats 21 - 22a		550	0.02
Housing	Fleming Place Flats 23-24A		152	0.01
Housing	Fordor Court, 41 St Cross Road		12,824	0.48
Housing	Fraser Road 31-33B		391	0.01
Housing	Fraser Road 35-37B		252	0.01
Housing	Fraser Road 39-41b		468	0.02
Housing	Fraser Road 43 - 45b		283	0.01
Housing	Fraser Road 47-49		257	0.01
Housing	Fraser Road 51-53b		474	0.02
Housing	Fraser Road 55-57b		244	0.01
Housing	Fulflood Court		2,425	0.09
Housing	Godson House		25,285	0.94
Housing	Greens Close Communal Supply		2,063	0.08
Housing	Greens Close, Link Stairway 11-17		794	0.03
Housing	Greens Close, Link Stairway 1-7		717	0.03
Housing	Greens Close, Link Stairway 19-25		792	0.03
Housing	Greens Close, Link Stairway 27-33		803	0.03
Housing	Greyfriars Ent 1, Eastgate Street		1,596	0.06
Housing	Greyfriars Ent 2, Eastgate Street		1,753	0.07
Housing	Harwood Place		2,207	0.08
Housing	Harwood Place Block 10a		400	0.01

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
Housing	Harwood Place Block 10b		919	0.03
Housing	Harwood Place Block 10c		344	0.01
Housing	Harwood Place Block 10d		405	0.02
Housing	Harwood Place Block 10e		294	0.01
Housing	Harwood Place Block 8a		918	0.03
Housing	Harwood Place Block 8b		444	0.02
Housing	Harwood Place Block 9B		827	0.03
Housing	Harwood Place Flats 32-35		347	0.01
Housing	Hyde Gate Common Room		1,859	0.07
Housing	Hyde Gate Flats 11-14		1,007	0.04
Housing	Hyde Gate Flats 15-18		569	0.02
Housing	Hyde Gate Flats 2-3		491	0.02
Housing	Hyde Gate Flats 4-9		566	0.02
Housing	Hyde Gate Floodlighting, King Alfred Place		3,553	0.13
Housing	Hyde Lodge		4,252	0.16
Housing	Hyde Lodge Flats 23-26		9,521	0.35
Housing	Hyde Lodge Flats 3 - 8		2,724	0.10
Housing	Hyde Street, No 69, Landlords Supply		72	0.00
Housing	James Howell Court, Bere Road		2,486	0.09
Housing	King Alfred Place Flats 21- 23		516	0.02
Housing	King Alfred Place Flats 24 - 28		844	0.03
Housing	King Harold Court Block 1		13,114	0.49
Housing	King Harold Court Block 2		334	0.01
Housing	King Harold Court Block 3		9,828	0.37
Housing	King Harold Court Block 4		802	0.03
Housing	Lawn House		1,736	0.06
Housing	Lawn House Block 2		1,554	0.06

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
Housing	Lawn House Block 3		2,080	0.08
Housing	Lawn House Block 4		2,032	0.08
Housing	Lawn House Block 5		1,388	0.05
Housing	Lawn House Block 6		1,760	0.07
Housing	Lawn House Comm Centre		3,119	0.12
Housing	Lent Hill Court		25,757	0.96
Housing	Lisle Court Block A		5,977	0.22
Housing	Lisle Court Block B		1,012	0.04
Housing	Lower Brook Street 2-23 A		318	0.01
Housing	Makins Court Landlords Supply 2		37,890	1.41
Housing	Matilda Place		31,930	1.19
Housing	Meon House		2,888	0.11
Housing	Mildmay Court Flats 1-6		1,713	0.06
Housing	Mildmay Court Flats 1-6		4,692	0.17
Housing	Mildmay Court Flats 1-6		3,722	0.14
Housing	Mildmay Court Flats 18-26		16,604	0.62
Housing	Milland Road 16-19		884	0.03
Housing	Milland Road 17-20		1,263	0.05
Housing	Milland Road 22-25		938	0.03
Housing	Milland Road 26-33		1,572	0.06
Housing	Milland Road 34-37		723	0.03
Housing	Milland Road Common Room		4,486	0.17
Housing	Monks Road STR Lighting		1,206	0.04
Housing	Monks Road STR Lighting		241	0.01
Housing	Normandy Court Blk A		5,376	0.20
Housing	Normandy Court Blk B		4,033	0.15
Housing	Normandy Court Blk C		7,190	0.27
Housing	Normandy Court Blk D		5,340	0.20



ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2e</sub> )
Housing	Normandy Court Blk E		5,674	0.21
Housing	Old Firmstone Road			0.00
Housing	Orchard Close Block 2 Flats 25-28		460	0.02
Housing	Orchard Close Block 3 Flats 21-24		721	0.03
Housing	Orchard Close Block 4 Flats 17-20		542	0.02
Housing	Orchard Close Block 5 Flats 29-32		544	0.02
Housing	Orchard Close Block 8 Flats 1-4		823	0.03
Housing	Orchard Close Block 8 Flats 5-8		432	0.02
Housing	Parmiter House Wales Street		1,855	0.07
Housing	Paulet Place Landlords Supply		630	0.02
Housing	Penton Place on Milland Road		939	0.03
Housing	Penton Place on Milland Road		1,191	0.04
Housing	Pound Road Block 6 A		361	0.01
Housing	Pound Road Block 6 B Fls 11		466	0.02
Housing	Pound Road Block 7		824	0.03
Housing	Pound Road Block 7 A		443	0.02
Housing	Pound Road Block 7 Flats 41-47		640	0.02
Housing	Pound Road Flats 14 - 20		364	0.01
Housing	Pound Road Flats 2 - 12		306	0.01
Housing	Pound Road Flats 21 - 27		342	0.01
Housing	Pound Road Flats 22 - 28		502	0.02
Housing	Pound Road Flats 30 - 36		581	0.02
Housing	Pound Road Flats 37 - 39		450	0.02
Housing	Pound Road Flats 38 - 44		349	0.01
Housing	Princes Place Lk Sw 9-15		571	0.02
Housing	Quarry Road Flats 59 - 65		18	0.00
Housing	Ramsay Road Block 11 F		311	0.01
Housing	Richard Moss House		63,168	2.35

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
Housing	Riverside House		765	0.03
Housing	Riverside House		1,092	0.04
Housing	Riverside House		1,502	0.06
Housing	Robertson Road Flats 1 - 2a		93	0.00
Housing	Robertson Road Flats 11-12		520	0.02
Housing	Robertson Road Flats 13 - 14a		300	0.01
Housing	Robertson Road Flats 3-4		426	0.02
Housing	Robertson Road Flats 5-6		324	0.01
Housing	Robertson Road Flats 7-8		302	0.01
Housing	Robertson Road Flats 9-10		223	0.01
Housing	Simmonds Court		7,093	0.26
Housing	Simmonds Court Flats 5-8		411	0.02
Housing	Simonds Court Flats 1-4		537	0.02
Housing	Simonds Court Flats 9-12		911	0.03
Housing	Somerville Road 10 - 12a		407	0.02
Housing	Somerville Road 14 - 16a		280	0.01
Housing	Somerville Road 6 - 8a		470	0.02
Housing	Spicers Court Landlords Supply		1,415	0.05
Housing	Spring House		1,898	0.07
Housing	Spring House Close Flats 11-12		463	0.02
Housing	Spring House Close Flats 13-18		916	0.03
Housing	Spring House Close Flats 1-4		537	0.02
Housing	Spring House Close Flats 19-24		546	0.02
Housing	Spring House Close Flats 25-30		478	0.02
Housing	Spring House Close Flats 31-36		545	0.02
Housing	Spring House Close Flats 5-10		545	0.02
Housing	St Bedes Court		1,169	0.04
Housing	St James Terrace No 3 Landlords Supply		473	0.02
Housing	St Johns Street No 10 Landlords Supply		1,906	0.07

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
Housing	Stanmore Library		91	0.00
Housing	Sussex Street 84 - 86	1	3,129	0.12
Housing	Sussex Street No 86		39,654	1.48
Housing	Test House Milland Road		2,610	0.10
Housing	The Valley		1,930	0.07
Housing	The Valley, Block 1		390	0.01
Housing	The Valley, Block 2		222	0.01
Housing	The Valley, Block 3		206	0.01
Housing	The Valley, Block 4		642	0.02
Housing	The Valley, Block 5		362	0.01
Housing	The Valley, Block 6		247	0.01
Housing	The Valley, Block 7		396	0.01
Housing	The Valley, Block 8		285	0.01
Housing	The Valley, Block 9		1,035	0.04
Housing	Thurmond Crescent Flats 41 - 46		1,664	0.06
Housing	Thurmond Crescent Flats 47 - 52		709	0.03
Housing	Thurmond Crescent Flats 53 - 58		930	0.03
Housing	Thurmond Crescent Flats 59 - 64		987	0.04
Housing	Thurmond Crescent Flats 65 - 70		982	0.04
Housing	Thurmond Crescent Flats 71 - 76		858	0.03
Housing	Trussell Crescent Blk 1		3,167	0.12
Housing	Trussell Crescent Blk 2		3,206	0.12
Housing	TV amplifier, Brookside Close 37, Denmead		253	0.01
Housing	TV Amplifier, Springvale 15, Swanmore		875	0.03
Housing	Wales Street		1,184	0.04
Housing	Water Lane Landlords Supply Block 5		535	0.02
Housing	Whitewings House		69,683	2.60
Housing	Windsor House, Lawn Street		2,012	0.07
Housing	Windsor House, Lawn Street		2,537	0.09

ID	Site Name	No. of staff	Grid Electricity	Electricity T&D (tCO <sub>2</sub> e)
Housing	Windsor House, Lawn Street		2,025	0.08
Housing	Woolford Close Flats 10 - 15		945	0.04
Housing	Woolford Close Flats 16-25		1,639	0.06
Housing	Woolford Close Flats 1-9		1,979	0.07
Housing	Woolford Close Flats 32-37		1,446	0.05
Housing	Woolford Close Flats 38-47		1,123	0.04
Housing	Woolford Close Flats 6-7		1,240	0.05
<b>Sub Total</b>			<b>774,795</b>	<b>28.88</b>
<b>Totals</b>		<b>476</b>	<b>4,340,373</b>	<b>122.17</b>

*Table 25: Data supplied and emissions breakdown for electricity and gas consumption at the leisure centres*

Site Name	Grid Electricity (kWh)	Natural Gas (kWh)	Electricity Generation (tCO <sub>2</sub> e)	Electricity T&D (tCO <sub>2</sub> e)	Natural Gas (tCO <sub>2</sub> e)	Total tCO <sub>2</sub> e
Meadowside Leisure Centre	86,249	114,577	35.54	3.21	21.08	59.84
River Park Leisure Centre	931,305	3,488,283	383.74	34.71	641.83	1,060.29
River Park Leisure Centre - Tennis Court Flood Lighting	44,897	0	18.50	1.67	0.00	20.17
<b>Totals</b>	<b>1,062,451</b>	<b>3,602,860</b>	<b>437.78</b>	<b>39.60</b>	<b>662.91</b>	<b>1,140.30</b>

*Table 26: Data supplied and emissions breakdown for water consumption*

Site	Water supply (m <sup>3</sup> )	Water Supply (tCO <sub>2</sub> e)	Estimated wastewater %	Wastewater treatment (tCO <sub>2</sub> e)	Total emissions from water consumption (tCO <sub>2</sub> e)
West Wing	440	0.15	95%	0.30	0.45
Guildhall	1,800	0.62	95%	1.21	1.83
City Offices	1,535	0.53	95%	1.03	1.56
City Offices Annex	138	0.05	95%	0.09	0.14
Abbey House	25	0.01	95%	0.02	0.03
<b>Totals</b>	<b>3,938</b>	<b>1.35</b>		<b>2.65</b>	<b>4.00</b>