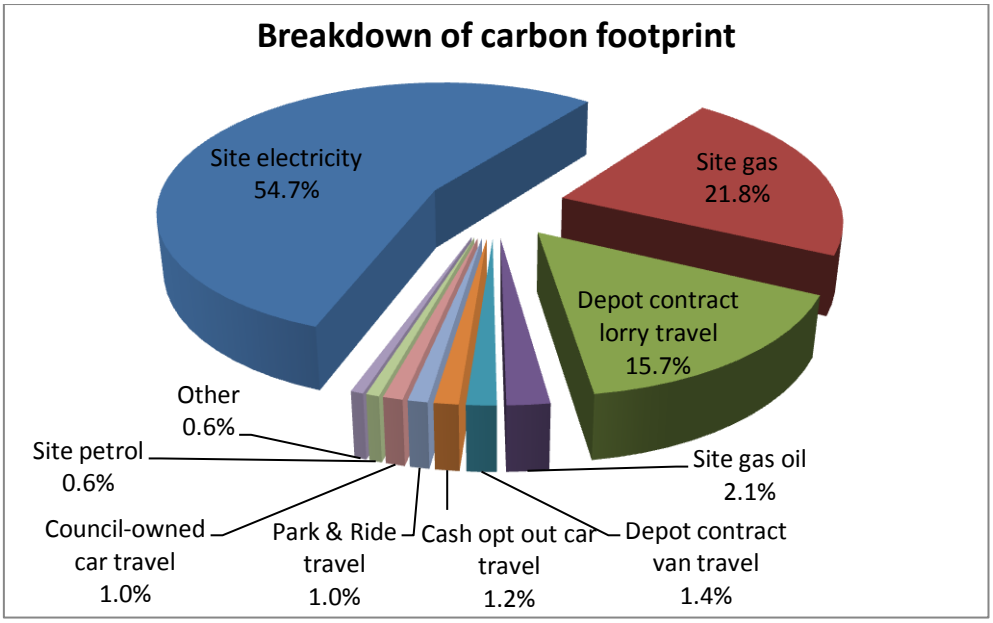
Carbon Footprint Report for Winchester City Council

Assessment Period: 1st April 2014 – 31st March 2015

Carbon Footprint Ltd, Worting House, Church Lane, Basingstoke, RG23 8PX, UK | +44 (0)1256 345 645
info@carbonfootprint.com | www.carbonfootprint.com

Executive Summary

Carbon Footprint Ltd has assessed Winchester City Council's emissions from 1st April 2014 to 31st March 2015 based on a dataset provided by the company. The chart below shows the sources of emissions with electricity consumption contributing 54.7% to the total carbon footprint.



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

- A decrease in absolute emissions by 3.8% compared to the previous year (2013/14) and by 12.8% compared to the baseline year (2008/09).
- A decrease in emissions per employee by 8.6% compared to the previous year and by 4.0% since the baseline year.
- A decrease in emissions per capita by 4.5% compared to the previous year and by 17.9% compared to the baseline year.

	1st April 2008 to 31st March 2009	1st April 2013 to 31st March 2014	1st April 2014 to 31st March 2015	% change from baseline year	% change from previous year
Total tonnes of CO_2e	4,608.55	4,175.63	4,016.36	-12.8%	-3.8%
Tonnes of CO_2e per employee	8.29	8.70	7.95	-4.0%	-8.6%
Tonnes of CO_2e per capita	0.041	0.035	0.034	-17.9%	-4.5%

Overall, electricity consumption is still the main contributor to Winchester City Council's carbon footprint. Energy usage for street lighting has reduced since the previous year due to improvement works undertaken, however the main reason for the reduction in Winchester City Council's carbon footprint has been due to a decrease in depot contract lorry travel. The data provided for this year's reporting period has also been more accurate.

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Quality Control

Report issue number:	1.0
Date:	02 September 2015
Calculations completed by:	Georgina Whitlock
Calculations reviewed by:	Rebecca Pattison
Report produced by:	Georgina Whitlock
Report reviewed by:	Rebecca Pattison
Director approval:	John Buckley

1. Introduction

1.1. Scope of this work

Carbon Footprint Ltd has assessed the carbon emissions from 1st April 2014 to 31st March 2015 resulting from the energy consumption at Winchester City Council's facilities and its business transport activities.

1.2. Winchester City Council Overview

Winchester City Council is one of 11 district councils in Hampshire. The Council serves a population of approximately 119,000 residents, covering an area of 250 square miles.

Table 1: Company representative

Company representative responsible for this report within Winchester City Council	Paul Cooke

1.3. 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 green house gases produced, measured in units of carbon dioxide equivalents (CO_2e).

A carbon footprint is made up of two parts, direct and indirect emissions.

1. **Direct emissions:**
   These emissions are produced from two primary sources, the energy use in buildings and travel emissions, which are owned or controlled by the reporting organisation. Direct emissions encompass 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 the table below.

Table 2: Direct emissions sources

Footprint	Activity	Scope
Direct	Electricity, heat or steam generated onsite	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 6 GHG's (CO_2, CH_4, N_2O, HFC's, PFC's and SF_6)	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 services offered by an organisation. Indirect emissions correspond to scope 3 of the World Resources Institute GHG Protocol excluding employee business travel as indicated in the table below:

Table 3: 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.

We ask companies to recognise that there is an indirect emissions footprint and select suppliers based on their environmental credentials, as well as price and performance.

1.4. How is the carbon footprint calculated?

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

Carbon Footprint Ltd analysts have calculated Winchester City Council's footprint based on the current metrics (published October 2014) developed by the UK Department for Environment, Food and Rural Affairs (Defra) and the Department of Energy and Climate Change (DECC) and have prepared a summary for Winchester City Council included in this report. These metrics use GHG activity data multiplied by GHG emission factors. Carbon Footprint Ltd 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.

Carbon Footprint Ltd 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_2 greenhouse gases to CO_2e 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_2e.

1.5. Why is it important?

Over the past two decades the effect of climate change has become more marked. Considerable evidence exists that 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.

The consequences of inaction will be disasterous. Rising global temperatures will cause sea levels to rise and local climate conditions to be altered, affecting forests, crop yields, and water supplies. It will also affect human health, accelerate species extinction, and disrupt many types of ecosystem. Deserts may expand and some of our countryside may be permanently altered.

For this reason it is vital that all individuals, businesses, organisations and governments work towards the common goal of reduced carbon emissions. The carbon footprint assessment will enable your business to:

- Report on greenhouse gas (GHG) emissions
- Set targets to reduce emissions
- Make supply chain selection based on environmental factors
- Achieve cost savings through managing resources, energy saving and implementing good environmental practice
- Generate great PR through communicating your environmental successes
- Improve reputation with customers and potential customers
- Broaden market opportunities by differentiating your products and brands
- Raise staff morale and attract high-calibre employees
- Attract ethical investors
- Be prepared for future legislative changes

1.6. 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.

1.7. Greenhouse Gas Protocol Corporate Standard

This GHG calculation and report has been prepared in accordance with The Greenhouse Gas Protocol Corporate Standard. The GHG inventory, report, or assertion has not been verified.

1.8. Abbreviations

A/C	Air Conditioning
CDP	Carbon Disclosure Project
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent
DECC	Department of Energy and Climate Change
Defra	Department for Environment, Food and Rural Affairs
ECA	Enhanced Capital Allowance
FTSE	Financial Times Stock Exchange
EU	European Union
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

2. Appraisal Boundaries and Summary of Data Supplied

A summary of the information submitted by Winchester City Council and the boundaries set for the calculation are detailed below.

2.1. Organisational boundaries

The organisation has consolidated its facility-level GHG emissions by the following approach:

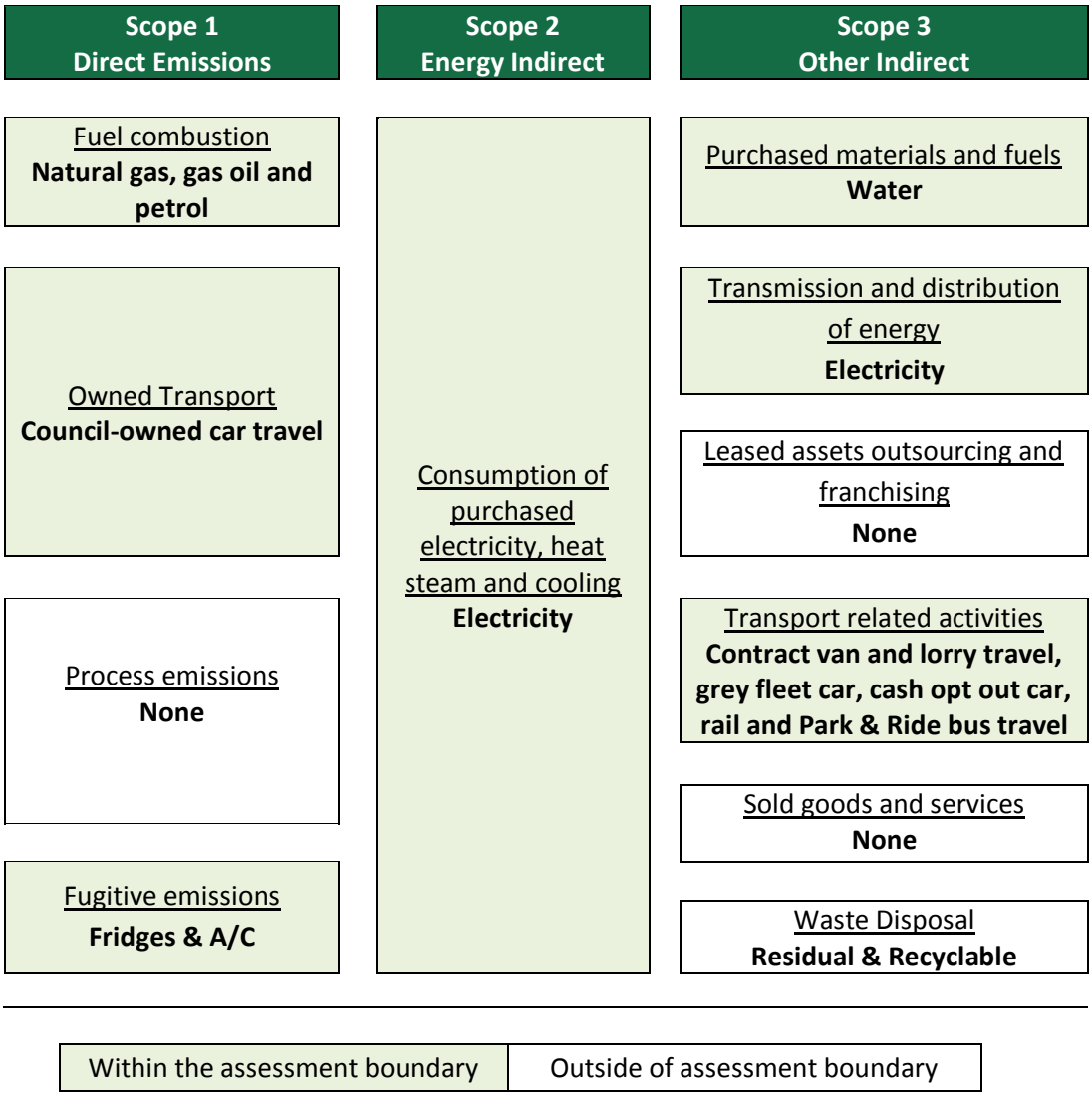
Control: The organisation has accounted for all quantified GHG emissions and/or removals from facilities over which it has financial control.

NB: the communal areas that are managed by the Housing Services department have not been included and water consumption data has only been included for a small number of sites.

2.2. Operational boundaries

GHG Emissions and removals associated with Winchester City Council's operations:

Figure 1: Assessment boundary



The indirect GHG sources that are outside the assessment boundary have been excluded from quantification because quantification of its contribution to the GHG emissions is not technically feasible or cost effective.

2.3. Biomass

There are no CO_2 emissions from the combustion of biomass to be considered within this report.

2.4. Accuracy of the carbon footprint calculation

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.

An overview of the expected accuracy provided per element for this assessment and is shown in the table below.

Table 4: Assessment accuracy

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	Mileage records	Good	Medium (5% - <20%)
Site gas oil	Invoice records	Excellent	Low (1% - <5%)
Depot contract van travel	Mileage records	Excellent	Low (1% - <5%)
Cash opt out car travel	Register provided by payroll	Excellent	Low (1% - <5%)
Park & Ride travel	Contracted mileage	Good	Very Low (<1%)
Council-owned car travel	Register provided by payroll	Excellent	Very Low (<1%)
Site petrol	Invoice records	Excellent	Very Low (<1%)
Grey fleet car travel	Register provided by payroll	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 their billing).	Average	Very Low (<1%)
Rail travel	Expenses	Excellent	Very Low (<1%)
Refrigeration & A/C	Service records/invoices	Excellent	Very Low (<1%)

Materiality is determined by the percentage contribution of each element to the overall footprint. Data accuracy has improved since the previous year. This year data was obtained for gas oil and petrol used in equipment, as well as the amount of refrigerant topped up across the Guildhall and offices. 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.

2.5. Data provided for the carbon footprint appraisal

The data provided by Winchester City Council for the appraisal is presented in Annex A.

2.6. 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.

3. Carbon Footprint Results

3.1. Summary of results

The total carbon footprint for Winchester City Council for the period ending 31st March 2015 was 4,016.36 tCO_2e.

The following table provides a summary of results for Winchester City Council's carbon footprint calculation by scope, business unit and source activity.

Table 5: Results of Winchester City Council's carbon footprint assessment by scope, business unit and source activity

Scope	Activity	Tonnes CO_2e
Scope 1	Site gas consumption	874.30
	Site gas oil consumption	82.51
	Council-owned car travel	38.19
	Site petrol	25.42
	Refrigeration & A/C	0.31
Scope 1 Sub Total		**1,020.74**
Scope 2	Electricity generation	2,020.44
Scope 2 Sub total		**2,020.44**
Scope 3	Depot contract lorry travel	630.67
	Electricity transmission & distribution	176.67
	Business car travel [1]	62.18
	Depot contract van travel	57.78
	Park & Ride travel	38.31
	Water (and wastewater)	5.29
	Business rail travel	4.27
Scope 3 Sub Total		**975.18**
Total tonnes of CO_2e		**4,016.36**
Tonnes of CO_2e per employee		**7.95**
Tonnes of CO_2e per capita		**0.034**

[1] Includes both cash opt out car travel and grey fleet car travel.

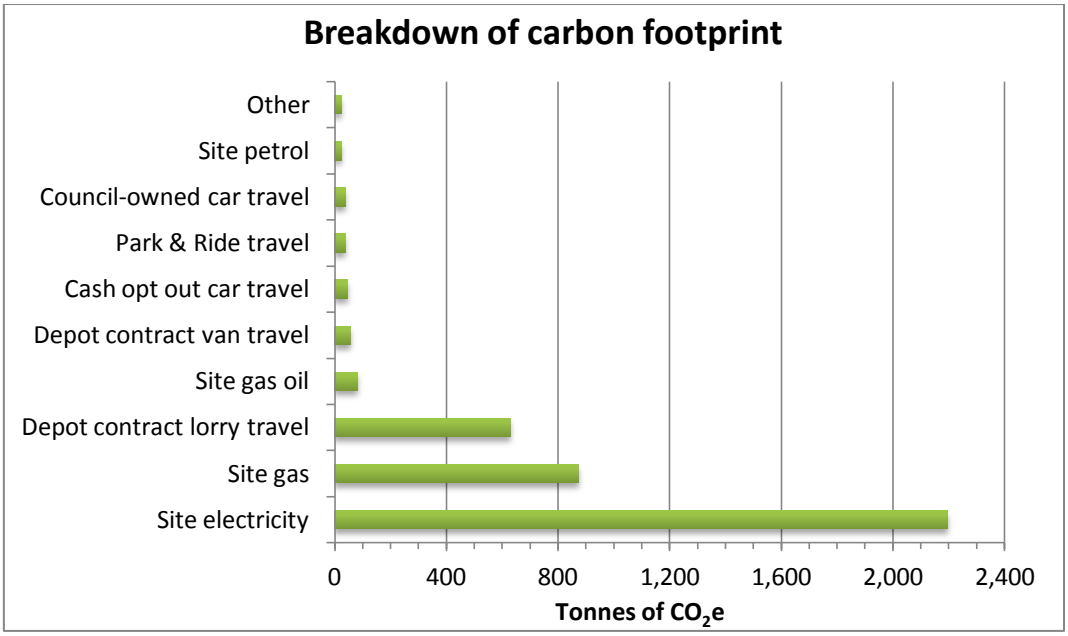


Figure 2: Contribution in tonnes of CO_2e of each element of Winchester City Council's carbon footprint

The following chart shows the percentage breakdown of the total greenhouse gas emissions produced by Winchester City Council. It can be seen that 54.7% of the total emissions is produced through the use of electricity. The other two significant factors are gas consumption and depot contract lorry travel, contributing to 21.8% and 15.7% of the total emissions respectively. In comparison the amount of CO_2e caused by rail travel (within the 'other' category) is low at 0.1% of the total emissions (less than 5 tCO_2e).

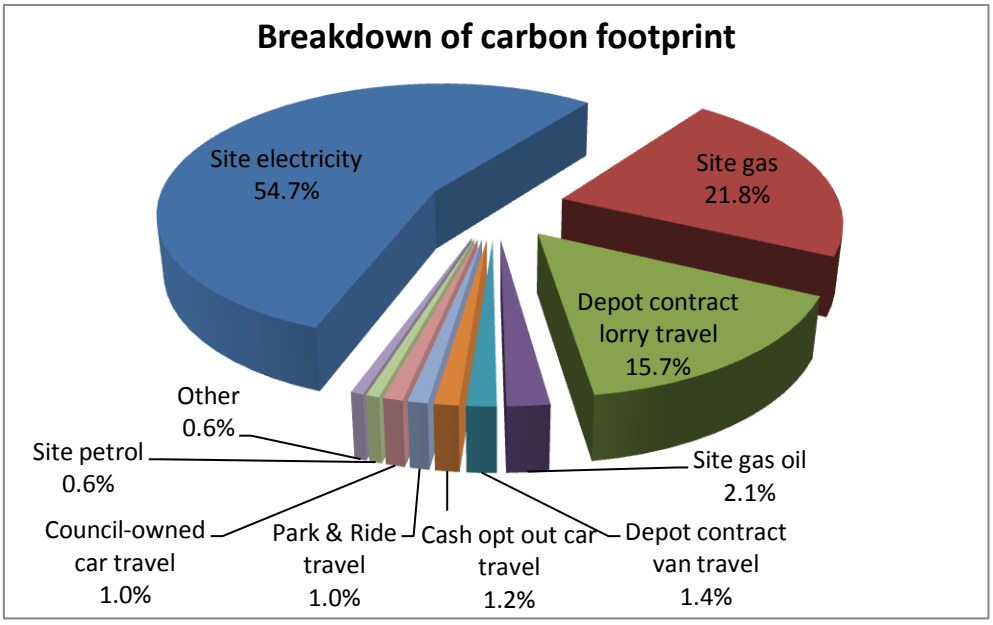


Figure 3: Percentage contribution of each element of Winchester City Council's carbon footprint

3.2. Emissions from energy usage at site facilities

The following tables show the amount of CO_2e emitted as a result of energy usage at each site and per employee.

Table 6: CO_2e emissions as a result of site energy consumption for the 10 highest energy consuming sites[2]

Site	Electricity tCO_2e	Gas tCO_2e	Total tCO_2e
River Park Leisure Centre	477.62	716.05	1,193.67
Car Park - Brooks	355.67	0.00	355.67
Guildhall	224.46	43.58	268.04
City Offices	161.63	34.37	196.00
Car Park - Tower Street	134.32	0.00	134.32
Street Lighting	130.61	0.11	130.72
Kings Court / West Wing	115.00	11.82	126.83
Car Park - Chesil	112.75	0.00	112.75
Meadowside Leisure Centre	58.69	20.64	79.33
Car Park - Friarsgate	63.74	0.00	63.74
Total	**1,834.50**	**826.57**	**2,661.07**

Table 7: CO_2e emissions from site energy consumption on a per employee basis

Site	No. of employees	Total tCO_2e	Tonnes of CO_2e per employee
Guildhall	62	268.04	4.32
City Offices	321	196.00	0.61
Kings Court / West Wing	100	126.83	1.27
Hyde Lodge	17	24.29	1.43
Museum - The Square (City Museum)	3	13.69	4.56
Museum - Westgate	2	6.49	3.24
Total / Average (for tCO_2e per employee)	**505**	**635.34**	**1.26**

The charts below show the company emissions on a per site and employee basis. It can be seen that River Park Leisure Centre is the site which produces the highest amount of site emissions, followed by the Brooks car park. The City Museum is the site with the highest tCO_2e/employee ratio, whilst the City Offices presents the lowest ratio.

[2] Top 10 emitters shown – see Annex for complete breakdown of all sites energy consumption.

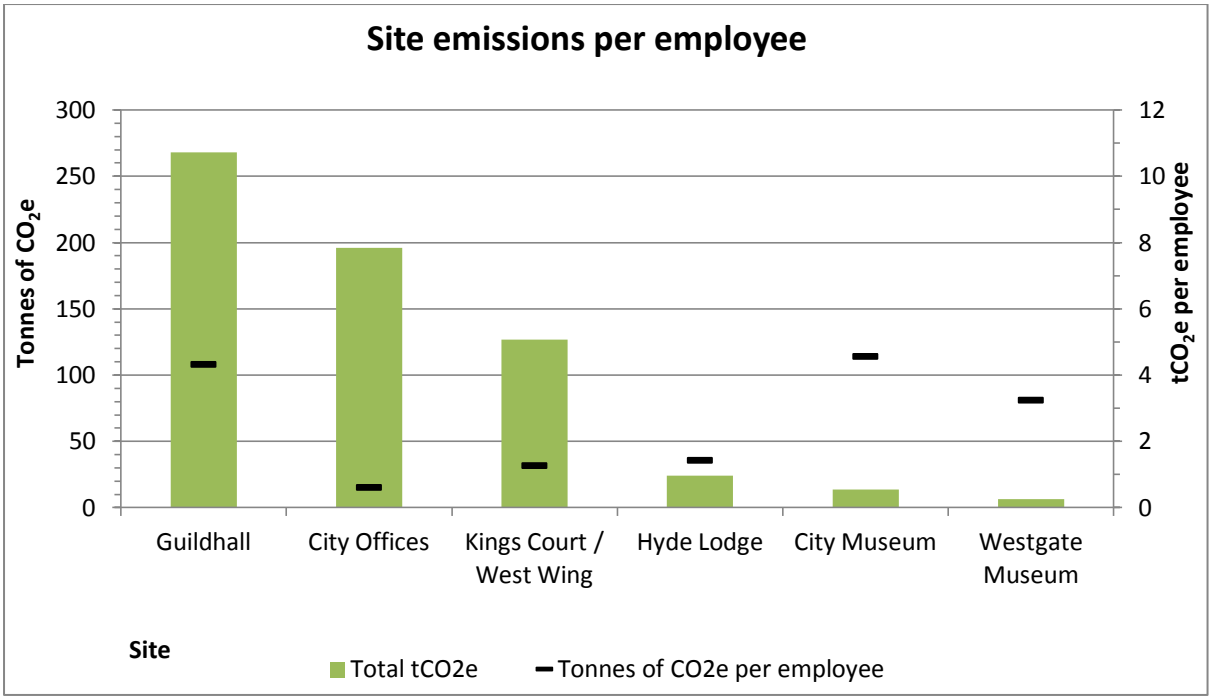


Figure 4: CO_2e emissions on a per site and employee basis

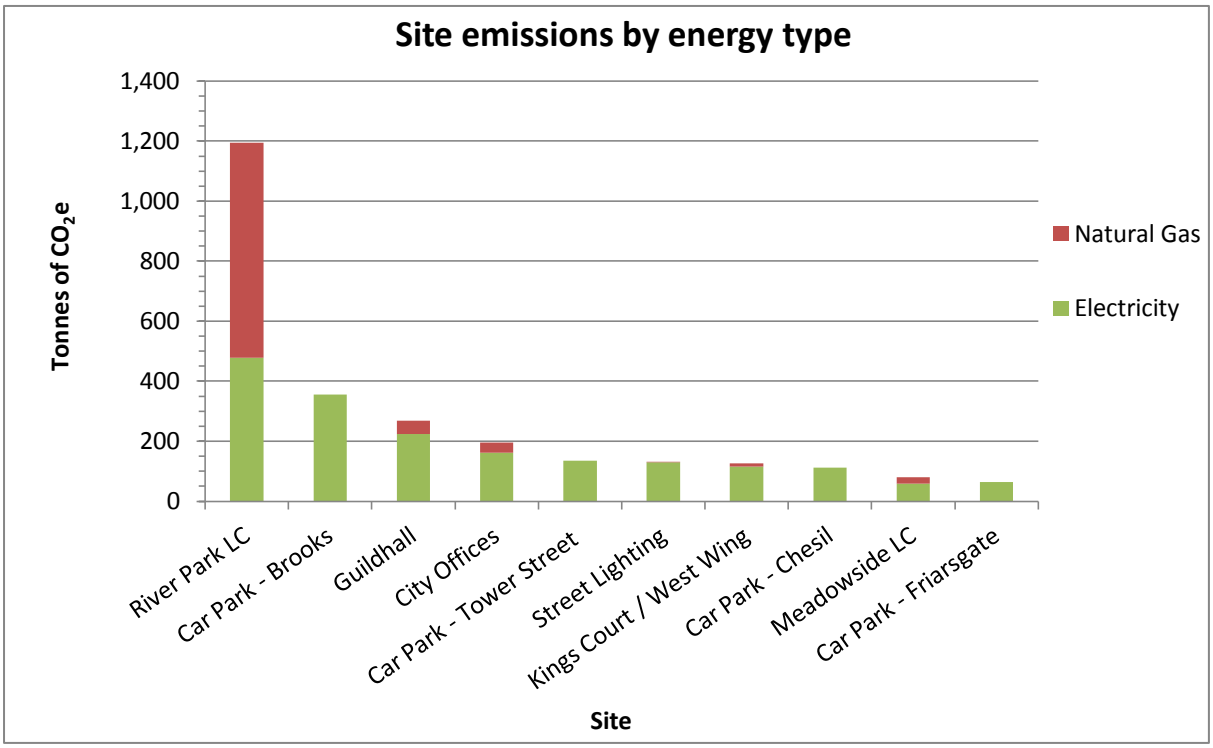


Figure 5: CO_2e emissions per site and per energy type for the top 10 emitting sites

The detailed results are given in Annex A.

3.3. Emissions from travel

The next graph and table show the greenhouse gas emissions resulting from travel. It can be seen that the largest contributor is depot contract lorry travel, accounting for 75.9% of the total transport emissions. In comparison the amount of CO_2e caused by business rail travel is very low at about 0.5%.

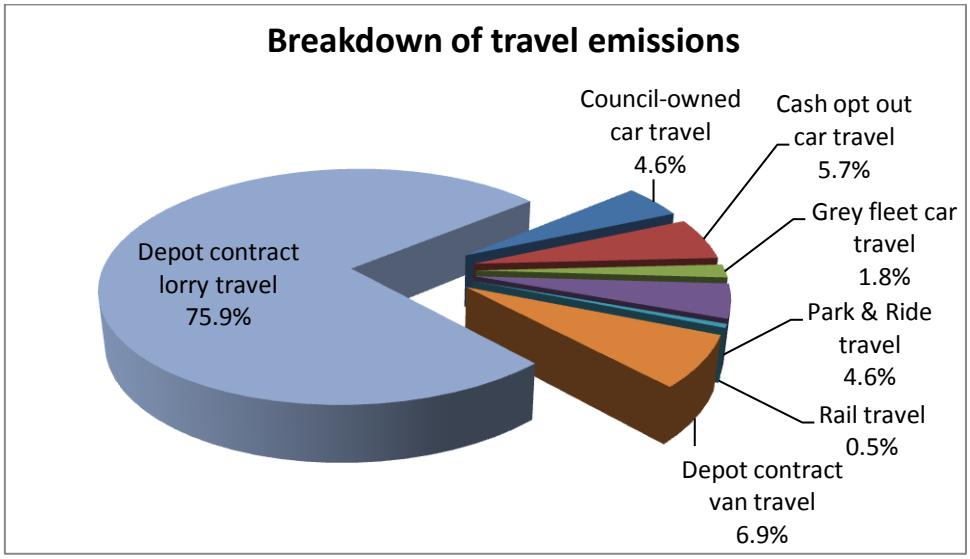


Figure 6: Percentage contribution of each element to transportation emissions

Table 8: CO_2e emissions due to transportation

Type of Travel	Tonnes of CO_2e
Depot contract lorry travel	630.67
Depot contract van travel	57.78
Cash opt out car travel	47.29
Park & Ride travel	38.31
Council-owned car travel	38.19
Grey fleet car travel	14.90
Rail travel	4.27
Total	**831.41**

The detailed results are given in Annex A.

3.4. Other emissions

Table 9 below shows the greenhouse gas emissions resulting from fuel used for large ride-on lawnmowers, strimmers and blowers etc.

Table 9: CO_2e emissions due to other fuel use

Type of fuel	Tonnes of CO_2e
Gas oil	82.51
Petrol	25.42
Total	**107.93**

Table 10: CO_2e emissions due to water usage

Site	Water supplied (m^3)	Tonnes of CO_2e
Guildhall	2,686	2.73
City Offices	1,831	1.86
West Wing	652	0.66
Abbey House	33	0.03
Totals	**5,202**	**5.29**

Table 11: CO_2e emissions as a result of on-site refrigerant gas replenishment

Location	Amount Refilled (kg)	Refrigerant type	tCO_2e
Guildhall	0.2	R407C	0.31

4. Comparison and benchmarking

4.1. Comparison to base year emissions

This is the seventh carbon footprint assessment Winchester City Council has carried out.

The following table and graph show historical emissions per activity, as well as Winchester City Council's total carbon footprint, tonnes of CO_2e per employee and tonnes of CO_2e per capita.

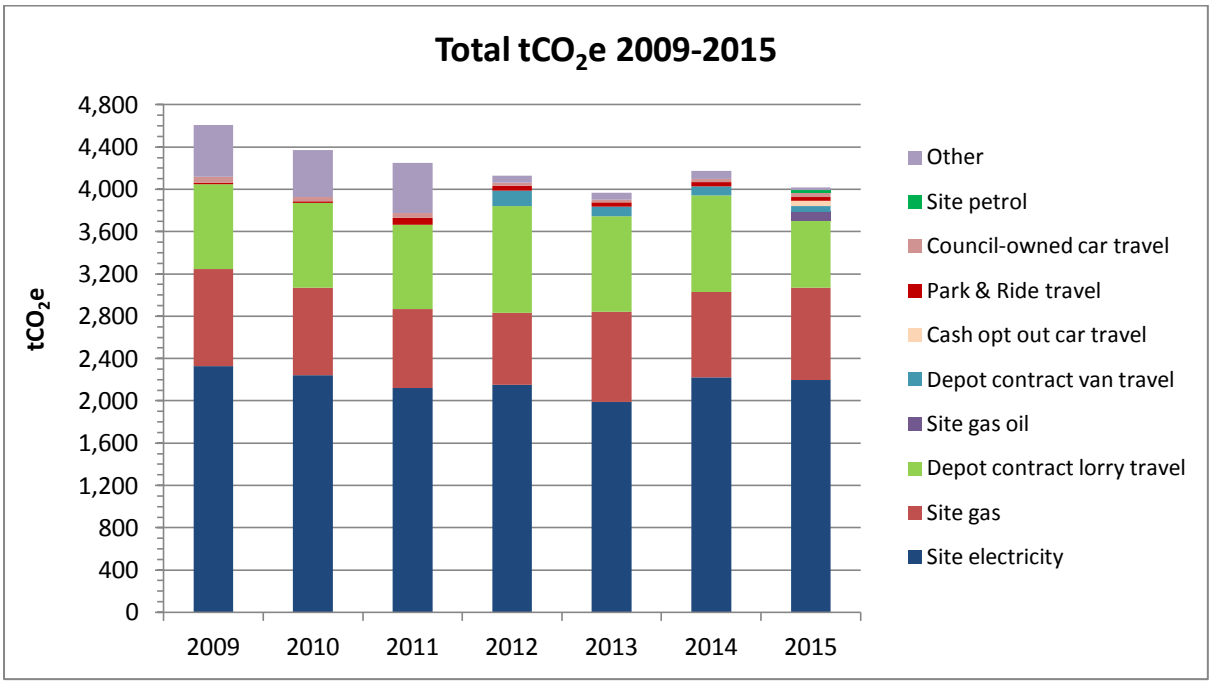


Figure 7: Detailed emissions comparison for the various aspects of the organisation's emissions

Winchester City Council has decreased its total carbon footprint by 12.8% between this period and the baseline year and by 3.8% since the previous year. This has mainly been due to a decrease in the depot contract lorry travel.

There have been some significant changes in the amount of energy consumption at certain sites. Reasons identified for these have included changes in the occupation of the building and faulty meters. For example, Abbey Mill was let from June 2014 which meant WCC's share of energy consumption was significantly lower than in 2013/14. Likewise, Bar End Depot was shared with a tenant and in 2014/15 that tenant moved out so WCC became responsible for the entire site, leading to an increase in consumption compared to the previous year. There has been the addition of new sites such as the Railway Cottages, Station Road and a number of sites are now no longer in use, such as the Discovery Centre car park and Friarsgate car park. Friarsgate car park closed on 30th March 2015 but sections of the car park had been closed off during the 2014/15 period resulting in the reduction in energy consumption.

It was identified that there was a faulty meter at the Barfield Close car park which affected the previous year's consumption value. The energy figure used for this reporting period is believed to be correct.

Other increases in energy consumption have been due to greater use of air-conditioning, new installations of blowers and extractor fans, maintenance work leading to increased 'on' time of compressor equipment and also an increase in accuracy of the data. This year it was identified that some meter data was missing for sites in the previous reporting period e.g. Couch Green and the Tower Street car park.

In previous years only the energy consumption from street lighting within the City had been included. This year and for the previous year (2013-14), this has now changed to encompass the energy use for all the street lighting within the District. The amount of energy consumed from street lighting has decreased by approximately 11% since the previous year (approximately 32,000 kWh). This has been due to the work WCC has been doing the past four years in upgrading the lighting stock with more energy efficient equipment and adjusting the operating times. WCC have also fitted a remote monitoring system which now allows for the lights to be dimmed.

Table 12: Winchester City Council's carbon footprint comparison and percentage change

Tonnes of CO_2e for footprint year ending in									
Element	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**% change on baseline year (2009)**	**% change on previous year**
Site electricity	2,330.21	2,242.16	2,120.54	2,151.00	1,989.87	2,221.40	2,197.11	-5.7%	-1.1%
Site gas	913.59	827.58	744.98	680.41	854.46	809.99	874.30	-4.3%	+7.9%
Depot contract lorry travel	803.95	803.95	801.35	1,012.20	899.32	908.43	630.67	-21.6%	-30.6%
Site gas oil[3]	-	-	-	-	-	-	82.51	n/a	n/a
Depot contract van travel	n/a	n/a	n/a	141.52	91.74	88.91	57.78	n/a	-35.0%
Cash opt out car travel	n/a	n/a	n/a	n/a	n/a	n/a	47.29	n/a	n/a
Park & Ride travel	13.55	13.55	64.91	46.63	42.04	41.23	38.31	+182.8%	-7.1%
Council-owned car travel	57.73	39.61	43.51	32.17	26.79	29.02	38.19	-33.8%	+31.6%
Site petrol[2]	-	-	-	-	-	-	25.42	n/a	n/a
Other[4]	489.53	445.48	472.33	64.25	64.77	76.65	24.77	-94.9%	-67.7%
Total tonnes of CO_2e	**4,608.55**	**4,372.33**	**4,247.61**	**4,128.18**	**3,969.00**	**4,175.63**	**4,016.36**	**-12.8%**	**-3.8%**
Tonnes of CO_2e per employee	**8.29**	**7.67**	**9.10**	**8.41**	**8.25**	**8.70**	**7.95**	**-4.0%**	**-8.6%**
Tonnes of CO_2e per capita	**0.041**	**0.038**	**0.042**	**0.036**	**0.034**	**0.035**	**0.034**	**-17.9%**	**-4.5%**

[3] Data for these emission sources had not been provided in previous years.
[4] 'Other' includes: grey fleet car & motorbike travel, rail travel, council-owned van travel, water use and refrigeration & A/C.

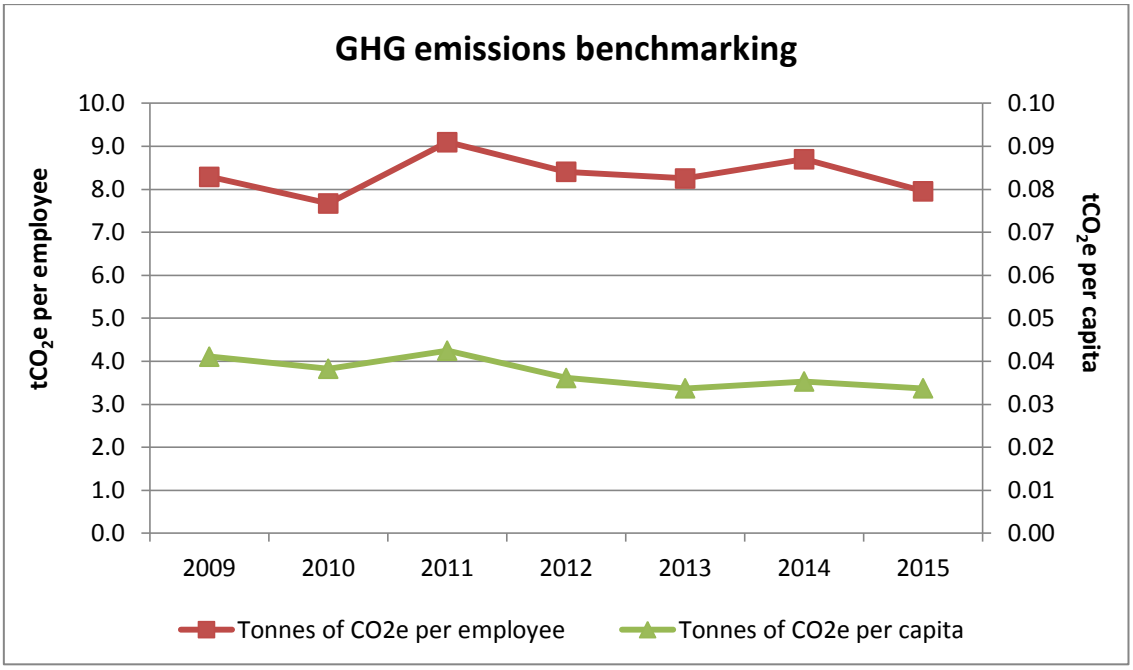


Figure 8: Carbon footprint of Winchester City Council for internal benchmarks

Carbon Footprint Ltd recommends that organisations use the base-year GHG inventory as a benchmark to measure yourself 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 12.8% based on its absolute emissions against 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 web site and customer tender documents, to demonstrate your carbon management achievements.

The Carbon Footprint Standard is recognition of your organisations 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. Defra / DECC's GHG Conversion Factors for Company Reporting (v1.2; October 2014)
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 - 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.

A.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 council-owned vehicle transport and any of the other 6 greenhouse gases produced.

Table 13: Data supplied and emissions breakdown for council-owned car transportation

Cost Centre / Location ID	Registration Plate	Make/Model	Engine CC	Fuel Type	Annual Distance (miles)	tCO_2e
WCC Neighbourhood warden	YC61 JZH	Peugeot 309 Estate	1600	Diesel (retail)	2,934	0.69
Parking Dept	KP11AOV		1500	Diesel (retail)	14,208	3.36
Parking Dept	DX13RBJ		1500	Diesel (retail)	19,515	4.62
Parking Dept	WJ11HTF			Electric	7,333	-
Planning Pool	HV60 NWN		1500	Diesel (retail)	509	0.12
	HV64 HRE	BMW i3		Electric	1,270	-
	LN11 ZJY		1600	Diesel (retail)	203	0.05
	HN62XWW		1600	Diesel (retail)	1,897	0.45
	HN11 JFA		1600	Diesel (retail)	737	0.17
	RX14 UTU		811	Diesel (retail)	811	0.19
	HG61NWN		1800	Hybrid/Petrol	2,959	0.57
	HJ15 BYD		2000	Diesel (retail)	141	0.04
	HJ11 HFG		1800	Hybrid/Petrol	37	0.01
	HN14 AWF		1600	Diesel (retail)	416	0.10
	LK14 ZBR		1600	Diesel (retail)	244	0.06

Cost Centre / Location ID	Registration Plate	Make/Model	Engine CC	Fuel Type	Annual Distance (miles)	tCO_2e
	HY62 TFF		1500	Diesel (retail)	227	0.05
	HJ15 HWL		2000	Diesel (retail)	148	0.04
	LS62EZE		1600	Diesel (retail)	115	0.03
	HV61 VFY		1200	Diesel (retail)	1,131	0.27
	HN62 MMO		1400	Petrol (retail)	511	0.17
	HX63 ZPC		1600	Diesel (retail)	870	0.21
	HJ15 DZW		1598	Diesel (retail)	1,706	0.40
	HG09 OJE		1600	Diesel (retail)	403	0.10
	HV63 HAO		1200	Petrol (retail)	2,269	0.59
	LS23 MHX		1600	Diesel (retail)	2,449	0.58
	EO12 FRU		1000	Petrol (retail)	5,661	1.46
	HN64 LNW		1000	Petrol (retail)	2,324	0.60
	OV61 HXF		1400	Petrol (retail)	1,107	0.36
	HN64 LHH		900	Petrol (retail)	522	0.13
	HN11DFL		1500	Diesel (retail)	79	0.02
	HN14 OSR		1500	Diesel (retail)	486	0.11
	HK60 RKZ		1300	Hybrid/Petrol	1,069	0.19
	HX15 PYU		1500	Petrol (retail)	69	0.02
	HN61 GWJ		1400	Petrol (retail)	1,778	0.57
	HT14 BUH		1600	Diesel (retail)	2,526	0.60
	NG56 UDN		1200	Diesel (retail)	493	0.12
	HF14 WWR		1000	Petrol (retail)	1,106	0.29
	AV14 FJX		1600	Diesel (retail)	2,155	0.51
	HY14 HLM		1400	Petrol (retail)	266	0.09
	HN09 KHK		1900	Diesel (retail)	1,650	0.47
	DL64 OPW		1500	Diesel (retail)	468	0.11
	HN62 DLY		2000	Diesel (retail)	278	0.08
	HV11 PYT		1200	Petrol (retail)	406	0.10
	HV12 XOP		2000	Diesel (retail)	30	0.01
	DN62 XLC		1500	Diesel (retail)	2,765	0.65

Cost Centre / Location ID	Registration Plate	Make/Model	Engine CC	Fuel Type	Annual Distance (miles)	tCO_2e
	LS14 UAA		1600	Diesel (retail)	1,795	0.42
	RE14 BZV		1500	Diesel (retail)	314	0.07
	HG10 VXW		1600	Diesel (retail)	5,071	1.20
	HK59 AOV		2000	Diesel (retail)	377	0.11
	HG14ORS		1400	Petrol (retail)	276	0.09
	HV63 YZG		1600	Diesel (retail)	1,664	0.39
	HG13 1XL		1600	Diesel (retail)	1,052	0.25
	HN12 EWF		1600	Diesel (retail)	847	0.20
	RE13 OBW		1500	Diesel (retail)	2,460	0.58
	HV12 FVN		2000	Diesel (retail)	130	0.04
	AY61 WFD		1400	Diesel (retail)	129	0.03
	HY10 UDK		1300	Diesel (retail)	1,147	0.27
	HN11YTE		1600	Diesel (retail)	219	0.05
	HV61 CFO		1500	Diesel (retail)	302	0.07
	HJ64 LGY		1400	Diesel (retail)	176	0.04
	HY12 OVA		1300	Diesel (retail)	140	0.03
	HG11 UJH		2000	Diesel (retail)	712	0.20
	KV63 PXL		1600	Diesel (retail)	3,015	0.71
	HV08 LPA		2000	Diesel (retail)	46	0.01
	VN1 11B		2000	Diesel (retail)	231	0.07
	HN58 JGZ		2000	Diesel (retail)	127	0.04
	WG55 VXB		1500	Diesel (retail)	491	0.12
	HV12 VRT		1600	Diesel (retail)	479	0.11
	HG63 OPF		1600	Diesel (retail)	144	0.03
	HJ63 XET		2000	Diesel (retail)	1,283	0.37
	HV12 XOE		2000	Diesel (retail)	727	0.21
	HG14 FDC		1600	Diesel (retail)	281	0.07
	HY61 KLP		1600	Diesel (retail)	355	0.08
	LT61 AXO		1600	Diesel (retail)	1,345	0.32
	LL64 NGE		1500	Diesel (retail)	480	0.11

Cost Centre / Location ID	Registration Plate	Make/Model	Engine CC	Fuel Type	Annual Distance (miles)	tCO_2e
	HK59 NMU		1800	Petrol (retail)	1,264	0.41
	HN13 LXN		1600	Diesel (retail)	1,475	0.35
	HN11JEU		2000	Diesel (retail)	468	0.13
	RV64 TMU		1600	Diesel (retail)	106	0.03
	HN61 GGO		2000	Diesel (retail)	6,594	1.88
	WP64 EOX		1500	Diesel (retail)	2,969	0.70
	HJ62 GOE		1997	Diesel (retail)	4,224	1.20
	HK61 EMF		1600	Diesel (retail)	899	0.21
	HN61 GMY		1200	Petrol (retail)	559	0.14
	HN61 YKD		1600	Diesel (retail)	1,060	0.25
	HK61 ELU		1200	Diesel (retail)	1,260	0.30
	RJ63 XEX		2000	Diesel (retail)	7,552	2.15
	HK59KYR		1300	Diesel (retail)	432	0.10
	HG62 JUW		2000	Diesel (retail)	44	0.01
	HV61 XTC		1300	Hybrid/Petrol	452	0.08
	DY13 WTO		1400	Diesel (retail)	521	0.12
	HY13 ANV		1600	Diesel (retail)	244	0.06
	KS11 CZN		1500	Diesel (retail)	648	0.15
	DY64 YNP		1500	Diesel (retail)	413	0.10
	RE62 LKN		1600	Diesel (retail)	451	0.11
	HN09 KHB		1900	Diesel (retail)	121	0.03
	RE14 WFX		1600	Diesel (retail)	1,138	0.27
	HJ13 LYT		1600	Diesel (retail)	1,336	0.32
	HV59 SZD		2000	Diesel (retail)	57	0.02
	BU63 XJP		1000	Petrol (retail)	349	0.09
	HG13 LXO		1395	Petrol (retail)	320	0.08
	HY12 VHX		1600	Petrol (retail)	399	0.13
	HX63 HCN		1700	Diesel (retail)	3,465	0.99
	HK59 CEF		1600	Diesel (retail)	511	0.12
	HN60 DYP		1600	Diesel (retail)	640	0.15

Cost Centre / Location ID	Registration Plate	Make/Model	Engine CC	Fuel Type	Annual Distance (miles)	tCO_2e
	HN11 AZJ		1400	Diesel (retail)	699	0.17
	HV13 EVB		1600	Diesel (retail)	2,936	0.69
	HK12 HBL		1600	Diesel (retail)	1,994	0.47
	HK10 NNW		1900	Diesel (retail)	129	0.04
	RO13 LZT		2000	Diesel (retail)	200	0.06
	HV61 EPJ		1600	Diesel (retail)	523	0.12
	HV59 VBZ		1900	Diesel (retail)	169	0.05
	CE61 LJU		1300	Diesel (retail)	315	0.07
	HV11 WDD		1600	Diesel (retail)	650	0.15
Total					**161,682**	**38.19**

Table 14: Data supplied and emissions breakdown for site energy usage

Site Name	Natural Gas (kWh)	Natural Gas (tCO_2e)
River Park Leisure Centre	3,871,109	716.05
Guildhall	235,586	43.58
City Offices	171,546	31.73
City Offices Annex	14,258	2.64
Meadowside Leisure Centre	111,589	20.64
Bar End Depot (1)	109,806	20.31
Bar End Depot (2)	10,569	1.95
Kings Court / West Wing - NEW METER	63,916	11.82
Abbey House	61,109	11.30
Museum - The Square (City Museum)	29,100	5.38
Hyde Lodge - Ground - Central Control - New Meter	25,491	4.72
Hyde Lodge - First/Top - Meeting Rooms & Storage	15,609	2.89
Hyde Lodge - Basement - Wardens Office	4,723	0.87
Hyde Lodge - Ground - Central Control	1,170	0.22
Street Lighting	587	0.11
Avalon House	490	0.09
Totals	**4,726,658**	**874.30**

Table 15: Data supplied and emissions breakdown for other fuel use

Type of fuel	Litres	Tonnes of CO_2e
Gas oil	28,201	82.51
Petrol	11,602	25.42
Total	**39,803**	**107.93**

Table 16: Data supplied and emissions breakdown for refrigerant gas replenishment

Location	Amount Refilled (kg)	Refrigerant type	tCO_2e
Guildhall	0.2	R407C	0.31

A.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 17: Data supplied and emissions breakdown for purchased electricity usage

Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO_2e)
Abbey Grounds Store		3,408	1.68
Abbey House		7,263	3.59
Abbey Mill - NEW METER		11	0.01
Abbey Mill - NEW METER		995	0.49
Avalon House - Old Meter		8,780	4.34
Avalon House - New Meter		23,040	11.39
Bank House - Common Area		1,894	0.94
Bowls Pavillion, Gordon Road - NEW METER		1,143	0.56
Car Park - Brooks		661,730	327.07

Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO_2e)
Car Park Misc - Bar End Park & Ride/St Catherines - NEW METER		38,093	18.83
Car Park Misc - Barfield Close		5,628	2.78
Car Park Misc - Cattle Market CCTV -		1,122	0.55
Car Park Misc - Discovery Centre - NEW METER		0	0.00
Car Park Misc - Gladstone Street - NEW METER		5,704	2.82
Car Park Misc - Lower Lane Hut Bish Walt - NEW METER		569	0.28
Car Park Misc - Middle Brook St - NEW METER		8,584	4.24
Car Park Misc - Middle Brook St Pump - NEW METER		186	0.09
Car Park Misc - 'Old St Catherines Hut' - NEW METER		5,505	2.72
Car Park Misc - Tower Street		249,907	123.52
Car Park Misc - Worthy Lane Att Hut - NEW METER		0	0.00
Car Park Chesil m/s Car Park - Day - NEW METER		157,365	77.78
Car Park Chesil m/s Car Park - Night - NEW METER		52,417	25.91
Car Park - Friarsgate m/s - Day - NEW METER		96,717	47.80
Car Park - Friarsgate m/s - Night - NEW METER		21,878	10.81
Cricket Pavillion - Low - NEW METER		5,129	2.54
Cricket Pavillion - Norm - NEW METER		113	0.06
City Offices Annex		15,807	7.81
City Offices	321	284,915	140.82
Guildhall	62	417,619	206.41
F2 - NEW METER		28,739	14.20
Footbridge Bishops Waltham - NEW METER		1,441	0.71
Kings Court / West Wing - NEW METER	100	213,970	105.76
Magdalen Hill Cemetry Lodge - NEW METER		3,105	1.53
Market Traders Meter (Brooks)		16,529	8.17
Market Traders Meter (2) - NEW METER		1,192	0.59
Meadowside Leisure Centre		109,191	53.97

Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO_2e)
Museum - The Square (City Museum)	3	15,463	7.64
Museum - Westgate	2	4,062	2.01
Museum - Westgate		8,008	3.96
8 Middle Brook Street/Office Above Bejams/ Car Parks - NEW METER		12,514	6.19
Public Convenience - Station Road Alresford - NEW METER		4,796	2.37
Public Convenience - Houchin Street, Bishops Waltham - NEW METER		13,779	6.81
Public Convenience - Denmead - Kidmore Lane - NEW METER		3,405	1.68
Public Convenience - Market Street - NEW METER		27,583	13.63
Public Convenience - Worthy Lane - NEW METER		7,969	3.94
Public Convenience - Warwick Way, Wickham - NEW METER		8,003	3.96
Public Convenience - Abbey Grounds Green Box, Ladies & Gents (renovated mens block) - NEW METER		10,199	5.04
Public Convenience - Tower Street - NEW METER		12,929	6.39
Public Convenience - Discovery Centre - NEW METER		4,704	2.32
River Park Leisure Centre		849,163	419.71
River Park Leisure Centre - Tennis Court Flood Lighting		39,471	19.51
Showcases		4,343	2.15
Sports Pavillion Bar End Road 1 - OLD METER		0	0.00
Sports Pavillion Bar End Road 1 - NEW METER		0	0.00
Sports Pavillion 2 Milland Road - Low		1,728	0.85
Sports Pavillion 2 Milland Road - Norm		3,811	1.88
SPORTS PAVILLION BAR END. - NEW METER		1,266	0.63
St Georges Street Lighting - Low		914	0.45
St Georges Street Lighting - Norm		591	0.29
Weeke Pond - NEW METER		2,310	1.14
Baring Close - NEW METER		1,136	0.56
Beech Grove - NEW METER		609	0.30

Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO_2e)
Bighton		5,803	2.87
Woodman Close/Church Farm Cottages - NEW METER		2,120	1.05
Couch Green - NEW METER		917	0.45
Couch Green, Martyr Worthy		13,520	6.68
Cricket Close		3,091	1.53
Hazeldene Gardens - NEW METER		1,105	0.55
Hilly Close - NEW METTER		54	0.03
Hobbs Close - NEW METER		14,987	7.41
Hobbs Close Pump House- NEW METER		1,712	0.85
Kiln Lane - NEW METER		3,264	1.61
Long Priors - NEW METER		14,584	7.21
Long Road - NEW METER		12,710	6.28
North Drive - NEW METER		10,469	5.17
Northington Road - NEW METER		26,884	13.29
Old Alresford, Basingstoke Road - NEW METER		349	0.17
Park Lane - NEW METER		27,469	13.58
Pound Lane - NEW METER - Last Read Taken 02/10/2012		497	0.25
Widley Walk, Purbrook - NEW METER		9,308	4.60
St. Andrews Green - NEW METER		363	0.18
The Brook - NEW METER		1,415	0.70
The Brook - NEW METER		1,644	0.81
The Goodens - Peak - NEW METER		34	0.02
The Goodens - Off Peak - NEW METER		156	0.08
The Pastures - NEW METER		270	0.13
The Pastures - NEW METER		1,066	0.53
The Pastures - NEW METER		758	0.37
Trampers Lane, Birch Hill		1,046	0.52

Site Name	No. of staff	Grid Electricity (kWh)	Electricity Generation (tCO_2e)
Trampers Lane, Wine Cross - NEW METER		10,533	5.21
Woodlane Close		1,473	0.73
Woodlane Close		7,506	3.71
Woodlane Close		1,568	0.77
Granville Place - NEW METER		981	0.48
Itchen View - NEW METER		3,158	1.56
Itchen View - Water Treatment Plant - NEW METER		6,308	3.12
Elm Crescent - NEW METER		6,109	3.02
Oak Close - NEW METER		7,516	3.71
Southbrook Place, Rook Lane		8,092	4.00
Railway Cottages, Station Road		2,605	1.29
Hyde Lodge - Basement - Wardens Office	17	14,639	7.24
Hyde Lodge - Ground - Central Control		3,763	1.86
Hyde Lodge - Ground - Central Control - New Meter		7,708	3.81
Hyde Lodge - First/Top - Meeting Rooms & Storage		2,910	1.44
Basepoint		54,814	27.09
Bar End Depot		6,221	3.07
Bar End Depot		36,100	17.84
Kingswalk, Landlords Supply		18,158	8.97
Kingswalk, 2nd & 3rd Floor Office		0	0.00
West Hill Cemetery		604	0.30
Street Lighting[5]		243,000	120.11
Totals	**505**	**4,087,806**	**2,020.44**

[5] Street lighting consumption figure is for the whole District.

A.3 Data Used for Scope 3 Emissions Assessment

The tables below demonstrate the company's employee business travel, any outsourced transport, and emissions from the transmission and distribution of purchased energy.

Table 18: Data supplied and emissions breakdown for staff business travel by employee owned car

Cost Centre / Location ID	Registration Plate	Engine cc	Fuel Type	Annual Distance (miles)	tCO_2e
Casual	HN60 PDU	2000	Petrol (retail)	367	0.12
Casual	T66 JLD	1600	Diesel (retail)	250	0.06
Casual	BU54 DJO	1600	Diesel (retail)	454	0.11
Casual	NL09 KHR	1600	Petrol (retail)	334	0.11
Casual	WN02 UXA	1900	Diesel (retail)	14	0.004
Casual	HY10 GEK	1400	Petrol (retail)	16	0.01
Casual	HN55 MXO	1400	Petrol (retail)	2,864	0.93
Casual	HK14 HCU	1000	Petrol (retail)	3,158	0.82
Casual	NX55YUK	1600	Petrol (retail)	44	0.01
Casual	EJ58 LMK	1800	Petrol (retail)	189	0.06
Casual	FL56 LYO	2000	Diesel (retail)	72	0.02
Casual	HK11 DFC	1197	Petrol (retail)	170	0.04
Casual	HW57 HKA	1500	Diesel (retail)	131	0.03
Casual	RV04 ZMY	1368	Petrol (retail)	155	0.04
Casual	HM13 MGU	2500	Diesel (retail)	51	0.02
Casual	HY57 KXC	1200	Petrol (retail)	37	0.01
Casual	OV56 VFS	2000	Petrol (retail)	276	0.09
Casual	OV06 UEJ	2000	Petrol (retail)	455	0.15
Casual	RV08 CGO	1200	Petrol (retail)	2,067	0.53
Casual	GU05 SZZ	1600	Petrol (retail)	419	0.14
Casual	HJ57 VMF	1200	Petrol (retail)	190	0.05
Casual	CP08 CAT	1600	Petrol (retail)	2,650	0.86

Cost Centre / Location ID	Registration Plate	Engine cc	Fuel Type	Annual Distance (miles)	tCO_2e
Casual	YE60 UDH	1600	Diesel (retail)	34	0.01
Casual	HN07 CWM	1900	Diesel (retail)	1,017	0.29
Casual	HV55 UUC	1800	Petrol (retail)	95	0.03
Casual	HJ03 PBY	1590	Petrol (retail)	91	0.03
Casual	WP58 JSU	1200	Petrol (retail)	136	0.04
Casual	WP07 XGT	1400	Petrol (retail)	464	0.15
Casual	RF04 HAX	2000	Diesel (retail)	132	0.04
Casual	HV06 VDL	1600	Petrol (retail)	53	0.02
Casual	WV08 FHD	1400	Petrol (retail)	192	0.06
Casual	YE10 UTL	2000	Diesel (retail)	113	0.03
Casual	HN54 GPJ	2000	Diesel (retail)	144	0.04
Casual	RA04 ZDW	1600	Petrol (retail)	933	0.30
Casual	T871 SSC	1000	Petrol (retail)	269	0.07
Casual	HV14 JWM	1000	Petrol (retail)	269	0.07
Casual	WF06 UCC	1400	Petrol (retail)	21	0.01
Casual	WU05 ULV	1600	Petrol (retail)	25	0.01
Casual	EJ51 OZD	1250	Petrol (retail)	682	0.18
Casual	WP11 HFW	1600	Diesel (retail)	51	0.01
Casual	HT57 FDK	1600	Diesel (retail)	2,592	0.61
Casual	S35 JRV	1600	Petrol (retail)	1,244	0.40
Casual	HEZ 9649	3200	Petrol (retail)	427	0.20
Casual	HV03 PCF	1200	Petrol (retail)	360	0.09
Casual	GV03 BFU	1900	Diesel (retail)	448	0.13
Casual	RV13 LSY	1900	Diesel (retail)	448	0.13
Casual	HV08 EUU	1400	Petrol (retail)	145	0.05
Casual	HN05 RZS	1800	Petrol (retail)	98	0.03
Casual	HJ05 ZYG	1400	Petrol (retail)	8,705	2.81

Cost Centre / Location ID	Registration Plate	Engine cc	Fuel Type	Annual Distance (miles)	tCO_2e
Casual	HG04 JSX	1800	Petrol (retail)	292	0.09
Casual	DV08 ULY	2200	Diesel (retail)	862	0.32
Casual	HU61 NET	1000	Petrol (retail)	176	0.05
Casual	HY63 OSL	1200	Petrol (retail)	2,781	0.72
Members	T4 PKM	2000	Petrol (retail)	490	0.16
Members	HW07 HYA	2700	Diesel (retail)	1,354	0.50
Members	HK59 XVM	1300	Petrol (retail)	397	0.10
Members	HY59 UHB	1200	Petrol (retail)	397	0.10
Members	HY59 OGE	1600	Diesel (retail)	1,200	0.28
Members	HV09 DFE	1300	Petrol (retail)	95	0.02
Members	YP08 KZO	1500	Diesel (retail)	2,892	0.68
Members	R11FEL	2000	Petrol (retail)	668	0.22
Members	HV09 ZPG	1600	Petrol (retail)	642	0.21
Members	HK08 HWB	2000	Diesel (retail)	642	0.18
Members	PT29 OKM	1800	Petrol (retail)	207	0.07
Members	99JXD	1400	Petrol (retail)	558	0.18
Members	K3 VLW	2000	Diesel (retail)	3,350	0.96
Members	GX59 BUG	3500	Diesel (retail)	62	0.02
Total				**50,616**	**14.90**

Table 19: Data supplied and emissions breakdown for staff business travel by cash opt out car

Cost Centre / Location ID	Registration Plate	Engine cc	Fuel Type	Annual Distance (miles)	tCO_2e
Essential	RX14 YVH	1364	Diesel (retail)	378	0.09
Essential	YE05 KZC	1488	Diesel (retail)	1,488	0.35
Essential	W879 PHO	2000	Petrol (retail)	124	0.04
Essential	WD59 EFG	1900	Diesel (retail)	2,176	0.62
Essential	NG54 CBF	1600	Petrol (retail)	806	0.26
Essential	RV54 FJU	1300	Petrol (retail)	121	0.03
Essential	P971 HKD	1900	Diesel (retail)	1,338	0.38
Essential	HV13 BBE	1601	Diesel (retail)	40	0.01
Essential	GV08 BZA	2000	Diesel (retail)	1,145	0.33
Essential	YP51 LHD	1150	Petrol (retail)	1,150	0.30
Essential	S299 VBO	1600	Petrol (retail)	77	0.02
Essential	HG06 VWP	1200	Petrol (retail)	2,143	0.55
Essential	X984 EKX	2000	Petrol (retail)	60	0.02
Essential	HY63 YNT	1560	Diesel (retail)	4,254	1.01
Essential	RY51 MUM	1400	Diesel (retail)	521	0.12
Essential	DN10 NDJ	1400	Petrol (retail)	163	0.05
Essential	HY64 VSC	1300	Petrol (retail)	894	0.23
Essential	LL04 KRG	2143	Diesel (retail)	2,144	0.80
Essential	W154 OAA	1300	Petrol (retail)	164	0.04
Essential	WM59 HFF	1800	Petrol (retail)	50	0.02
Essential	HY11 JDX	875	Petrol (retail)	3,192	0.83
Essential	RE59 UAU	1598	Diesel (retail)	4,015	0.95
Essential	WR59 BUW	2000	Diesel (retail)	425	0.12
Essential	YC06 VDM	1800	Petrol (retail)	3,304	1.07
Essential	HV59 BCK	2000	Petrol (retail)	172	0.06
Essential	PK51 MHN	1896	Diesel (retail)	313	0.09
Essential	HN60 NMK	1400	Diesel (retail)	441	0.10
Essential	RJ60 CKV	1200	Petrol (retail)	1,200	0.31
Essential	V916 EOU	1834	Petrol (retail)	3,841	1.24

Cost Centre / Location ID	Registration Plate	Engine cc	Fuel Type	Annual Distance (miles)	tCO_2e
Essential	HK10 YNE	1200	Petrol (retail)	631	0.16
Essential	VA53 KLF	1400	Diesel (retail)	385	0.09
Essential	HD53 WCO	1600	Petrol (retail)	724	0.23
Essential	RV03 RXL	2000	Petrol (retail)	724	0.23
Essential	FE61 KUS	2400	Diesel (retail)	455	0.17
Essential	HD53 LSV	1242	Petrol (retail)	265	0.07
Essential	FY12 LUA	1576	Diesel (retail)	34	0.01
Essential	LD60 UDV	1600	Diesel (retail)	1,511	0.36
Essential	HF14 MKM	2000	Diesel (retail)	1,427	0.41
Essential	HG56 HNN	1600	Petrol (retail)	408	0.13
Essential	HG10 VXW	1600	Diesel (retail)	2,955	0.70
Essential	YB07 VPU	2000	Diesel (retail)	2,955	0.84
Essential	YE54 OWH	1600	Diesel (retail)	1,643	0.39
Essential	DY14 ABU	1900	Diesel (retail)	1,643	0.47
Essential	HG58 5ZD	1400	Diesel (retail)	1,905	0.45
Essential	W569 OMG	1800	Petrol (retail)	970	0.31
Essential	RG07 KFA	2700	Petrol (retail)	970	0.45
Essential	FH06 LZE	2000	Petrol (retail)	375	0.12
Essential	HN11 VNZ	1400	Petrol (retail)	4,921	1.59
Essential	LT06 XBR	3000	Diesel (retail)	196	0.07
Essential	AU53 CVN	999	Petrol (retail)	128	0.03
Essential	WD04 BFJ	1200	Petrol (retail)	917	0.24
Essential	HS03 HZV	1600	Petrol (retail)	2,063	0.67
Essential	HN04 ULF	1400	Petrol (retail)	2,063	0.67
Essential	VK12 SSX	1400	Petrol (retail)	428	0.14
Essential	DV05 0NP	1800	Petrol (retail)	254	0.08
Essential	HY07 AUU	1600	Petrol (retail)	133	0.04
Essential	HK54 GRU	1600	Petrol (retail)	133	0.04
Essential	250 XXD	1900	Petrol (retail)	797	0.26
Essential	HY06 NAO	1400	Petrol (retail)	195	0.06

Cost Centre / Location ID	Registration Plate	Engine cc	Fuel Type	Annual Distance (miles)	tCO_2e
Essential	LB06 DTZ	1100	Petrol (retail)	427	0.11
Essential	N107 TVC	2000	Petrol (retail)	791	0.26
Essential	P282 AFG	1800	Petrol (retail)	1,815	0.59
Essential	HK60 LHX	1400	Diesel (retail)	707	0.17
Essential	HG12 VVJ	1500	Diesel (retail)	978	0.23
Essential	HN07 VHA	1400	Petrol (retail)	930	0.30
Essential	VN13 NUU	1598	Diesel (retail)	3,006	0.71
Essential	RK14 FBA	1200	Diesel (retail)	382	0.09
Essential	NG52 JHX	1800	Petrol (retail)	2,155	0.70
Essential	DV56 NHO	1386	Petrol (retail)	14	0.004
Essential	AF56 UNH	2200	Diesel (retail)	3,964	1.47
Essential	HY10 OTK	1400	Petrol (retail)	3,599	1.16
Essential	AJ09 OMO	1997	Diesel (retail)	147	0.04
Essential	EF61 CHZ	1600	Diesel (retail)	631	0.15
Essential	VN06 NVR	1200	Petrol (retail)	2,305	0.60
Essential	HT55 AWC	1300	Diesel (retail)	101	0.02
Essential	HV55 XSP	1200	Petrol (retail)	3,568	0.92
Essential	CE59 OJR	1400	Diesel (retail)	2,238	0.53
Essential	EJ58 CDK	1300	Petrol (retail)	1,011	0.26
Essential	NJ56 HGF	2000	Diesel (retail)	301	0.09
Essential	HN03 HAE	1000	Petrol (retail)	1,715	0.44
Essential	HY62 RRO	1600	Petrol (retail)	10	0.003
Essential	PK05 HLX	1400	Petrol (retail)	391	0.13
Essential	HV04 RXK	4400	Petrol (retail)	6,481	3.03
Essential	LG13 WSV	1560	Diesel (retail)	90	0.02
Essential	AY03 WPJ	1800	Petrol (retail)	1,294	0.42
Essential	HN57 HWK	1600	Diesel (retail)	927	0.22
Essential	DF62 LJO	1400	Diesel (retail)	927	0.22
Essential	K5 SVS	2100	Diesel (retail)	5,787	2.15
Essential	HN09 HWB	1250	Petrol (retail)	4,203	1.09

Cost Centre / Location ID	Registration Plate	Engine cc	Fuel Type	Annual Distance (miles)	tCO_2e
Essential	GV54 TKF	1100	Diesel (retail)	204	0.05
Essential	HY61 USN	1600	Diesel (retail)	1,868	0.44
Essential	HN05 RZS	1800	Petrol (retail)	677	0.22
Essential	RA55 HLR	1295	Petrol (retail)	127	0.03
Essential	FR12 AUW	1600	Diesel (retail)	371	0.09
Essential	FH53 ZVM	1600	Petrol (retail)	371	0.12
Essential	RV14 OVH	1000	Petrol (retail)	700	0.18
Essential	KU11 GXM	2000	Diesel (retail)	101	0.03
Essential	GU64 FTO	1965	Diesel (retail)	326	0.09
Essential	HK55 BMZ	1600	Petrol (retail)	3,298	1.07
Essential	S41 KGM	1600	Diesel (retail)	3,298	0.78
Essential	HT06 BWB	2000	Diesel (retail)	3,903	1.11
Essential	YT56 XAH	1200	Petrol (retail)	2,412	0.62
Essential	SN03 NYY	1600	Petrol (retail)	148	0.05
Essential	EF53 SBX	1769	Petrol (retail)	893	0.29
Essential	YY11 VPR	1461	Diesel (retail)	893	0.21
Essential	HN14 XLL	2200	Diesel (retail)	186	0.07
Essential	YL64 AWF	1500	Diesel (retail)	186	0.04
Essential	RE04 XAK	2200	Petrol (retail)	759	0.35
Essential	MT08 CLJ	2200	Diesel (retail)	1,951	0.72
Essential	Y641 GAA	1400	Petrol (retail)	3,440	1.11
Essential	RA05 CCE	1200	Petrol (retail)	3,800	0.98
Essential	HY63 UOL	2250	Diesel (retail)	260	0.10
Essential	LX52 JSY	2500	Diesel (retail)	3,958	1.47
Essential	S697 BAA	1900	Diesel (retail)	3,958	1.13
Essential	HV12 RUR	1198	Petrol (retail)	538	0.14
Essential	BV58 NFC	1400	Petrol (retail)	435	0.14
Total				**158,303**	**47.29**

Table 20: Data supplied and emissions breakdown for staff business travel by train

Train Type	No. of Passenger Trips	Origin	Destination	Return Trip?	tCO_2e
National rail	6	Alton	London Waterloo	Yes	0.05
National rail	1	Andover	London Waterloo	Yes	0.01
National rail	1	Basingstoke	Andover	Yes	0.004
National rail	11	Basingstoke	Cosham	Yes	0.08
National rail	1	Basingstoke	Guildford	Yes	0.005
National rail	5	Basingstoke	London Waterloo	Yes	0.04
National rail	1	Basingstoke	Portsmouth Harbour	Yes	0.01
National rail	2	Basingstoke	Winchester	Yes	0.01
National rail	2	Birmingham New Street	London Waterloo	Yes	0.04
National rail	1	Bournemouth	Basingstoke	Yes	0.01
National rail	1	Chippenham	Bath Spa	Yes	0.003
National rail	1	Chippenham	Birmingham New Street	Yes	0.02
National rail	3	Chippenham	London Waterloo	Yes	0.05
National rail	1	Chippenham	Swindon	Yes	0.003
National rail	1	Christchurch	Kettering	Yes	0.01
National rail	1	Eastleigh	Andover	Yes	0.004
National rail	2	Eastleigh	Birmingham New Street	Yes	0.04
National rail	1	Eastleigh	Brighton	Yes	0.01
National rail	1	Eastleigh	Bristol Temple Meads	Yes	0.01
National rail	27	Eastleigh	London Waterloo	Yes	0.31
National rail	2	Eastleigh	Northampton	Yes	0.03
National rail	1	Eastleigh	Southampton	Yes	0.001
National rail	2	Eastleigh	Winchester	Yes	0.002
National rail	2	Southampton Airport Parkway	London Waterloo	Yes	0.02
National rail	8	Fareham	London Waterloo	Yes	0.09
National rail	1	Fareham	Newquay	Yes	0.03
National rail	1	Fratton	London Waterloo	Yes	0.01
National rail	5	Havant	London Waterloo	Yes	0.05
National rail	11	Hedge End	Andover	Yes	0.06
National rail	2	Hedge End	Camberley	Yes	0.02

Train Type	No. of Passenger Trips	Origin	Destination	Return Trip?	tCO_2e
National rail	5	Hedge End	London Waterloo	Yes	0.07
National rail	1	Hinton Admiral	Bath Spa	Yes	0.01
National rail	1	Hunstanton	Cambridge	Yes	0.01
National rail	2	London Paddington	Reading	Yes	0.01
National rail	1	Manchester Piccadilly	London Waterloo	Yes	0.03
National rail	1	Manchester Piccadilly	Winchester	Yes	0.03
National rail	1	Manchester Piccadilly	Maidstone	Yes	0.04
National rail	1	Manchester Airport	Leeds Central	Yes	0.01
National rail	2	Manchester Airport	Liverpool South Parkway	Yes	0.01
National rail	1	Manchester Airport	Manchester	Yes	0.001
National rail	1	Micheldever	Leicester	Yes	0.02
National rail	1	Overton	Aldershot	Yes	0.004
National rail	1	Overton	Brighton	Yes	0.01
National rail	1	Overton	Eastleigh	Yes	0.004
National rail	3	Overton	Totton	Yes	0.01
National rail	1	Pokesdown	London Waterloo	Yes	0.02
National rail	1	Reading	Chippenham	Yes	0.01
National rail	1	Reading	Eastleigh	Yes	0.01
National rail	2	Romsey	London Waterloo	Yes	0.03
National rail	1	Romsey	Poole	Yes	0.01
National rail	1	Salisbury	Bristol Temple Meads	Yes	0.01
National rail	1	Salisbury	London Waterloo	Yes	0.01
National rail	1	Salisbury	Trowbridge	Yes	0.005
National rail	12	Sholing	London Waterloo	Yes	0.16
National rail	1	Southampton Central	Birmingham New Street	Yes	0.02
National rail	10	Southampton Central	London Waterloo	Yes	0.12
National rail	1	Southampton Central	Reading	Yes	0.01
National rail	1	Southampton Airport Parkway	Birmingham New Street	Yes	0.02
National rail	3	Southampton Airport Parkway	London Waterloo	Yes	0.04
National rail	1	Southampton Central	London Waterloo	Yes	0.01
National rail	1	Southampton Central	West Cowes	Yes	0.002

Train Type	No. of Passenger Trips	Origin	Destination	Return Trip?	tCO_2e
National rail	2	Southampton Airport Parkway	London Waterloo	Yes	0.03
National rail	2	Portsmouth & Southsea	London Waterloo	Yes	0.02
National rail	1	St Denys	Nottingham	Yes	0.03
National rail	2	Swaythling	Bath Spa	Yes	0.02
National rail	2	Totton	London Waterloo	Yes	0.03
National rail	3	Warminster	London Waterloo	Yes	0.05
National rail		warrant books	and annual fee	Yes	0.00
National rail	1	Whitchurch	Basingstoke	Yes	0.002
National rail	1	Whitchurch	Bristol Temple Meads	Yes	0.01
National rail	20	Whitchurch	London Waterloo	Yes	0.21
National rail	1	Winchester	Aldershot	Yes	0.01
National rail	15	Winchester	Andover	Yes	0.04
National rail	4	Winchester	Basingstoke	Yes	0.01
National rail	1	Winchester	Bath Spa	Yes	0.01
National rail	1	Winchester	Bedford	Yes	0.02
National rail	4	Winchester	Birmingham New Street	Yes	0.08
National rail	3	Winchester	Bournemouth	Yes	0.02
National rail	1	Winchester	Bristol Temple Meads	Yes	0.01
National rail	2	Winchester	Camberley	Yes	0.01
National rail	1	Winchester	Cardiff	Yes	0.02
National rail	1	Winchester	Chichester	Yes	0.01
National rail	1	Winchester	Clapham Junction	Yes	0.01
National rail	4	Winchester	Cosham	Yes	0.02
National rail	2	Winchester	Coventry	Yes	0.03
National rail	1	Winchester	Croydon	Yes	0.01
National rail	2	Winchester	Dorking Deepdene	Yes	0.02
National rail	12	Winchester	Eastleigh	Yes	0.01
National rail	2	Winchester	Fareham	Yes	0.01
National rail	3	Winchester	Farnborough Main	Yes	0.02
National rail	1	Winchester	Harrow & Wealdstone	Yes	0.01
National rail	3	Winchester	Havant	Yes	0.01

Train Type	No. of Passenger Trips	Origin	Destination	Return Trip?	tCO_2e
National rail	2	Winchester	High Wycombe	Yes	0.02
National rail	1	Winchester	Horsham	Yes	0.01
National rail	128	Winchester	London Waterloo	Yes	1.35
National rail	1	Winchester	Lymington	Yes	0.004
National rail	2	Winchester	Manchester	Yes	0.07
National rail	1	Winchester	Melton Mowbray	Yes	0.02
National rail	1	Winchester	Newquay	Yes	0.03
National rail	1	Winchester	Nottingham	Yes	0.03
National rail	1	Winchester	Oxford	Yes	0.01
National rail	3	Winchester	Petersfield	Yes	0.01
National rail	2	Winchester	Plymouth	Yes	0.05
National rail	2	Winchester	Portsmouth & Southsea	Yes	0.01
National rail	1	Winchester	Portsmouth & Southsea	Yes	0.005
National rail	3	Winchester	Reading	Yes	0.02
National rail	4	Winchester	Salisbury	Yes	0.01
National rail	5	Winchester	Southampton	Yes	0.01
National rail	2	Winchester	Southampton Central	Yes	0.004
National rail	2	Winchester	Woking	Yes	0.01
National rail	1	Winchester	Wrexham	Yes	0.03
National rail	1	Windsor & Eton	Coventry	Yes	0.01
National rail	1	Hook	London Waterloo	Yes	0.01
Total	**431**				**4.27**

Table 21: Data supplied and emissions breakdown for staff business travel by bus

Type of Bus	Distance (km)	tCO_2e
Local bus	350,000	38.31

Table 22: Data supplied and emissions breakdown for company owned lorry transportation

Cost Centre/Location ID	Registration Plate	Engine CC	Type of Lorry	Travel distance (miles)*	Annual litres fuel	tCO_2e
Biffa	GK12 TYA		Refuse Collection Vehicle	27,449	-	32.11
Biffa	VU61 HLC		Refuse Collection Vehicle	13,220	-	15.46
Biffa	VU61 HLH		Refuse Collection Vehicle	13,589	-	15.89
Biffa	VU61 HLK		Refuse Collection Vehicle	13,622	-	15.93
Biffa	VU61 HLO		Refuse Collection Vehicle	14,194	-	16.60
Biffa	VX54BYZ		Refuse Collection Vehicle	8,710	-	10.19
Biffa	VU61 HLW		Refuse Collection Vehicle	16,195	-	18.94
Biffa	GK61 XTC		Refuse Collection Vehicle	98,260	-	114.93
Biffa	VU61 HLV		Refuse Collection Vehicle	15,018	-	17.57
Biffa	VU11HPO		Refuse Collection Vehicle	12,124	-	14.18
Biffa	VU61 HKZ		Refuse Collection Vehicle	12,970	-	15.17
Biffa	VU61 HLF		Refuse Collection Vehicle	12,002	-	14.04
Biffa	VU61 HKT		Refuse Collection Vehicle	13,857	-	16.21
Biffa	VU61 HKV		Refuse Collection Vehicle	13,592	-	15.90
Biffa	VU61 HLG		Refuse Collection Vehicle	12,118	-	14.17
Biffa	VU61 HKW		Refuse Collection Vehicle	14,341	-	16.77
Biffa	EK03 HLN		Refuse Collection Vehicle	8,710	-	10.19
Biffa	VU61 HLR		Refuse Collection Vehicle	16,084	-	18.81
Biffa	GK61 XTE		Refuse Collection Vehicle	15,908	-	18.61
Biffa	VU61 HLA		Refuse Collection Vehicle	14,806	-	17.32
Biffa	VU61 HLP		Refuse Collection Vehicle	13,148	-	15.38
Biffa	VU10 HWM		Refuse Collection Vehicle	11,676	-	13.66
Biffa	VU61 HLN		Refuse Collection Vehicle	13,820	-	16.16
Biffa	VU61 HLR		Refuse Collection Vehicle	16,156	-	18.90
Biffa	VU61 HLJ		Refuse Collection Vehicle	13,403	-	15.68
Biffa	VU61 HLM		Refuse Collection Vehicle	17,168	-	20.08
Biffa	KE06 EZG		Refuse Collection Vehicle	2,558	-	2.99
Biffa	AY58 FEM		Refuse Collection Vehicle	15,668	-	18.33
Biffa	GN54 NFJ		Refuse Collection Vehicle	8,710	-	10.19
Biffa	VU61HKY		Refuse Collection Vehicle	8,710	-	10.19

Cost Centre/Location ID	Registration Plate	Engine CC	Type of Lorry	Travel distance (miles)*	Annual litres fuel	tCO_2e
Biffa	VU61HLE		Refuse Collection Vehicle	8,710	-	10.19
Biffa	VU61HLX		Refuse Collection Vehicle	8,710	-	10.19
Biffa	VU61 HWO		Refuse Collection Vehicle	8,710	-	10.19
Biffa	VU10 HWN		Refuse Collection Vehicle	8,710	-	10.19
Landscape Group	DK57FWF	3500	HGV Tipper	18,256	6,579	17.12
Landscape Group	DX62 FSA	3500	Refuse trucks/road sweepers	2,384	-	2.27
Total				**543,268**	**6,579**	**630.67**

* The distance travelled was unknown for some vehicles as they were operational for less than a year. Using the average annual mileage for the other vehicles, WCC have assumed that the distance travelled in 6 months is approximately 8,710 miles.

Table 23: Data supplied and emissions breakdown for depot-contract van transportation

Cost Centre / Location ID	Registration Plate	Make	Model	Engine cc	Fuel	Travel distance (miles)	Annual litres fuel	tCO_2e
WCC Neighbourhood warden	HN12 OSO	Renault	Kangoo Maxi	1500	Diesel (retail)	6,307	-	2.55
	HN12 CVU	Renault	Kangoo Maxi	1500	Diesel (retail)	7,612	-	3.07
	KM61 YED	Nissan	NV200	1500	Diesel (retail)	2,684	-	1.08
Facilities	KV11 CMU	Nissan	NV200	1500	Diesel (retail)	2,002	-	0.81
Landscape Group	BK61EKB	Ford	Transit Single Cab Tipper	3500	Diesel (retail)	12,051	3,601.03	9.37
Landscape Group	BK61JHE	Ford	Transit Single Cab Tipper	3500	Diesel (retail)	5,200	1,553.84	4.04
Landscape Group	BK61 JFX	Ford	Transit Single Cab Tipper	3500	Diesel (retail)	4,021	1,201.54	3.13
Landscape Group	BK62LVR	Ford	Fiesta Van	1400	Diesel (retail)	3,176	949.04	2.47
Landscape Group	BK62VHA	Ford	Transit Single Cab Tipper	3500	Diesel (retail)	15,524	4,638.82	12.07
Landscape Group	BN61XKW	Ford	Transit Single Cab Tipper	3500	Diesel (retail)	5,508	1,645.88	4.28
Landscape Group	BT61HMV	Ford	Ranger Single Cab XL	3500	Diesel (retail)	2,587	773.04	2.01
Landscape Group	HJ09MGY	Citroen	Berlingo	1600	Diesel (retail)	3,954	1,181.52	3.07
Landscape Group	WX61FWL	Peugeot	Boxer Single Cab Beavertail	3500	Diesel (retail)	3,640	1,087.69	2.83
Landscape Group	WX61FWN	Peugeot	Boxer Single Cab Beavertail	3500	Diesel (retail)	4,795	1,432.82	3.73
Landscape Group	WX61FWO	Peugeot	Boxer Single Cab Beavertail	3500	Diesel (retail)	4,184	1,250.25	3.25
Total						**83,245**	**19,315.47**	**57.78**

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

Site Name	No. of staff	Grid Electricity (kWh)	Electricity Transmission & Distribution (tCO_2e)
Abbey Grounds Store		3,408	0.15
Abbey House		7,263	0.31
Abbey Mill - NEW METER		11	0.00
Abbey Mill - NEW METER		995	0.04
Avalon House - Old Meter		8,780	0.38
Avalon House - New Meter		23,040	1.00
Bank House - Common Area		1,894	0.08
Bowls Pavillion, Gordon Road - NEW METER		1,143	0.05
Car Park - Brooks		661,730	28.60
Car Park Misc - Bar End Park & Ride/St Catherines - NEW METER		38,093	1.65
Car Park Misc - Barfield Close		5,628	0.24
Car Park Misc - Cattle Market CCTV -		1,122	0.05
Car Park Misc - Discovery Centre - NEW METER		0	0.00
Car Park Misc - Gladstone Street - NEW METER		5,704	0.25
Car Park Misc - Lower Lane Hut Bish Walt - NEW METER		569	0.02
Car Park Misc - Middle Brook St - NEW METER		8,584	0.37
Car Park Misc - Middle Brook St Pump - NEW METER		186	0.01
Car Park Misc - 'Old St Catherines Hut' - NEW METER		5,505	0.24
Car Park Misc - Tower Street		249,907	10.80
Car Park Misc - Worthy Lane Att Hut - NEW METER		0	0.00
Car Park Chesil m/s Car Park - Day - NEW METER		157,365	6.80
Car Park Chesil m/s Car Park - Night - NEW METER		52,417	2.27
Car Park - Friarsgate m/s - Day - NEW METER		96,717	4.18
Car Park - Friarsgate m/s - Night - NEW METER		21,878	0.95
Cricket Pavillion - Low - NEW METER		5,129	0.22
Cricket Pavillion - Norm - NEW METER		113	0.00
City Offices Annex		15,807	0.68
City Offices	321	284,915	12.31
Guildhall	62	417,619	18.05
F2 - NEW METER		28,739	1.24

Site Name	No. of staff	Grid Electricity (kWh)	Electricity Transmission & Distribution (tCO_2e)
Footbridge Bishops Waltham - NEW METER		1,441	0.06
Kings Court / West Wing - NEW METER	100	213,970	9.25
Magdalen Hill Cemetry Lodge - NEW METER		3,105	0.13
Market Traders Meter (Brooks)		16,529	0.71
Market Traders Meter (2) - NEW METER		1,192	0.05
Meadowside Leisure Centre		109,191	4.72
Museum - The Sqaure (City Museum)	3	15,463	0.67
Museum - Westgate	2	4,062	0.18
Museum - Westgate		8,008	0.35
8 Middle Brook Street/Office Above Bejams/ Car Parks - NEW METER		12,514	0.54
Public Convenience - Station Road Alresford - NEW METER		4,796	0.21
Public Convenience - Houchin Street, Bishops Waltham - NEW METER		13,779	0.60
Public Convenience - Denmead - Kidmore Lane - NEW METER		3,405	0.15
Public Convenience - Market Street - NEW METER		27,583	1.19
Public Convenience - Worthy Lane - NEW METER		7,969	0.34
Public Convenience - Warwick Way, Wickham - NEW METER		8,003	0.35
Public Convenience - Abbey Grounds Green Box, Ladies & Gents (renovated mens block) - NEW METER		10,199	0.44
Public Convenience - Tower Street - NEW METER		12,929	0.56
Public Convenience - Discovery Centre - NEW METER		4,704	0.20
River Park Leisure Centre		849,163	36.70
River Park Leisure Centre - Tennis Court Flood Lighting		39,471	1.71
Showcases		4,343	0.19
Sports Pavillion Bar End Road 1 - OLD METER		0	0.00
Sports Pavillion Bar End Road 1 - NEW METER		0	0.00
Sports Pavillion 2 Milland Road - Low		1,728	0.07
Sports Pavillion 2 Milland Road - Norm		3,811	0.16
SPORTS PAVILLION BAR END. - NEW METER		1,266	0.05
St Georges Street Lighting - Low		914	0.04

Site Name	No. of staff	Grid Electricity (kWh)	Electricity Transmission & Distribution (tCO_2e)
St Georges Street Lighting - Norm		591	0.03
Weeke Pond - NEW METER		2,310	0.10
Baring Close - NEW METER		1,136	0.05
Beech Grove - NEW METER		609	0.03
Bighton		5,803	0.25
Woodman Close/Church Farm Cottages - NEW METER		2,120	0.09
Couch Green - NEW METER		917	0.04
Couch Green, Martyr Worthy		13,520	0.58
Cricket Close		3,091	0.13
Hazeldene Gardens - NEW METER		1,105	0.05
Hilly Close - NEW METTER		54	0.00
Hobbs Close - NEW METER		14,987	0.65
Hobbs Close Pump House- NEW METER		1,712	0.07
Kiln Lane - NEW METER		3,264	0.14
Long Priors - NEW METER		14,584	0.63
Long Road - NEW METER		12,710	0.55
North Drive - NEW METER		10,469	0.45
Northington Road - NEW METER		26,884	1.16
Old Alresford, Basingstoke Road - NEW METER		349	0.02
Park Lane - NEW METER		27,469	1.19
Pound Lane - NEW METER - Last Read Taken 02/10/2012		497	0.02
Widley Walk, Purbrook - NEW METER		9,308	0.40
St. Andrews Green - NEW METER		363	0.02
The Brook - NEW METER		1,415	0.06
The Brook - NEW METER		1,644	0.07
The Goodens - Peak - NEW METER		34	0.00
The Goodens - Off Peak - NEW METER		156	0.01
The Pastures - NEW METER		270	0.01
The Pastures - NEW METER		1,066	0.05
The Pastures - NEW METER		758	0.03
Trampers Lane, Birch Hill		1,046	0.05

Site Name	No. of staff	Grid Electricity (kWh)	Electricity Transmission & Distribution (tCO_2e)
Trampers Lane, Wine Cross - NEW METER		10,533	0.46
Woodlane Close		1,473	0.06
Woodlane Close		7,506	0.32
Woodlane Close		1,568	0.07
Granville Place - NEW METER		981	0.04
Itchen View - NEW METER		3,158	0.14
Itchen View - Water Treatment Plant - NEW METER		6,308	0.27
Elm Crescent - NEW METER		6,109	0.26
Oak Close - NEW METER		7,516	0.32
Southbrook Place, Rook Lane		8,092	0.35
Railway Cottages, Station Road		2,605	0.11
Hyde Lodge - Basement - Wardens Office	17	14,639	0.63
Hyde Lodge - Ground - Central Control		3,763	0.16
Hyde Lodge - Ground - Central Control - New Meter		7,708	0.33
Hyde Lodge - First/Top - Meeting Rooms & Storage		2,910	0.13
Basepoint		54,814	2.37
Bar End Depot		6,221	0.27
Bar End Depot		36,100	1.56
Kingswalk, Landlords Supply		18,158	0.78
Kingswalk, 2nd & 3rd Floor Office		0	0.00
West Hill Cemetery		604	0.03
Street Lighting		243,000	10.50
Totals	**505**	**4,087,806**	**176.67**

Table 25: Data supplied and emissions breakdown for water usage

Site	Water supplied (m^3)	Tonnes of CO_2e
Guildhall	2,686	2.73
City Offices	1,831	1.86
West Wing	652	0.66
Abbey House	33	0.03
Totals	**5,202**	**5.29**