

Annual Greenhouse Gas Report: 2009 - 2013 revised report

Bedford Borough Council acknowledges the carbon dioxide (CO₂) emissions generated through the delivery of our services and the resulting contribution they make towards climate change.

Acknowledging and understanding the need to do as much possible locally to reduce the effects of climate change; we want to demonstrate leadership by “getting our own house in order” by reducing both our direct and indirect carbon dioxide emissions as efficiently and effectively as possible.

Adopted in March 2011, Bedford Borough Council's Carbon Management Plan sets out a programme of action for the Council to achieve its aspirational 40% carbon reduction target by March 2015. This document can be found at: http://www.bedford.gov.uk/environment_and_planning/sustainability/what_is_the_council_doing/carbon_management_programme.aspx

This report provides an annual overview of carbon emissions from our activities, providing an update on the progress we have made to date. It follows guidance provided by Defra on how to measure and monitor greenhouse gas emissions.

GHG emissions data for period 1 April 2009 to 31 March 2013				
	Global tonnes of CO₂e			
	2009/10	2010/11	2011/12	2012/13
Scope 1	12,613	12,283	10,381	12,869
Scope 2	13,693	14,451	12,416	12,633
Scope 3	651	569	386	440
Out of scopes (biomass)	-	-	22	36
Total gross emissions	26,957	27,303	23,205	25,978
Carbon offsets	0	0	0	0
Green tariff	0	0	0	0
Total net emissions	26,957	27,303	23,205	25,978
Intensity measurement “Tonnes of CO ₂ e per head of population”	0.17	0.17	0.14	0.16

Company Information

Bedford Borough Council is a unitary authority in Bedfordshire.

Registered address: Bedford Borough Council, Borough Hall, Cauldwell Street, Bedford, MK42 9AP

Reporting Period

1st April 2009 to 31st March 2013

Revision of the 2009/10 baseline

DECC have updated and amended the conversion factors used for all scopes for past and future Green House Gas reports. These changes have affected our original 2009/10 baseline as well as the data that followed. We have decided to re-baseline and amend our consumption based on the new conversion factors as well as correct any historical inaccuracies with the data (such as sites that should not have been included in the baseline).

Therefore data for each and every year will appear different to what was originally reported, however, this is now the most accurate account of what the council has used since 2009. The conversion factors used for the reports was June 2012, next year we are expecting to use June 2013.

Approach

We have followed the Governments Guidance published by Defra in June 2012 on how to measure and report greenhouse gas emissions. This is available at:

<https://www.gov.uk/government/publications/environmental-reporting-guidelines-including-mandatory-greenhouse-gas-emissions-reporting-guidance>

The updated emission factors used to produce this Greenhouse report were published by Defra in June 2013 and are available through a web based tool can be found below.

<http://www.ukconversionfactorscarbonsmart.co.uk/>

Organisational Boundary

We have used the Financial Control approach as recommended within the Defra guidance. Further detail on which operations or activities have been included within our organisational boundary for the purposes of compiling this report is provided under 'Operational Scope' below.

Operational Scope

We have measured Scope 1 and 2 emissions for all properties and vehicles we fully own and control. Our reported Scope 1 and 2 emissions also include emissions from those properties that we lease in from others, where we are delivering a service.

In line with previous NI 185 reporting and the baseline within our Carbon Management Plan, we have also measured significant Scope 3 emissions. 2011/12 - 2012/13 are the first years to include Biomass as part of the report.

	GHG emissions 2009-10 in tonnes of CO₂e	GHG emissions 2010-11 in tonnes of CO₂e	GHG emissions 2011-12 in tonnes of CO₂e	GHG emissions 2012-13 in tonnes of CO₂e
<u>Scope 1</u>				
Gas consumption	8,012	7,805	6,697	8,013
Heating oil consumption	1,733	1,851	1,236	2,051
Owned transport	2,859	2,619	2,436	2,789
LPG	9	8	12	16
Process emissions	N/A	N/A	N/A	N/A
Fugitive emissions	N/A	N/A	N/A	N/A
Total Scope 1	12,613	12,283	10,381	12,869
<u>Scope 2</u>				
Purchased electricity	13,693	14,451	12,416	12,633
Total Scope 2	13,693	14,451	12,416	12,633
<u>Significant Scope 3</u>				
Business travel	508	451	256	296
Outsourced activities	143	118	130	144
Employee commuting	-	-	-	-
Waste Disposal	-	-	-	-
Product in use	-	-	-	-
Total Significant Scope 3	651	569	386	440
Out of Scope (biomass)	-	-	22	36

Schools are included within our Scope 1 (gas and oil) and Scope 2 (electricity) emissions. The breakdown of schools emissions against non-schools emissions is illustrated below:

	GHG emissions 2011-12 in tonnes of CO₂e	GHG emissions 2012-13 in tonnes of CO₂e	GHG emissions 2011-12 in tonnes of CO₂e	GHG emissions 2012-13 in tonnes of CO₂e
TOTAL building emissions	23,447	24,115	20,383	22,750
Schools	10,503	11,164	8,974	11,010
All other Council buildings	13,135	12,951	11,409	11,740

Geographic Breakdown

All of our operations and activities are carried out in the UK.

Base Year

Our base year is 1st April 2009 to 31st March 2010.

Targets

Bedford Borough Council has set an aspirational target to reduce its carbon emissions by 40% from its baseline year by March 2015. This target is outlined within the Council's Carbon Management Plan.

Intensity Measurement

Bedford Borough Council exists to deliver services for the people of Bedford Borough and therefore we have used an intensity measurement of "tonnes of CO₂e per head of population" based on mid-year population statistics from National Statistics.

2009 mid year population estimate 154,900

2010 mid year population estimate 158,000

2011 mid year population estimate 160,800

2012 mid year population estimate 157,800

External Assurance Statement

We have not received an independent external assurance over our reported emissions.

Carbon Offsets

We have not purchased any carbon offsets.

For further information please contact:
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