



# CARBON REDUCTION INSTITUTE



## NoCO2 Emissions Report: **Broadreach Services** **9 August 2007**

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## Executive Summary

The Carbon Reduction Institute recently undertook an audit of the greenhouse gas emissions produced from the operations of Broadreach Services. The purpose of this assessment was to determine the amount of greenhouse gases produced from the operations of Broadreach Services with the aim of NoCO2 certification.

The emissions sources included in this study are shown in Table 1.

	<i>Source</i>	<i>Emissions Type</i>
Scope 1	N/A	- N/A
Scope 2	Electricity	- Indirect emissions from the burning of coal and gas at power plants
Scope 3	Waste	- Methane emissions from the decomposition of waste in landfill
	Staff Travel	- Fuel combustion – direct CO <sub>2</sub> e emissions from staff travel - Indirect emissions from electricity for the use of trains and trams
	Expenses	- Embodied Emissions in all expenses
	Business Management Services	- Indirect emissions created to provide these services
	Assets	- Annualised embodied emissions of all assets

**Table 1: Emissions sources studied**

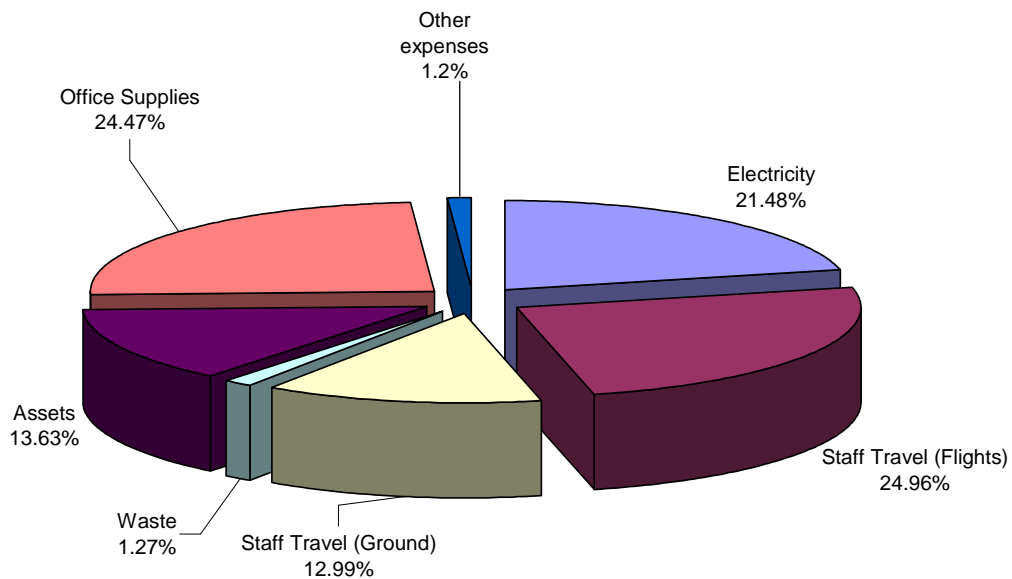
Table 2 and Figure 1 below show a summary of the emissions produced from each source.

From this greenhouse emissions assessment it is concluded that the business operations of Broadreach Services produce the equivalent of 209.5 tonnes of CO<sub>2</sub>e each year.

Scope	Emissions Source	Tonnes CO <sub>2</sub> e/ Year	Percentage
Scope2	Electricity	44.99	21.5%
Scope3	Ground Travel	27.20	13.0%
	Air Travel	52.27	25.0%
	Waste	2.67	1.3%
	Assets	28.56	13.6%
	Office Supplies	51.249	24.5%
	Professional Management Services	0.87	0.4%
	Fees & Subscriptions	0.07	0.03%
	Electronic Services	1.33	0.6%
	Advertising/Printing	0.25	0.1%

**Table 2: Emissions from each source**

**Breakdown of Emissions Sources**



**Figure 1: Breakdown of Emissions Sources**

As shown staff travel, use of office supplies and electricity usage constitute the majority of the emissions produced by Broadreach Services. Staff travel (ground and air combined) contributes a total of 38% of the overall emissions impact, with air travel having the largest contribution to Broadreach Services’ GHG emissions. Due to the variability of the number

of flights taken each year, we require Broadreach Services to continue logging the flights taken by their staff and report these flights to the Carbon Reduction Institute each quarter. The emissions produced by these flights will then be calculated and the corresponding numbers of greenhouse abatement certificates are then surrendered on behalf of Broadreach Services to offset these emissions. The contribution of Broadreach Services' GHG emissions from ground travel, though not large, can be further reduced through increased car pooling or use of public transport. Emissions from the use of electricity and office supplies can be reduced through modifying user behaviour and implementing energy efficiency measures.

Becoming a certified NoCO2 'carbon neutral' business by reducing, then offsetting all the emissions identified in this study with the Carbon Reduction Institute will place Broadreach Services as a climate policy leader within its industry. It shows Broadreach Services is committed to sustainable business practices and will help raise awareness about climate change within Broadreach Services' staff, clients and the general public.