



# CARBON REDUCTION INSTITUTE

A photograph of a white wind turbine is positioned on the left side of a large dark blue rectangular area. The turbine's tower and three blades are visible, extending towards the top right. The background is a solid, deep blue.

NoCO<sub>2</sub> Emissions Report:  
**SACS Consulting**  
**15 August 2007**

Carbon Reduction Institute Pty Ltd 13, 38-46 Albany Street- St Leonards - NSW - 2065  
P: +61 2 9439 9990 - F: +61 2 9439 5550 - W: [www.noco2.com.au](http://www.noco2.com.au) ABN 26 122 969 233

## Executive Summary

The Carbon Reduction Institute recently undertook an audit of the greenhouse gas emissions produced from the operations of SACS Consulting. The purpose of this assessment was to determine the amount of greenhouse gases produced from the operations of SACS Consulting 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**

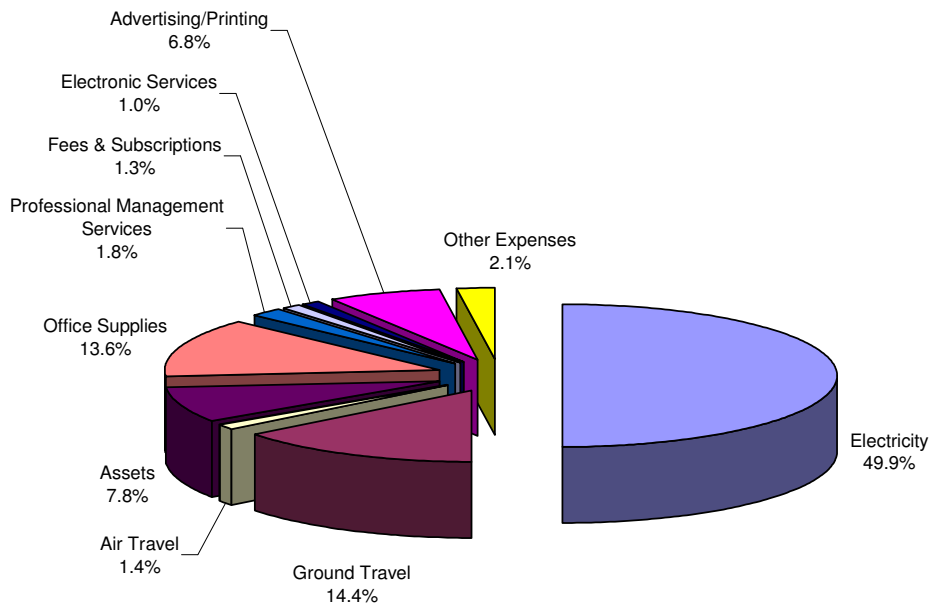
Table 2 and Figure 1 below show a summary of the emissions produced from each source.

From this greenhouse emissions assessment it is concluded that the business operations of SACS Consulting produce the equivalent of tonnes of 97.7 CO<sub>2</sub>e each year.

Scope	Emissions Source	Tonnes CO <sub>2</sub> e/ Year	Percentage
Scope2	Electricity	48.73	49.9%
Scope3	Ground Travel	14.07	14.4%
	Air Travel	1.34	1.4%
	Waste	0.00	0.0%
	Assets	7.64	7.8%
	Office Supplies	13.26	13.6%
	Professional Management Services	1.73	1.8%
	Fees & Subscriptions	1.24	1.3%
	Electronic Services	0.95	1.0%
	Advertising/Printing	6.61	6.8%
	Other Expenses	2.08	2.1%

**Table 2: Emissions from each source**

**Breakdown of Emissions Sources**



**Figure 1: Breakdown of Emissions Sources**

As shown, electricity usage constitutes the majority of the emissions produced by SACS Consulting, accounting for almost half the overall emissions impact. The emissions from

electricity can be minimized by reducing electricity use through modifying user behaviour and implementing energy efficiency measures.

Staff travel (flights and ground travel) is the second largest contributor (16%) of SACS Consulting's GHG emissions, with majority from ground travel. The contribution of SACS Consulting's GHG emissions from ground travel can be reduced through increased car pooling or use of public transport. Air travel was found to contribute only about 1% of the overall emissions impact, with only 2 interstate flights this year. However, due to the variability of the number of flights taken each year, we require SACS Consulting 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 SACS Consulting to offset these emissions.

An interesting observation is that SACS Consulting has reported no wheelie bins being sent to the landfills. Based on this information, waste is found to produce zero GHG emissions. However, as operations evolve, this figure may change and therefore we strongly encourage SACS Consulting to minimize emissions from any future waste disposals by engaging in recycling activities as much as possible.

The "Other Expenses" category includes accommodation, meals and road freight.

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 SACS Consulting as a climate policy leader within its industry. It shows SACS Consulting is committed to sustainable business practices and will help raise awareness about climate change within SACS Consulting's staff, clients and the general public.