

## Executive Summary

This report presents the results of an Opportunities Assessment survey of Bramall Construction located in Rotherham, South Yorkshire carried out by Emtac and provided free of charge by the Carbon Trust<sup>1</sup>.

Bramall Construction specialise in delivering innovative solutions to the refurbishment and new build of the social housing Market. They also have an excellent track record in extra care and are committed to community regeneration. They work throughout Yorkshire, Humberside, East Midlands, North West and are part of the highly successful Keepmoat group.

The management have requested an Opportunities Assessment mainly to uncover low and no cost energy saving initiatives and the agreed objectives of the Assessment were to identify and prioritise up to 10 actions that can be taken by the site to save carbon.

Certain areas have already been addressed by the company with regard to energy efficiency, such as awareness training and shutdown procedures both at the Head Office and at the Site Establishments as part of the Considerate Constructor Scheme, particularly where environmental issues are a concern. As the company only lease one floor of the building housing their Head Office they have little or no input in the building fabric and to some extent the services in the building, therefore the savings envisaged are minimal primarily aimed at the occupants and how they use the building. Similarly the site establishments individually consume very little energy and again savings will be minimal, however collectively moderate savings may be achieved if implemented across all 28 sites.

The tables below summarises the main energy types used at the head office and the construction sites and their relative importance in terms of usage and cost for the period October 2005 - September 2006. All figures are delivered<sup>2</sup> energy and include CCL but are exclusive of VAT.

Table 1: Delivered Energy

Head Office	Purchased Energy		Cost		CO <sub>2</sub> emissions
	kWh/ year	%	£ / year	%	tonnes
Grid Electricity	289,571	56.9%	17,814	75.4%	124.5
Natural Gas	218,654	43.1%	5,804	24.6%	41.5
<b>Total Energy</b>	<b>508,225</b>		<b>23,618</b>		<b>166</b>

Construction Sites	Purchased Energy		Cost		CO <sub>2</sub> emissions
	kWh/ year	%	£ / year	%	tonnes
Grid Electricity	388,568	100%	32,218	100%	167
Natural Gas	N/A		N/A		
<b>Total Energy</b>	<b>388,568</b>		<b>32,218</b>		<b>167</b>

<sup>1</sup> The Carbon Trust helps businesses and public sector organisations cut their energy costs through the provision of fully funded and part funded, professional advice and assistance. Previously known as Action Energy, the programme has helped many organisations save up to 20% of their energy bills, which equates to total UK energy savings of around £800 million a year.

<sup>2</sup> Delivered