



## **Brett Landscaping Sustainability & Responsible Sourcing Data Collation Report**



## Introduction

Brett Landscaping is committed to producing the most sustainable products available within each specific sector of its business and operates to BS EN ISO 9001, BS EN ISO 14001, BS OHSAS 18001 and BRE BES 6001 standards covering quality, environmental, health & safety and responsible sourcing respectively.

The organisation also works closely with its supply chain partners to actively develop and introduce suitable management systems, certified standards and directives to enhance the built environment.

Brett Landscaping is committed to continually improve its effectiveness in these areas and will continue to liaise with stakeholders and set itself meaningful and measurable objectives and targets to achieve this in line with BRE BES 6001 and BS 8902.

The natural environment is the foundation of our business, and Brett Landscaping are committed to protecting it for future generations. We see our responsibility as a balance between supplying products to meet society's needs while respecting and conserving the land.

We will continue to demonstrate our commitment to this through an ethos of supply chain management and product stewardship, together with a commitment to engage with stakeholders that may be affected by the impacts of our products.

The following data has been collated against the Sustainable Construction Forum (SCF) Key Performance Indicators (KPI's) and targets, and is compliant with the requirements of the Building Research Establishment (BRE) Environmental and Sustainability Standard BES 6001 '*Framework Standard for the Responsible Sourcing of Construction Products*'.

*Alan Smith*

**Managing Director  
Brett Landscaping**

Sustainability Principles	Concrete Industry Performance Indicators	Unit of expression	Required link to BES 6001	British Precast 2020 Targets (with 2012 Baseline)	Brett Landscaping Annual Data 2012	Brett Landscaping Annual Data 2013	Target Set	Quantitative	Qualitative	Brett Landscaping Targets to 2015
Environmental Management Systems	<b>1.1</b> % of production sites covered by a 'UKAS' certified EMS (such as ISO14001, EMAS and for SMEs, BS8555)	% of production sites (and absolute number compared to total)	Management systems (section 3.3.2 of BES 6001)	Increasing the tonnage, as well as production sites, covered by an EMS (e.g. ISO 14001) to 95%	100%	100%	Y	Y	N/A	Maintain % of production sites covered by a UKAS certified EMS at 100%
Waste minimisation	<b>1.2a</b> kg of waste to landfill as a proportion of production output (supplemented by 3.1a-d)	kg per tonne	Waste Management (section 3.4.4 of BES 6001)	Reducing overall factory waste by 10% & Reducing factory waste to landfill to < 0.5 kg/ tonne	0.64kg/tonne	0.37kg/tonne	Y	Y	N/A	Reduce kg/tonne of waste to landfill by 10% from 2012 levels by 2015
Waste minimisation	<b>1.2b</b> Net waste ratio. Ratio of 'total waste product usage' to 'waste to landfill'	Ratio	Waste Management (section 3.4.4 of BES 6001)	-	62:1	112:1	Y	Y	N/A	No Target
Emissions (excluding CO <sub>2</sub> )	<b>1.3</b> Number of convictions for air and water emissions per annum	Number per annum	Local communities (section 3.4.9 of BES 6001)	Reducing the convictions for air and water emissions to zero	0	0	Y	Y	N/A	Maintain zero convictions for air and water emissions
Stakeholder Engagement	<b>1.4</b> Stakeholder engagement. <i>No Indicator – performance to be covered qualitatively</i>	n/a	Social Requirements (section 3.4.1 of BES 6001)	-	-	-	N/A	N/A	N/A	No Target
Quality & Performance	<b>1.5</b> % of production sites covered by a 'UKAS' certified 9001 quality management system	% of production sites (and absolute number compared to total)	Management systems (section 3.2 of BES 6001)	Increasing the tonnage, as well as production sites, covered by a quality system (e.g. ISO 9001) to 95%.	100%	100%	Y	Y	N/A	Maintain % of production sites certified to BS EN ISO 9001 at 100%
Responsible Sourcing	<b>1.6</b> % of reported production certified to BES 6001	% of reported production tonnes Certified to BES 6001	Management systems (section 3.2 of BES 6001)	Increasing the tonnage, as well as production sites, covered by a Responsible Sourcing standard (e.g. BES 6001) to 95%	100% (V Good)	100% (V Good)	Y	Y	N/A	Maintain % of production tonnes certified to BES 6001 at 100%

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Energy	2.1 Energy used in production as a proportion of production output	kWh per tonne	Greenhouse gas Emissions (section 3.4.2 of BES 6001)	Reducing overall kWh/tonne of energy used in production by 10%	33.24kWh/tonne	31.69kWh/tonne	Y	Y	N/A	Reduce kWh/tonne emissions from production by 10% from 2012 levels by 2015
CO <sub>2</sub> Emissions (Production)	2.2 CO <sub>2</sub> emissions as a proportion of production output	kgCO <sub>2</sub> per tonne	Greenhouse Gas Emissions (section 3.4.2 of BES 6001)	Reducing CO <sub>2</sub> emissions for production by 20% <small>Note: Wider UK Government target is 80% reduction by 2050 based on 1990 levels. Recent carbon budget has target of 34% by 2020 based on 1990 levels</small>	11.89kgCO <sub>2</sub> /tonne	12.04kgCO <sub>2</sub> /tonne	Y	Y	N/A	Reduce kgCO <sub>2</sub> /tonne emissions from production by 10% from 2012 levels by 2015
CO <sub>2</sub> Emissions (Transport)	2.3a Average delivery distance travelled per tonne (from factory gate to customer)	km per tonne	Transport Impacts (section 3.4.7 of BES 6001)	No BPCF Target  Note: Wider UK Government target is 80% reduction by 2050 based on 1990 levels. Recent carbon budget has target of 34% by 2020 based on 1990 levels	7.88km/tonne (0.36km/tonne as part of a 22.14 tonne load)	8.97km/tonne (0.45km/tonne as part of a 19.64 tonne load)	Linked to 2.3d	N/A	N/A	Linked to 2.3d
	2.3b Tonnes moved split by three modes: road, rail, inland barge	Tonnes moved by each mode	Transport Impacts (section 3.4.7 of BES 6001)		397169 tonnes (100% Road)	434419 tonnes (100% Road)	Linked to 2.3d	N/A	N/A	Linked to 2.3d
	2.3c Average load for each mode	Tonnes per load	Transport Impacts (section 3.4.7 of BES 6001)		22.14 tonnes	19.64 tonnes	Linked to 2.3d	N/A	N/A	Linked to 2.3d
	2.3d CO <sub>2</sub> emissions as a proportion of production output	kgCO <sub>2</sub> per tonne	Transport Impacts (section 3.4.7 of BES 6001)		7.09kgCO <sub>2</sub> /tonne (0.32kgCO <sub>2</sub> /tonne as part of a 19.64 tonne load)	8.06kgCO <sub>2</sub> /tonne (0.41kgCO <sub>2</sub> /tonne as part of a 19.64 tonne load)	Y	Y	N/A	5% reduction from 2012 figures by 2015

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Materials Efficiency	3.1b % of additional cementitious materials (GGBS, fly ash etc.) as a proportion of total cementitious materials used	%	Resource Use & Waste Management (sections 3.4.3 & 3.4.4 of BES 6001)	Increasing the proportion of alternative cement additions (as a % of total cement) to 25%	28.82%	27.75%	Y	Y	N/A	Maintain proportion of cement additions at 2012 level from 2012 to 2015
	3.1c Recycled/secondary aggregates as a proportion of total aggregates used	%	Resource Use & Waste Management (sections 3.4.3 & 3.4.4 of BES 6001)	Increasing the proportion of recycled/ secondary aggregates (as a % of total aggregates) to 25%	0%	0%	Y	N/A	Y	Examine/assess the optimum recycled/secondary aggregate use as a proportion of total aggregate use based upon independent LCA reports
Water	3.2a Mains water use as a proportion of production output	Litres per tonne	Water Extraction (section 3.4.5 of BES 6001)	Reducing mains water consumption by 20%	85.36Litres/tonne	117.71Litres/tonne	Y	Y	N/A	Maintain optimum level of overall water usage whilst reducing main water usage by 5% (and increasing groundwater usage accordingly) from 2012 figures by 2015
	3.2b Controlled groundwater use as a proportion of production output	Litres per tonne	Water Extraction (section 3.4.5 of BES 6001)		0Litres/tonne	0.26Litres/tonne	Y	Y	N/A	Maintain optimum level of overall water usage whilst reducing main water usage by 5% (and increasing groundwater usage accordingly) from 2012 figures by 2015
Site Stewardship	3.3 % of relevant production sites that have site specific action plans	% of relevant production sites (and absolute number compared to total)	Additional to BES 6001	-	100%	100%	N	N/A	N/A	Maintain at 100%

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Health & Safety	<p><b>4.1a</b> Reportable Injuries per 100,000 direct employees</p> <p><b>4.1b</b> Lost time injuries for 'direct employees' per 1 million hours worked</p>	<p>Number of reportable injuries per 100,00 direct employees And absolute number per annum</p> <p>Number of LTI's per 1 million hours worked for direct employees and absolute number per annum</p>	<p><b>Management systems (section 3.3.3 of BES 6001)</b></p>	<p>Reduction in accident frequency of 50% between 2015 and 2020</p>	<p><b>1</b> <b>(492/100,000 employees)</b></p>	<p><b>0</b></p>	<p>Y</p>	<p>Y</p>	<p>N/A</p>	<p>Overarching Zero harm expectation, and reduce actual figures by 10% per year to 2015</p>
	<p>-</p>	<p><b>3 (actual) - 6.97</b> <b>LTI/1 million hours</b></p>								
Employment & Skills	<p><b>4.2a</b> % of employees covered by UKAS certified ISO9001/ISO 14001/OHSAS 18001 systems (Training &amp; competence sections)</p>	<p>% of employees covered by UKAS ISO 9001/14001 or OHSAS 18001 systems</p>	<p><b>Employment &amp; Skills (section 3.4.8 of BES 6001)</b></p>	<p>Increasing the % of employees covered by a certified management system (e.g. ISO 9001/ISO 14001/OHSAS 18001) to 100%</p> <p>Increasing the % of employees covered by MPA Safer by competence training and qualifications to 100%</p>	<p><b>100%</b></p>	<p><b>100%</b></p>	<p>Y</p>	<p>Y</p>	<p>N/A</p>	<p>Maintain % of relevant employees covered by UKAS certified ISO9001/ ISO14001 &amp; OHSAS 18001 at 100%</p>
	<p><b>4.2b</b> % of employees covered by environmental and H&amp;S management systems following the principles of BS EN 14001 or OHSAS 18001</p>	<p>% of employees covered by BS EN ISO 14001 or OHSAS 18001 systems</p>		<p>Increasing the % of employees covered by MPA Safer by competence training and qualifications to 100%</p>	<p><b>100%</b></p>	<p><b>100%</b></p>				
Local Community	<p><b>4.3</b> % of relevant production sites with community liaison activities (supplemented by 1.3)</p>	<p>% of relevant production sites (and absolute number compared to total)</p>	<p><b>Local Communities (section 3.4.9 of BES 6001)</b></p>	<p>Maintaining the % of relevant production sites that have community liaison activities at 100%</p>	<p><b>100%</b></p>	<p><b>100%</b></p>	<p>Y</p>	<p>Y</p>	<p>N/A</p>	<p>Maintain % of relevant production sites that have community liaison activities at 100%</p>

**Additional constituent material transportation analysis:**

Sustainability Principles	Constituent material transportation analysis	Unit of expression	Required link to Responsible Sourcing BES 6001	Related Gov't Targets (No BPCF Targets)	Brett Landscaping Annual Data 2013
<b>Transport Distances of Constituent Materials</b>	Delivery distance travelled per tonne of traceable constituent material relative to proportionate usage (from source to Brett)	km travelled per constituent tonne supplied	<b>Transport Impacts (section 3.4.7 of BES 6001)</b>	UK Government target is 80% reduction by 2050 based on 1990 levels. Recent carbon budget has target of 34% by 2020 based on 1990 levels	<b>2.45km per constituent tonne (return journey)</b>
	Method of transportation split by modes	% moved by each mode	<b>Transport Impacts (section 3.4.7 of BES 6001)</b>		<b>45.71% (Conveyor) 41.30% (Road) 3.49% (Sea) 9.50% (Rail)</b>
	Average load for each mode	Tonnes per load by mode	<b>Transport Impacts (section 3.4.7 of BES 6001)</b>		<b>N/A (Conveyor) 30 Tonnes (Road) 4000 Tonnes (Sea) 1040 Tonnes (Rail)</b>

**Overall summary notes:**

Brett Landscaping has adopted the objectives and targets detailed above. Where organisation data indicates that the industry (trade association) target has been met, whilst it is desirable to surpass the aforementioned target, the requirements in terms of BES 6001 have been achieved. Revised 'organisational' targets will be discussed within the management review meetings to determine the scope for further improvement.

KPI 2.3d relates to the transportation of the product 'Precast concrete' from the production facility to site, and the associated return journey, linked to KPI's 2.3a-c.

Revisions to published 2012 data have been made as a result of changes in reporting requirements, in order to maintain continuity and enable 'like-for-like' comparison and measurement of improvement.

Constituent transport is monitored, with an over-arching desire to reduce the km travelled, and to utilise the most fuel efficient mode of transportation.. However, no specific targets are set or required by BES 6001.

For 'Brett Transport' from gate to client, for road transportation, the Defra conversion factor 0.89883kgCO2/km has been used (Table 7d 2011 as an overall average figure combining various truck modes & sizes).

The term 'UKAS' refers to a certificate issued by a UKAS accredited certification body.