



Brett Landscaping Sustainability & Responsible Sourcing Data Collation Report – 2010 (Incorporating 2009 data for comparison)

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*.

Brett Landscaping Environmental, Sustainability & Responsible Sourcing Annual Data Summary and Targets

Sustainability Principles	Concrete Industry Performance Indicators	Unit of expression	Required link to Responsible Sourcing BES6001 & BS8902	Related Gov't Targets - 2008 Sustainable Construction Strategy	Brett Landscaping 2009 Annual Data	Brett Landscaping 2010 Annual Data	Target Set	Quantitative	Qualitative	Agreed BPCF target or organisation specific where stated
Environmental Management Systems	1.1 % 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)	25% of products used in construction projects to be from schemes recognised for responsible sourcing (by 2012)	75%	100%	Y	Y	N/A	Increase % of production sites covered by a UKAS certified EMS to 85% by 2012
Waste minimisation	1.2 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)	* By 2012, a 50% reduction of construction, demolition and excavation waste to landfill compared to 2008 * 20% reduction in construction packaging waste (by 2012) * Construction Waste Commitment: individual organisations commit to waste to landfill targets at company level * Sector resource efficiency plans prepared and implemented by trade associations * Future work in this area includes "improving take back or exchange opportunities for unwanted and waste materials"	1.00kg/tonne	0.65kg/tonne	Y	Y	N/A	Reduce kg/tonne of waste to landfill by 10% from 2008 levels by 2012
Emissions (excluding CO ₂)	1.3 Number of convictions for air and water emissions per annum	Number per annum	Local communities (section 3.4.9 of BES 6001)		0	0	Y	Y	N/A	Reducing convictions for air and water emissions per annum to Zero by 2012
Stakeholder Engagement	1.4 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	N/A	N/A	No Target
Quality & Performance	1.5 % 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)	Multiple actions for "innovation" linked to the overarching target to "enhance the industry's capacity to innovate and increase the sustainability of both the construction process and it's resultant assets"	75%	100%	Y	Y	N/A	Increase % of production sites covered by UKAS certified QMS to 85% by 2012
Responsible Sourcing	1.6 % of reported production certified to BES 6001	% of reported production tonnes Certified to BES 6001	Management systems (section 3.2 of BES 6001)	Multiple actions for "innovation" linked to the overarching target to "enhance the industry's capacity to innovate and increase the sustainability of both the construction process and it's resultant assets"	0%	100%	Y	Y	N/A	Increase % of production tonnes certified to BES 6011 to 100% by 2012

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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)		27.17 kWh/tonne	30.59	Y	Y	N/A	Reduce kWh/tonne emissions from production by 10% from 2008 levels by 2012 - (Linked to 2.3d)
CO ₂ Emissions (Production)	2.2 CO ₂ emissions as a proportion of production output	kg CO ₂ per tonne	Greenhouse Gas Emissions (section 3.4.2 of BES 6001)	15% reduction in carbon emissions from construction processes and associated transport compared to 2008 levels. 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	11.71 kgCO ₂ /tonne	12.20	Y	Y	N/A	Reduce CO ₂ /tonne emissions from production by 10% from 2008 levels by 2012 - (Linked to 2.3d)
CO ₂ 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 BES6001)	15% reduction in carbon emissions from construction processes and associated transport compared to 2008 levels. 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	7.24 km/tonne (return journey) or (0.38 km per tonne within a 18.88 tonne delivery)	6.10 km/tonne (return journey) or (0.23 km per tonne within a 27.06 delivery)	Linked to 2.3d	N/A	N/A	Organisation specific 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 BES6001)		100% Road (379031.04 tonnes)	100% Road (445738 tonnes)	Linked to 2.3d	N/A	N/A	Organisation specific linked to 2.3d
	2.3c Average load for each mode	Tonnes per load	Transport Impacts (section 3.4.7 of BES6001)		18.88 tonnes/load (100% Road)	27.06 tonnes/load (100% Road)	Linked to 2.3d	N/A	N/A	Organisation specific linked to 2.3d
	2.3d CO ₂ emissions as a proportion of production output	kgCO ₂ per tonne	Transport Impacts (section 3.4.7 of BES6001)		6.48 KgCO ₂ /tonne (return journey) or (0.34 KgCO ₂ per tonne within a 18.88 tonne delivery)	5.47 KgCO ₂ /tonne (return journey) or 0.20 KgCO ₂ per tonne within a 27.06 tonne delivery)	Y	Y	N/A	Organisation specific 5% reduction from 2009 figures by 2012

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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)	*By 2012, a 50% reduction of construction, demolition and excavation waste to landfill compared to 2008 *20% reduction in construction packaging waste (by 2012) * Construction Waste Commitment: individual organisations commit to waste to landfill targets at company level	25.46%	31.42%	Y	Y	N/A	Increase proportion of cement additions to 25% by 2012
	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)	*Sector resource efficiency plans prepared and implemented by trade associations	0.069%	0.40%	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)	Water usage in the manufacturing and construction phase reduced by 20% compared to 2008 usage (by 2012)	47.78 litres/tonne	54.55 litres/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 2009 figures by 2012
	3.2b Controlled groundwater use as a proportion of production output	Litres per tonne	Water Extraction (section 3.4.5 of BES 6001)		7.38 litres/tonne	0 litres/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 2009 figures by 2012
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	Company specific target to maintain at 100%

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Health & Safety	<p>4.1 Lost time injuries for 'direct employees' per 1 million hours worked</p> <p>Or BPCF specific:</p> <p>Reportable Injuries per 100,000 direct employees</p>	<p>Number per 1 million hours worked and absolute number per annum</p> <p>or</p> <p>Number of reportable injuries per 100,00 direct employees</p>	Management systems (section 3.3.3 of BES 6001)	<p>*Reduce the incidence rate of fatal and major injury accidents by 10% year on year from 2000 levels (by 2010)</p> <p>*Reduce the incidence rate of cases of work-related ill health by 20% from 2000 levels (by 2010)</p> <p>*10% reduction year on year in the incidence rate of fatal and major injuries from 2010 levels (by 2012)</p> <p>*50% increase in projects offering a route to occupational health support from 2008 level (by 2012)</p> <p>*30% increase from 2007 level of micro-SMEs and SMEs taking up H&S training and education at an organisational level</p>	<p>1 actual (231 employees)</p> <p>432.9/100,000 employees</p>	<p>5 actual (231 employees)</p> <p>2164/100,000 employees</p>	Y	Y	N/A	Overarching Zero harm expectation, and reduce injuries per 100,000 direct employees by 10% per year to 2012
Employment & Skills	<p>4.2a % of employees covered by UKAS certified ISO9001/ISO 14001/ OHSAS 18001 systems (Training & Competence sections)</p>	% of employees covered by UKAS ISO 9001/14001 or OHSAS 18001 systems	Employment & Skills (section 3.4.8 of BES 6001)	<p>*Development of sector specific Skills Pledge and Action Plan for driving a training culture in the building products sector (Proskills - Aug 2008)</p> <p>*Net increase of 230,000 qualified people recruited and trained in the industry compared with 2006 (by 2010) - increasing to 260,000 by 2012</p> <p>*To achieve 13,500 apprenticeship completions in England, Wales and Scotland by 2010 and to increase this to 18,700 a year by 2012</p> <p>* Promotion of the value of CPD, and facilitating access to suitable developmental training on sustainability aspects</p>	75% Linked to KPI 1.4	100% Linked to KPI 1.4	Y	Y	N/A	Increase % of relevant employees covered by UKAS certified ISO9001/ISO14001/OHSAS18001 (Training & competence sections) to 85% by 2012
	<p>4.2b % of employees covered by environmental and H&S management systems following the principles of BS EN 14001 or OHSAS 18001</p>	% of employees covered by BS EN ISO 14001 or OHSAS 18001 systems	Employment & Skills (section 3.4.8 of BES 6001)	As above, but additionally to operate a 'HSE compliant' fully competent workforce by 2010	100%	100%	Y	Y	N/A	Maintain % of employees covered by BS EN ISO 14001/OHSAS18001 management systems at 100%
Local Community	<p>4.3 % of relevant production sites with community liaison activities (supplemented by 1.3)</p>	% of relevant production sites (and absolute number compared to total)	Local Communities (section 3.4.9 of BES 6001)		100%	100%	Y	Y	N/A	Maintain % of relevant production sites that have community liaison activities at 100%

Additional constituent material transportation analysis:

Sustainability Principles	Constituent material transportation analysis	Unit of expression	Required link to Responsible Sourcing BES6001 & BS8902	Related Gov't Targets - 2008 Sustainable Construction Strategy	Brett Landscaping 2009 Annual Data	Brett Landscaping 2010 Annual Data
CO ₂ Emissions (Transport)	Delivery distance travelled per tonne of traceable constituent material relative to proportionate usage (from source to Brett)	km travelled per constituent tonne supplied	Transport Impacts (section 3.4.7 of BES 6001)	15% reduction in carbon emissions from construction processes and associated transport compared to 2008 levels. 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	2.13 Km travelled per constituent tonne supplied	
	Method of transportation split by modes	% moved by each mode	Transport Impacts (section 3.4.7 of BES 6001)		Conveyor – 54.7% (moved 0.16 Km) Road – 41.4% Sea – 3.9%	
	Average load for each mode	Tonnes per load by mode	Transport Impacts (section 3.4.7 of BES 6001)		Conveyor – N/A Road – 30 tonne/load Sea – 4000 tonne/load	

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 2.3a-c.

Revisions to 2009 data have been made as a result of changes in reporting requirements to the SCF PI Guidance document version 5 (pertaining to 2010 data) in order to maintain continuity and enable 'like-for-like' comparison and measurement of improvement, together with retrospective analysis of 2009 data based upon improved data collation/analysis procedures developed during 2010.