











Building Energy Performance		Scotland
Energy Performance Certificate	Calculated asset rating using iSBEM v3.4.b [SBEM]	Building type Community/day centre
	<b>Current rating</b>	
	<b>Excellent</b>	
		<b>Carbon Neutral</b>
		<b>A (0 to 15)</b>
		<b>B (16 to 30)</b>
		<b>C (31 to 45)</b>
	<b>D (46 to 60)</b>	
	<b>E (61 to 80)</b>	
	<b>F (81 to 100)</b>	
	<b>G (100+)</b>	
<b>Carbon Dioxide Emissions</b>		<b>G Very Poor</b>
The number refers to the calculated carbon dioxide emissions in terms of kg per m <sup>2</sup> of floor area per year		<b>108</b>
Approximate current energy use per m <sup>2</sup> of floor area:		<b>506 kWh/m<sup>2</sup></b>
Main heating fuel: Natural Gas		Building Services: Heating with Nat. Vent.
Renewable energy source:		Electricity: Grid supplied
<b>Carbon Dioxide is a greenhouse gas which contributes to climate change. Less Carbon Dioxide emissions from buildings helps the environment.</b>		
<b>Benchmarks</b>		
A building of this type built to building regulations standards current at the date of issue of this certificate would have a rating:		<b>30</b>  <b>B</b>
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:		<b>54</b>  <b>D</b>
<b>Recommendations for the cost-effective improvement (lower cost measures) of the energy performance</b>		
<p>1. Install Occupancy controls. Payback dependent on usage.</p> <p>2. Replace tungsten GLS lamps with CFLs: Payback period dependent on hours of use.</p> <p>3. Some spaces have a significant risk of overheating. Consider solar control measures such as the application of reflective coating or shading devices to windows.</p> <p>4. Consider replacing heating boiler plant with high efficiency type.</p> <p>5. Consider replacing T8 lamps with retrofit T5 conversion kit.</p> <p>6. Add weather compensation controls to heating system.</p>		

**Address:** Burnside Day Centre, Mastrick Drive, Mastrick, Aberdeen, AB16 6UE

**Conditioned area (m<sup>2</sup>):** 1435

**Name of protocol organisation:** BRE Global, [BRE-ND-EPC00535]

**Date of issue of certificate:** 16 Sep 2010 (Valid for a period not exceeding 10 years)

This certificate is a requirement of EU Directive 2002/91/EC on the energy performance of buildings.

**NB THIS CERTIFICATE MUST BE AFFIXED TO THE BUILDING AND NOT REMOVED UNLESS REPLACED WITH AN UPDATED VERSION AND FOR PUBLIC BUILDINGS DISPLAYED IN A PROMINENT PLACE**