











Building Energy Performance		Scotland		
<b>Energy Performance Certificate</b>	Calculated asset rating using Carbon Checker v1.5 [SBEM]	Building type Further education universities		
	<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> The number refers to the calculated carbon dioxide emissions in terms of kg per m <sup>2</sup> of floor area per year		<b>83</b>		
Approximate current energy use per m <sup>2</sup> of floor area:		<b>366 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>25</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>65</b>  <b>E+</b>		
<b>Recommendations for the cost-effective improvement (lower cost measures) of the energy performance</b>				
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>1. Consider replacing T8 lamps with retrofit T5 conversion kit.</p> <p>2. Some walls have uninsulated cavities - introduce cavity wall insulation.</p> <p>3. Some windows have high U-values - consider installing secondary glazing.</p> </td> <td style="width: 50%; vertical-align: top;"> <p>4. 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>5. Install more efficient water heater.</p> <p>6. Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.</p> </td> </tr> </table>			<p>1. Consider replacing T8 lamps with retrofit T5 conversion kit.</p> <p>2. Some walls have uninsulated cavities - introduce cavity wall insulation.</p> <p>3. Some windows have high U-values - consider installing secondary glazing.</p>	<p>4. 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>5. Install more efficient water heater.</p> <p>6. Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.</p>
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**Address:** Perth College (Brahan Building), Crieff Road, Perth, PH1 2NX

**Conditioned area (m<sup>2</sup>):** 13091

**Name of protocol organisation:** BRE Global, [BRE-ND-EPC0043]

**Date of issue of certificate:** 22 Feb 2011 (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**