

Building Energy Performance		Scotland		
Energy Performance Certificate	Calculated asset rating using DesignBuilder v.1.6.9.003 [SBEM]	Building type Secondary school		
	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> </div> <div style="width: 60%;"> <p style="text-align: center;">Carbon Neutral</p> <p>A (0 to 15)</p> <p>B (16 to 30)</p> <p>C (31 to 45)</p> <p>D (46 to 60)</p> <p>E (61 to 80)</p> <p>F (81 to 100)</p> <p>G (100+)</p> </div> </div>			
	Excellent			
	E+			
	Very Poor			
	Carbon Dioxide Emissions			
	The number refers to the calculated carbon dioxide emissions in terms of kg per m ² of floor area per year			
	63			
Approximate current energy use per m ² of floor area:				
253 kWh/m²				
Main heating fuel: Natural Gas		Building Services: Heating with Nat. Vent.		
Renewable energy source:		Electricity: Grid supplied		
<p>Carbon Dioxide is a greenhouse gas which contributes to climate change.</p> <p>Less Carbon Dioxide emissions from buildings helps the environment.</p>				
Benchmarks				
A building of this type built to building regulations standards current at the date of issue of this certificate would have a rating:		33 C+		
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:		59 D		
Recommendations for the cost-effective improvement (lower cost measures) of the energy performance				
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>1. Some windows have high U-values - consider installing secondary glazing.</p> <p>2. Some glazing is poorly insulated. Replace/improve glazing and/or frames.</p> <p>3. Consider installing building mounted wind turbine(s).</p> </td> <td style="width: 50%; vertical-align: top;"> <p>4. Consider replacing T8 lamps with retrofit T5 conversion kit.</p> <p>5. 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>6. Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.</p> </td> </tr> </table>			<p>1. Some windows have high U-values - consider installing secondary glazing.</p> <p>2. Some glazing is poorly insulated. Replace/improve glazing and/or frames.</p> <p>3. Consider installing building mounted wind turbine(s).</p>	<p>4. Consider replacing T8 lamps with retrofit T5 conversion kit.</p> <p>5. 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>6. Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.</p>
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Address: St Machars Academy Secondary Building, Aberdeen

Conditioned area (m²): 3194

Name of protocol organisation: CIBSE Certification Limited, [RICS 184761]

Date of issue of certificate: 31 Oct 2008 (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