

Building Energy Performance		Scotland
Energy Performance Certificate	Calculated asset rating using IES <VE> 5.9.0.2 [ApacheSim]	Building type Further education universities
	Carbon Neutral	
	A (0 to 15)	
	B (16 to 30)	
	C (31 to 45)	
	D (46 to 60)	
E (61 to 80)		
F (81 to 100)		
G (100+)		
		Excellent
		B
		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		28
Approximate current energy use per m ² of floor area:		111 kWh/m²
Main heating fuel: Natural Gas		Building Services: Heating with Nat. Vent.
Renewable energy source:		Electricity: Grid supplied
Carbon Dioxide is a greenhouse gas which contributes to climate change. Less Carbon Dioxide emissions from buildings helps the environment.		
Benchmarks		
A building of this type built to building regulations standards current at the date of issue of this certificate would have a rating:		18 B+
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:		0 Carbon Neutral
Recommendations for the cost-effective improvement (lower cost measures) of the energy performance		
<p>1. Consider installation of a biomass boiler system to cover 70% of the annual space heating and DHW demand</p> <p>2. Consider upgrading glazing to achieve a U-value less than 1.8 W/m².K when it approaches the end of it's useful life</p> <p>3. Pressure test the building and undertake remedial measures to improve air tightness to 10m³/h/m² @ 50Pa or less</p> <p>4. Add local time control to heating system.</p> <p>5. Add optimum start/stop to the heating system.</p> <p>6. Improve insulation on HWS storage.</p>		

Address: 1200 Westerhouse Road, (Part L2, Part F only), (Part L2, Part F only),
Conditioned area (m²): 5151.858
Name of protocol organisation: CIBSE Certification Ltd, [LCEA014870]
Date of issue of certificate: 14 Jan 2009 (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