


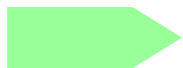








Building Energy Performance		Scotland
Energy Performance Certificate	Calculated asset rating using iSBEM v3.4.a [SBEM]	Building type Office
	<b>Current rating</b>	
	<b>Excellent</b>	
		<b>Carbon Neutral</b>
		<b>A (0 to 15)</b>
		<b>B (16 to 30)</b>
		<b>C (31 to 45)</b>
		<b>D (46 to 60)</b>
	<b>E (61 to 80)</b>	
	<b>F (81 to 100)</b>	
	<b>G (100+)</b>	
<b>Very Poor</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>64</b>
Approximate current energy use per m <sup>2</sup> of floor area:		<b>152 kWh/m<sup>2</sup></b>
Main heating fuel: Grid Supplied Electricity		Building Services: Mixed-mode with Mech. 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>36</b>  <b>C+</b>
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:		<b>50</b>  <b>D+</b>
<b>Recommendations for the cost-effective improvement (lower cost measures) of the energy performance</b>		
1. Photoelectric controls	4. The default heat generator efficiency is chosen. It is recommended that the heat generator system be investigated to gain an understanding of its efficiency and possible improvements.	
2. Building Energy Manager	5. Install more efficient water heater.	
3. Occupancy controls	6. Consider installing building mounted wind turbine(s).	

**Address:** Balgownie 1, Aberdeen Exhibition & Conference Centre, Conference Way, 3834  
**Conditioned area (m<sup>2</sup>):** 3834  
**Name of protocol organisation:** BRE Global, [BRE-ND-EPC00113]  
**Date of issue of certificate:** 23 Feb 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**