











Building Energy Performance		Scotland
Energy Performance Certificate	Calculated asset rating using iSBEM v3.5.a [SBEM]	Building type Sports centre/leisure centre
	<b>Carbon Neutral</b>	
	<b>Excellent</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>Current rating</b>		 <b>E+</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>66</b>
Approximate current energy use per m <sup>2</sup> of floor area:		<b>184 kWh/m<sup>2</sup></b>
Main heating fuel: Natural Gas		Building Services: Heating 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>94</b>  <b>F</b>
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:		<b>59</b>  <b>D</b>
<b>Recommendations for the cost-effective improvement (lower cost measures) of the energy performance</b>		
1. Consider installing PIR sensors.	4. Consider replacing T8 lamps with retrofit T5 conversion kit.	
2. Consider installing occupancy sensors.	5. Consider installing building mounted wind turbine(s).	
3. Improve insulation on HWS storage.	6. Consider installing solar water heating.	

**Address:** Beach Leisure Centre, Beach Promenade, Aberdeen, AB24 5NR

**Conditioned area (m<sup>2</sup>):** 6612

**Name of protocol organisation:** BRE Global, [BRE-ND-EPC00492]

**Date of issue of certificate:** 26 May 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**