











Building Energy Performance		Scotland						
Energy Performance Certificate	Calculated asset rating using iSBEM v3.4.a [SBEM]	Building type Sports centre/leisure centre						
	<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>		<b>G</b> Very Poor						
The number refers to the calculated carbon dioxide emissions in terms of kg per m <sup>2</sup> of floor area per year		<b>133</b>						
Approximate current energy use per m <sup>2</sup> of floor area:		<b>582 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>93</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>112</b>  <b>G</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%;">1. Install more efficient water heater.</td> <td style="width: 50%;">4. Add local temperature control to the heating system.</td> </tr> <tr> <td>2. Consider replacing T8 lamps with retrofit T5 conversion kit.</td> <td>5. Add weather compensation controls to heating system.</td> </tr> <tr> <td>3. Consider replacing heating boiler plant with high efficiency type.</td> <td>6. Add local time control to heating system.</td> </tr> </table>			1. Install more efficient water heater.	4. Add local temperature control to the heating system.	2. Consider replacing T8 lamps with retrofit T5 conversion kit.	5. Add weather compensation controls to heating system.	3. Consider replacing heating boiler plant with high efficiency type.	6. Add local time control to heating system.
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**Address:** Alex Collie Sports Centre, Cardens Knowe, Westfield Park, Aberdeen, AB15 44

**Conditioned area (m<sup>2</sup>):** 1544

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

**Date of issue of certificate:** 16 Mar 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**