











Building Energy Performance		Scotland						
Energy Performance Certificate	Calculated asset rating using iSBEM v4.1.c [SBEM]	Building type General Assembly and Leisure, Night Clubs and Theatres						
	<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>F+</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>Very Poor</b>						
Approximate current energy use per m <sup>2</sup> of floor area:		<b>81</b>						
Main heating fuel: Natural Gas		<b>254 kWh/m<sup>2</sup></b>						
Renewable energy source: None								
Building Services: Heating with Nat. Vent.								
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>19</b>  <b>B+</b>						
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:		<b>55</b>  <b>D</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. Appoint member of staff as Energy Manager.</td> <td style="width: 50%;">4. Replace tungsten GLS lamps with CFLs: Payback period dependent on hours of use.</td> </tr> <tr> <td>2. Remove Electric Panel Convactor heaters in Childrens Theatre block and link in to existing heating system.</td> <td>5. Consider replacing T8 lamps with retrofit T5 conversion kit.</td> </tr> <tr> <td>3. Install "Occupancy controls" to lighting.</td> <td>6. Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.</td> </tr> </table>			1. Appoint member of staff as Energy Manager.	4. Replace tungsten GLS lamps with CFLs: Payback period dependent on hours of use.	2. Remove Electric Panel Convactor heaters in Childrens Theatre block and link in to existing heating system.	5. Consider replacing T8 lamps with retrofit T5 conversion kit.	3. Install "Occupancy controls" to lighting.	6. Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.
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**Address:**

Arts Centre & Childrens Theatre, 33 King Street, Aberdeen, AB24 5AA  
2158

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

**Name of protocol organisation:** BRE Global, [BRE-ND-EPC00535]

**Date of issue of certificate:** 08 Jun 2011 (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**