

Building Energy Performance		Scotland
Energy Performance Certificate	Calculated asset rating using iSBEM v4.1.d [SBEM]	Building type Storage or Distribution
	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
		D+
		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		52
Approximate current energy use per m ² of floor area:		148 kWh/m²
Main heating fuel: Natural Gas		Building Services: Heating with Nat. Vent.
Renewable energy source: None		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:		22 B+
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:		38 C
Recommendations for the cost-effective improvement (lower cost measures) of the energy performance		
<p>1. Consider installing high bay air movement curtains with de-stratification fans in main warehouse. Consider also introducing pvc strips or draught proof corridors for loading and unload docking bays.</p> <p>2. Consider replacing warm air heating and space heating with modern high efficiency types with appropriate control. For high bay application radiant heating should be considered.</p> <p>3. Typically, two-thirds of the heat input into a commercial building is lost through the building fabric. Consider reviewing and mitigating losses through improvements such as draught-proofing and increased insulation particularly on external walls.</p> <p>4. Replace 38mm diameter (T12) fluorescent tubes on failure with 26mm (T8) tubes.</p> <p>5. Consider replacing T8 lamps with retrofit T5 conversion kit.</p> <p>6. Install more efficient water heater.</p>		

Address: The Co-operative Estates, 5 Wardpark Road, Cumbernauld, G67 3HW

Conditioned area (m²): 24525

Name of protocol organisation: Elmhurst Energy Systems, [EES/008702]

Date of issue of certificate: 28 Mar 2012 (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