

Energy Balance Evaluation

Key Values

Project Name: Calculated heat transfer coefficients:

Project Location: Cheltenham U values [W/m²K]
Activity Type: Multiple Building shell average: **0.75**

Evaluation Date: 02/02/2010 14:30 Roofs: **0.20 - 0.25**External walls: **0.29 - 0.75**

Tempered floor area: **3,243.30** m² Basement walls: -

Ventilated volume: **10,245.42** m³ Openings: **1.30 - 1.80**

Outer heat capacity: **12.46** J/m²K

Energy Consumption

	Yearly total		Yearly specific	
Source	kWh/year	GBP/year	kWh/m²,year	GBP/m²,year
37 % Natural gas	139554	3488	43.03	1.08
63 % Electricity	231533	2315	71.39	0.71
Total:	371087	5804	114.42	1.79



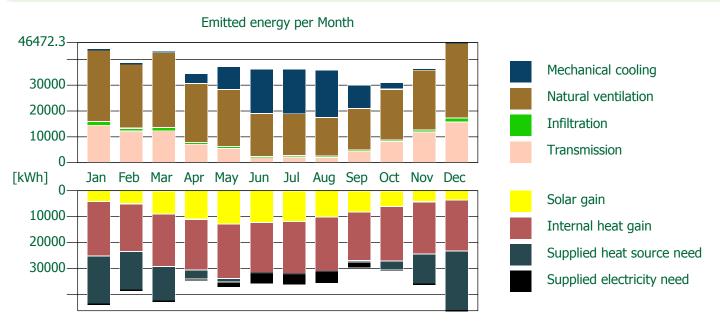
Carbon Footprint

CO₂ emission as a result of operating this building is 150 tonnes CO₂/year

This amount of CO_2 is absorbed in one year by 0.8 hectares (roughly equivalent to 1.4 football fields) of tropical forest.



Monthly Energy Balance



Supplied energy per Month