Code for Sustainable Homes (November 2010)
As Built - Final

This report details the calculations and results for Ene 1, 2 and 7 of the Code For Sustainable Homes.

This As Built Assessment has been carried out by an On-Construction Domestic Energy Assessor. The Assessor has confirmed any changes from the Design Submission with the builder. Code calculations are from the Technical Guide (November 2010).

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Building regulation assessment - criterion 1

	kg/m²/yr
DER	20.24
TER	23.34

Assessment of zero carbon home and low or zero carbon technologies

		Credits	Level
Dwelling emission rate (Ene 1)	CO_2 reduction = 13.3 %	1.6	3
Fabric Energy Efficiency	FEE = 55.2	3.9	
Low or zero carbon technologies (Ene 7)	CO_2 reduction = N/A	No credits	

Ene 1 - dwelling emission rate

	%	kWh/m²	kgCO_2/m²/yr	
Assessment of Ene 1 (level 1-5)				
DER from SAP 2009 DER worksheet			20.24	
Additional allowable generation		0.00		
CO_2 emissions offset from generation			0.00	
CO_2 emissions offset from community biofuel CHP systems			0.00	
Total CO_2 emissions offset from SAP section 16 allowances			**0.00**	
DER accounting for SAP section 16 allowances			**20.24**	
CO_2 reduction compared to TER			3.10	
CO_2 reduction as % of TER	13.3			
Assessment of Ene 1 (level 6)				
DER from SAP 2009 DER worksheet			20.24	(ZC1)
CO_2 emissions from appliances (equation L14)			17.53	(ZC2)
CO_2 emissions from cooking (equation L16)			3.36	(ZC3)
Total CO_2 emissions			41.13	(ZC4)
Additional allowable generation and its CO_2 emissions offset		0.00		(ZC6)
CO_2 emissions offset from additional allowable generation			0.00	(ZC7)
CO_2 emissions offset from community biofuel CHP systems			0.00	(ZC5)
Net CO_2 emissions			**41.13**	(ZC8)

Ene 1 - dwelling emission rate - level 6

There is no Zero Carbon Home definition in the current technical guide

	Criterion	Value	Pass/Fail
FEE	<= 46	55.2	Fail
Net CO_2 emissions	<= 0.00	41.13	Fail

Result: Not level 6

Number of credits for Ene 1	**1.6**

Ene 2 - Fabric Energy Efficiency

FEE	55.2
Number of credits for Ene 2	**3.9**

Ene 7 - low or zero carbon technologies

Not applicable