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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Client	Gower Homes Limited	Last modified	31/10/2014
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Building regulation assessment - criterion 1

	kg/m²/yr
DER	17.41
TER	19.46

Assessment of zero carbon home and low or zero carbon technologies

		Credits	Level
Dwelling emission rate (Ene 1)	CO_2 reduction = 10.5 %	1.3	3
Fabric Energy Efficiency	FEE = 50.1	5.6	
Low or zero carbon technologies (Ene 7)	CO_2 reduction = N/A	No credits	

Ene 1 - dwelling emission rate

	%	kWh/m²	kgCO₂/m²/yr	
Assessment of Ene 1 (level 1-5)				
DER from SAP 2009 DER worksheet			17.41	
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			**17.41**	
CO_2 reduction compared to TER			2.05	
CO_2 reduction as % of TER	10.5			
Assessment of Ene 1 (level 6)				
DER from SAP 2009 DER worksheet			17.41	(ZC1)
CO_2 emissions from appliances (equation L14)			16.52	(ZC2)
CO_2 emissions from cooking (equation L16)			2.39	(ZC3)
Total CO_2 emissions			36.32	(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			**36.32**	(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	50.1	Fail
Net CO_2 emissions	<= 0.00	36.32	Fail

Result: Not level 6

Number of credits for Ene 1	**1.3**

Ene 2 - Fabric Energy Efficiency

FEE	50.1
Number of credits for Ene 2	**5.6**

Ene 7 - low or zero carbon technologies

Not applicable