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	03/09/2014
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Building regulation assessment - criterion 1

	kg/m²/yr
DER	18.21
TER	20.27

Assessment of zero carbon home and low or zero carbon technologies

		Credits	Level
Dwelling emission rate (Ene 1)	CO_2 reduction = 10.2 %	1.2	3
Fabric Energy Efficiency	FEE = 50.4	5.5	
Low or zero carbon technologies (Ene 7)	CO_2 reduction = N/A	No credits	

Ene 1 - dwelling emission rate

	%	kWh/m²	$kgCO_2/m^2/yr$	
Assessment of Ene 1 (level 1-5)				
DER from SAP 2009 DER worksheet			18.21	
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			**18.21**	
CO_2 reduction compared to TER			2.06	
CO_2 reduction as % of TER	10.2			
Assessment of Ene 1 (level 6)				
DER from SAP 2009 DER worksheet			18.21	(ZC1)
CO_2 emissions from appliances (equation L14)			16.89	(ZC2)
CO_2 emissions from cooking (equation L16)			2.64	(ZC3)
Total CO_2 emissions			37.74	(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			**37.74**	(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	50.4	Fail
Net CO_2 emissions	<= 0.00	37.74	Fail

Result: Not level 6

Number of credits for Ene 1	**1.2**

Ene 2 - Fabric Energy Efficiency

FEE	50.4
Number of credits for Ene 2	**5.5**

Ene 7 - low or zero carbon technologies

Not applicable