

Assessor and House Details

Assessor Name: Mike Ovenden **Assessor Number:** STRO006697
Property Address: Top Two storey maisonette
 69 High Street
 Highgate
 N6

Buiding regulation assessment

kg/m²/year
 TER 19.36
 DER 18.09
The following code calculations are taken from the Code for Sustainable Homes Technical Guide (Nov 10)

Ene 1 Assessment - Dwelling Emission Rate

Total Energy Type CO2 Emissions for Codes Levels 1 - 5

	%	kg/m ² /year	
DER from SAP 2009 DER Worksheet		18.09	(ZC1)
TER		19.36	
Residual CO2 emissions offset from biofuel CHP		0	(ZC5)
CO2 emissions offset from additional allowable electricity generation		0	(ZC7)
Total CO2 emissions offset from SAP Section 16 allowances		0	
DER accounting for SAP Section 16 allowances		18.09	
% improvement DER/TER	6.6		

Total Energy Type CO2 Emissions for Codes Levels 6

	kg/m ² /year	
DER accounting for SAP Section 16 allowances	18.09	(ZC1)
CO2 emissions from appliances, equation (L14)	14.08	(ZC2)
CO2 emissions from cooking, equation (L16)	1.58	(ZC3)
Net CO2 emissions	33.7	(ZC8)

Result:

Credits awarded for Ene 1 = 0.8

Code Level = 3

Ene 2 - Fabric energy Efficiency

Fabric energy Efficiency: 64.96

Credits awarded for Ene 2 = 0

Ene 7 - Low or Zero Carbon (LZC) Technologies

Reduction in CO2 Emissions

	%	kg/m ² /year	
Standard Case CO2 emissions		35.94	
Standard DER		20.29	
Actual Case CO2 emissions		34.95	
Actual DER		19.3	
Reduction in CO2 emissions	2.75		

Credits awarded for Ene 7 = 0

Technologies eligible to contribute to achieving the requirements of this issue must produce energy from renewable sources and meet all other ancillary requirements as defined by Directive 2009/28/EC of the European Parliament and of the Council of 23 April 2009 on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC.

The following requirements must also be met:

- Where not provided by accredited external renewables there must be a direct supply of energy produced to the dwelling under assessment.
- Where covered by the Microgeneration Certification Scheme (MCS), technologies under 50kWe or 300kWth must be certified.
- Combined Heat and Power (CHP) schemes above 50kWe must be certified under the CHPQA standard.
- All technologies must be accounted for by SAP.

CHP schemes fuelled by mains gas are eligible to contribute to performance against this issue. Where these schemes are above 50kWe they must be certified under the CHPQA.

It is the responsibility of the Accredited OCDEA and Code Assessor to ensure all technologies use in the calculation are appropriate before awarding credits.