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Assessing the performance of domestic heating controls in a whole house test facility

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Table 5. Gas and electricity consumption during the tests.

Tests	Gas Used				Electricity Used			Totals		
	m ³	kWh ^{*1}	£ ^{*2}	kgCO ₂ ^{*3}	kWh	£ ^{*2}	kgCO ₂ ^{*3}	kWh	£ ^{*2}	kgCO ₂ ^{*3}
1	10.72	121.8	£5.20	22.558	0.83	£0.11	0.431907	122.63	£5.31	22.99047
2	9.42	107.4	£4.57	19.824	0.75	£0.10	0.390277	107.79	£4.67	20.21514
3	6.28	71.36	£3.05	13.601	0.74	£0.09	0.385073	72.1	£3.15	13.60165

*1 – Calculated using http://www.energylinx.co.uk/gas_meter_conversion_meters.html with default settings (Correction Factor = 1.02264, Calorific Value = 40.0)

*2 – Based on British Gas Clear & Simple cash/card payment (4.274p per kWh gas, 12.797p per kWh electric) not including standing charge (24.439p per day gas and 15.979p per day electric) – Prices taken on 07/05/2013 from <http://www.britishgas.co.uk/products-and-services/gas-and-electricity/our-tariffs/clear-and-simple-rates.html>

*3 – Calculated using DECC:Climate Change Agreements Interim Guidance (Version 1.1), GP 3.5 Conversion Factors & Procedures, 28/09/2012. Recovered on 10/10/2012 from <http://www.decc.gov.uk/assets/decc/11/cutting-emissions/cca/6112-cca-interim-guidance-gp3-5.pdf>