

**Box 1: Domestic Efficiency Measures – estimated costs & savings**

<i>Measures</i>	<i>Average cost (£)</i>	<i>Cost saved (£/yr)</i>	<i>Carbon saved (kgC/yr)</i>	<i>Pay-back (yrs)</i>	<i>Potential homes ('000) †</i>	<i>Potential total carbon saving (MtC/yr)</i>
Hot water cylinder insulation	14	29	53	0.5	1,137	0.1
Cavity wall insulation	342	133	242	2.6	8,500	2.1
Loft insulation (full and top-up)	284	104	190	2.7	6,186	1.2
Improved heating controls	147	43	77	3.4	2,102	0.2
Draught proofing	100	23	43	4.3	9,793	0.4
Micro CHP	1,571	230	508	6.8	12,000 <sup>4</sup>	6.1
Solid wall insulation	3150	380	694	7.5	7,479	5.2
A-rated boiler	1,500 <sup>1</sup>	168	177	8.9	17,128	3.0
Micro wind	2,363	224	263	10.5	- <sup>2</sup>	-
Ground source heat pump <sup>3</sup>	4,725	368	990	12.8	17,000	16.8
Photovoltaic (PV) electricity	9,844	212	249	46.4	9,892	2.5
Solar water heating	2,625	48	88	54.7	19,330	1.7
Windows (Single to Double Glazing)	4,000 <sup>1</sup>	41	26	97.6	10,746	1.7

Source: *The First Draft Illustrative Mix of Measures for EEC 2008-11 (Defra), 2006 and †Buildings Research Establishment (BRE), 2005*