

Table 4. Average costs and cost contributions of individual measures

Measure	Unit cost of measure (£)		Indirect costs (£)		Total cost (£)		% of cost met by supplier		Cost met by householder (£)		Cost to supplier (£)	
	Priority	Other	Priority	Other	Priority	Other	Priority	Other	Priority	Other	Priority	Other
	Cavity Wall Insulation	311	342	78	64	389	406	93.8%	56.4%	24	177	365
Loft Insulation (professional)	258	284	68	55	326	339	96.0%	65.0%	13	119	313	220
Loft Insulation (DIY)	128	141	37	31	165	172	33.4%	35.9%	110	110	55	62
Glazing E to C rated	191	210	53	43	244	253	95.0%	50.0%	12	127	232	127
A/B Rated Boilers (exceptions)	210	210	57	43	267	253	95.8%	81.0%	11	48	256	205
Fuel Switching	1815	1995	213	167	2028	2162	99.8%	51.5%	4	1049	2024	1113
Heating Controls - Upgrade with boiler	81	89	25	20	106	109	85.1%	42.6%	16	63	90	46
Heating Controls - Extra	134	147	39	32	173	179	85.1%	42.6%	26	103	147	76
CFLs - Retail	2.1	2.1	0.7	0.5	2.8	2.6	41.4%	43.0%	2	1	1	1
CFLs - Direct	3.2	3.2	1	0.8	4.2	4	98.9%	83.1%	0	1	4	3
Appliances - Cold	21	21	6.8	5.1	27.8	26.1	56.7%	51.5%	12	13	16	13
Appliances - Wet	105	105	31	24	136	129	49.8%	51.0%	68	63	68	68
Appliances - Set Top Boxes	1.5	1.5	0.5	0.4	2	1.9	50.0%	50.0%	1	1	1	1
Tank Insulation - Top Up	14	14	4.4	3.4	18.4	17.4	95.1%	80.4%	1	3	17	14
Draughtproofing	91	100	27	23	118	123	98.8%	78.1%	1	27	117	96
Wood Burning Stoves (secondary)	1575	1575	202	153	1777	1728	100.0%	17.0%	0	1434	1777	294
Wood Chip Boilers (Primary)	4200	4200	267	202	4467	4402	100.0%	30.0%	0	3081	4467	1321
Photovoltaic Panels (2.5kWp)	9844	9844	300	227	10144	10071	100.0%	30.0%	0	7050	10144	3021
Solar Water Heater (4m)	2625	2625	239	181	2864	2806	100.0%	17.0%	0	2329	2864	477
Micro Wind (1.5kWp, 17% LF)	2363	2363	232	176	2595	2539	100.0%	30.0%	0	1777	2595	762
Micro Wind (0.7kWp, 50% LF)	2940	2940	246	187	3186	3127	100.0%	30.0%	0	2189	3186	938
Feedback Displays	16	16	5.1	3.9	21.1	19.9	80.0%	50.0%	4	10	17	10
Heat Pumps	4725	4725	272	206	4997	4931	100.0%	30.0%	0	3452	4997	1479
Solid Wall Insulation	2867	3150	245	190	3112	3340	95.0%	60.0%	156	1336	2956	2004
Micro CHP	1571	1571	202	153	1773	1724	100.0%	30.0%	0	1207	1773	517

Note: Total cost arrived at by adding Unit and Indirect costs - rounding diffs compared to Defra table.

From Table 10						
NPG Fuel-standardised lifetime discounted gross energy saving (MWh)	Implied Total Cost of measure (p/kWh)	Implied NPG Supplier cost of measure (p/kWh)	Implied Ranking	Defra Ranking	Difference between rank	
35.3	1.15014	0.65	4	4	0	0
27.7	1.22	0.80	6	6	0	0
23.2	0.74	0.27	1	1	0	0
2.6	9.73	4.87	22	22	0	0
8	3.16	2.56	17	17	0	0
79.6	2.72	1.40	10	10	0	0
0.8	13.63	5.80	23	23	0	0
6	2.98	1.27	8	8	0	0
0.2	1.30	0.56	3	3	0	0
0.2	2.00	1.66	12	12	0	0
0.5	5.22	2.69	19	19	0	0
0.8	16.13	8.22	24	24	0	0
0.05	3.80	1.90	14	14	0	0
3	0.58	0.47	2	2	0	0
4.1	3.00	2.34	16	16	0	0
16.9	10.22	1.74	13	13	0	0
189.4	2.32	0.70	5	5	0	0
27.9	36.10	10.83	25	25	0	0
9.9	28.34	4.82	21	21	0	0
25.5	9.96	2.98	20	20	0	0
34.9	8.96	2.69	18	18	0	0
1.2	1.66	0.83	7	7	0	0
96	5.14	1.54	11	11	0	0
94.6	3.53	2.12	15	15	0	0
39.9	4.32	1.30	9	9	0	0

Total Costs		
Cost per 100k households for CWI (NPG)	Cost per 100k CWI households for each measure as replacement	Increase versus CWI
£ 40,600,000	£ 43,201,083	£ 2,601,083
	£ 26,170,690	£ 14,429,310
	£ 343,496,154	£ 302,896,154
	£ 111,636,250	£ 71,036,250
	£ 95,877,638	£ 55,277,638
	£ 480,962,500	£ 440,362,500
	£ 105,311,667	£ 64,711,667
	£ 45,890,000	£ 5,290,000
	£ 70,600,000	£ 30,000,000
	£ 184,266,000	£ 143,666,000
	£ 569,212,500	£ 528,612,500
	£ 134,140,000	£ 93,540,000
	£ 20,474,000	£ 20,126,000
	£ 105,900,000	£ 65,300,000
	£ 360,937,278	£ 320,337,278
	£ 82,043,611	£ 41,443,611
	£ 1,274,216,129	£ 1,233,616,129
	£ 1,000,523,232	£ 959,923,232
	£ 351,477,255	£ 310,877,255
	£ 316,283,954	£ 275,683,954
	£ 58,538,167	£ 17,939,167
	£ 181,316,979	£ 140,716,979
	£ 124,632,135	£ 84,032,135
	£ 152,524,311	£ 111,924,311

NPG Supplier Cost

Cost per 100k CWI households for each measure as replacement		
Cost per 100k households for CWI (NPG)	Cost per 100k CWI households for each measure as replacement	Increase versus CWI
£ 22,898,400	£ 28,080,704	£ 5,182,304
	£ 9,395,278	£ 13,503,122
	£ 171,748,077	£ 148,849,677
	£ 90,425,363	£ 67,526,963
	£ 49,378,984	£ 28,478,984
	£ 204,890,025	£ 181,991,625
	£ 44,862,770	£ 21,964,370
	£ 19,732,700	£ 3,165,700
	£ 58,668,600	£ 35,770,200
	£ 94,896,990	£ 71,998,590
	£ 290,298,975	£ 267,399,975
	£ 67,070,000	£ 44,171,600
	£ 16,461,096	£ 6,437,304
	£ 82,707,900	£ 59,809,500
	£ 61,359,337	£ 38,460,937
	£ 24,613,083	£ 1,714,683
	£ 382,264,839	£ 359,366,439
	£ 170,088,949	£ 147,190,549
	£ 105,443,176	£ 82,544,776
	£ 94,885,186	£ 71,986,786
	£ 29,269,583	£ 6,371,183
	£ 54,395,094	£ 31,496,694
	£ 74,779,281	£ 51,880,881
	£ 45,757,293	£ 22,858,893

Implied PG Supplier Cost (Awaiting Carsten conf)

Cost per 100k CWI households for each measure as replacement			
Implied Supplier PG cost of measure (p/kWh)	Cost per 100k households for CWI (NPG)	Cost per 100k CWI households for each measure as replacement	Increase versus CWI
1.03	£ 36,488,200	£ 39,882,628	£ 3,394,428
0.24		£ 8,385,272	£ 28,102,928
8.92		£ 314,713,077	£ 278,224,877
3.20		£ 112,865,573	£ 76,377,373
2.54		£ 89,755,306	£ 53,267,106
11.28		£ 398,033,975	£ 361,545,775
2.45		£ 86,616,198	£ 50,127,998
0.58		£ 20,459,880	£ 16,028,320
2.08		£ 73,314,570	£ 36,826,370
3.15		£ 111,283,956	£ 74,795,756
8.47		£ 298,849,800	£ 262,361,600
2.00		£ 70,600,000	£ 34,111,800
0.58		£ 20,589,784	£ 15,898,416
2.84		£ 100,375,980	£ 63,887,780
10.51		£ 371,172,189	£ 334,683,989
2.36		£ 83,255,069	£ 46,766,869
36.36		£ 1,283,452,330	£ 1,246,964,130
28.93		£ 1,021,204,040	£ 984,715,840
10.18		£ 359,229,412	£ 322,741,212
9.13		£ 322,251,576	£ 285,763,376
1.41		£ 49,655,333	£ 13,167,133
5.21		£ 183,743,854	£ 147,255,654
3.13		£ 110,318,097	£ 73,829,897
4.44		£ 156,859,398	£ 120,371,198

Increased Supplier Cost of Replacing 500k CWI with 500k Solid Wall: NPG £ 259,404,406
 Increased Supplier Cost of Replacing 500k CWI with 500k Solid Wall: PG Implied £ 369,149,486
 Total increased cost of replacing 500k CWI with 500k Solid Wall £ 420,160,677

Check against PG implied for Solid Wall		
Energy saving of 500k CWI	186575	17650000 MWh
Equivalent number of Solid Wall Insulation to deliver same saving	£ 551,590,486	
Cost of SWI	£ 182,441,000	
Cost of CWI	£ 369,149,486	
Diff		