	Energy efficiency measures by LA, HMA & sector	Secondary/ double glazing				Full loft			Loft top up			All lofts
	Local Authority	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	LA social	RSL	Private (all)	All households
West HMA	Bridgnorth	0	0	12	12	0	0	32	0	0	462	494
	Herefordshire	0	0	0	0	0	0	50	0	0	903	953
	North Shropshire	0	272	0	272	0	0	17	0	50	501	568
	Oswestry	0	0	0	0	0	0	9	0	0	159	168
	Shrewsbury & Atcham	0	6	0	6	0	0	16	0	0	550	566
	South Shropshire	0	53	0	53	0	0	10	0	69	229	308
	Total	**0**	**331**	**12**	**343**	**0**	**0**	**134**	**0**	**119**	**2804**	**3057**
Central HMA	Birmingham	0	892	0	892	0	0	1616	2250	215	10065	14146
	Cannock Chase	0	11	0	11	0	0	19	135	0	653	807
	Coventry	0	290	0	290	0	0	30	0	242	1717	1989
	Dudley	3031	67	14	3112	523	0	50	1807	0	1470	3850
	Lichfield	0	202	0	202	0	0	52	0	748	654	1454
	North Warwickshire	0	2	0	2	0	0	29	0	0	472	501
	Nuneaton & Bedworth	0	7	0	7	0	0	14	0	0	1186	1200
	Rugby	0	7	0	7	0	0	20	0	0	540	560
	Sandwell	0	123	100	223	0	0	114	1797	2	2086	3999
	Solihull	2202	76	0	2278	0	0	110	1000	1	1483	2594
	South Staffordshire	0	1	0	1	0	0	102	0	0	1051	1153
	Tamworth	260	16	11	287	0	0	4	260	57	635	956
	Telford & Wrekin	0	0	17	17	0	0	20	0	0	817	837
	Walsall	0	2015	0	2015	0	0	155	0	1854	2223	4232
	Wolverhampton	0	97	20	117	0	0	88	0	0	1590	1678
	Total	**5493**	**3806**	**162**	**9461**	**523**	**0**	**2423**	**7249**	**3119**	**26642**	**39956**
South HMA	Bromsgrove	0	0	0	0	0	0	130	0	0	873	1003
	Malvern Hills	0	26	0	26	0	0	33	0	4	312	349
	Redditch	0	0	0	0	0	0	12	0	0	396	408
	Stratford on Avon	0	0	0	0	0	0	27	0	0	616	643
	Warwick	0	3	0	3	0	0	27	0	0	596	623
	Worcester	0	0	0	0	0	0	10	0	0	363	373
	Wychavon	0	0	0	0	0	0	41	0	0	823	864
	Wyre Forest	0	0	0	0	0	0	24	0	0	735	759
	Total	**0**	**29**	**0**	**29**	**0**	**0**	**304**	**0**	**4**	**4714**	**5022**
North HMA	East Staffordshire	0	0	0	0	0	0	26	0	0	719	745
	Newcastle under Lyme	0	1	6	7	0	0	63	0	116	565	744
	Stafford	0	396	0	396	0	0	78	0	0	763	841
	Staffordshire Moorlands	0	0	0	0	0	0	55	0	15	581	651
	Stoke on Trent *	158	29	0	187	0	0	98	44	0	1167	1309
	Total	**158**	**426**	**6**	**590**	**0**	**0**	**320**	**44**	**131**	**3795**	**4290**

		Cavity wall insulation				Solid wall (internal)				Solid wall (external)			
	Local Authority	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	All households
West HMA	Bridgnorth	0	0	604	604	0	0	0	0	0	0	0	0
	Herefordshire	0	0	842	842	0	0	0	0	0	0	0	0
	North Shropshire	0	0	532	532	0	0	0	0	0	0	0	0
	Oswestry	0	0	159	159	0	0	0	0	0	0	0	0
	Shrewsbury & Atcham	0	0	612	612	0	0	0	0	0	0	0	0
	South Shropshire	0	69	270	339	0	0	1	1	0	0	0	0
	Total	**0**	**69**	**3019**	**3088**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**
Central HMA	Birmingham	2250	2	8188	10440	0	2	0	2	0	0	0	0
	Cannock Chase	0	0	828	828	0	0	0	0	0	0	0	0
	Coventry	0	0	773	773	0	0	0	0	0	0	0	0
	Dudley	418	0	1693	2111	0	0	2	2	0	0	2	2
	Lichfield	0	352	904	1256	0	2	0	2	0	0	0	0
	North Warwickshire	0	0	469	469	0	0	0	0	0	0	0	0
	Nuneaton & Bedworth	0	0	533	533	0	0	0	0	0	0	0	0
	Rugby	0	0	454	454	0	0	0	0	0	0	0	0
	Sandwell	0	0	1148	1148	0	0	0	0	0	0	0	0
	Solihull	100	0	1467	1567	0	0	0	0	0	0	0	0
	South Staffordshire	0	0	1697	1697	0	0	0	0	0	0	0	0
	Tamworth	260	195	722	1177	0	0	0	0	0	0	0	0
	Telford & Wrekin	0	0	824	824	0	0	0	0	0	0	0	0
	Walsall	0	1832	3593	5425	0	0	0	0	0	390	0	390
	Wolverhampton	0	0	1293	1293	0	0	0	0	0	0	0	0
	Total	**3028**	**2381**	**24586**	**29995**	**0**	**4**	**2**	**6**	**0**	**390**	**2**	**392**
South HMA	Bromsgrove	0	0	1060	1060	0	0	0	0	0	0	0	0
	Malvern Hills	0	4	346	350	0	0	0	0	0	0	0	0
	Redditch	0	0	367	367	0	0	0	0	0	0	0	0
	Stratford on Avon	0	0	809	809	0	0	0	0	0	0	0	0
	Warwick	0	0	557	557	0	0	0	0	0	0	0	0
	Worcester	0	0	221	221	0	0	0	0	0	0	0	0
	Wychavon	0	0	1082	1082	0	0	0	0	0	0	0	0
	Wyre Forest	0	0	670	670	0	0	0	0	0	0	0	0
	Total	**0**	**4**	**5112**	**5116**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
North HMA	East Staffordshire	0	0	606	606	0	0	0	0	0	0	0	0
	Newcastle under Lyme	0	44	1380	1424	0	0	0	0	0	343	2	345
	Stafford	0	0	1528	1528	0	0	0	0	0	50	0	50
	Staffordshire Moorlands	0	0	1482	1482	0	0	0	0	0	0	0	0
	Stoke on Trent *	0	0	2190	2190	0	0	0	0	0	0	0	0
	Total	**0**	**44**	**7186**	**7230**	**0**	**0**	**0**	**0**	**0**	**393**	**2**	**395**

		Floor insulation				Hot water tank jacket				Low energy light bulbs			
	Local Authority	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	All households
West HMA	Bridgnorth	0	0	0	0	0	0	22	22	0	0	221	221
	Herefordshire	0	0	0	0	0	0	33	33	0	0	517	517
	North Shropshire	0	0	0	0	0	0	24	24	0	500	284	784
	Oswestry	0	0	0	0	0	0	14	14	0	0	185	185
	Shrewsbury & Atcham	0	0	0	0	0	0	21	21	0	0	380	380
	South Shropshire	0	0	0	0	0	0	25	25	0	500	165	665
	Total	**0**	**0**	**0**	**0**	**0**	**0**	**139**	**139**	**0**	**1000**	**1752**	**2752**
Central HMA	Birmingham	0	2	0	2	0	2	237	239	0	6	8382	8388
	Cannock Chase	0	0	0	0	0	0	51	51	0	0	566	566
	Coventry	0	0	0	0	0	0	46	46	0	0	2138	2138
	Dudley	31	0	8	39	65	0	89	154	0	0	2428	2428
	Lichfield	0	2	0	2	0	0	44	44	0	0	421	421
	North Warwickshire	0	0	0	0	0	0	15	15	0	0	311	311
	Nuneaton & Bedworth	0	0	0	0	0	0	13	13	0	0	849	849
	Rugby	0	0	0	0	0	0	5	5	0	0	2480	2480
	Sandwell	0	0	0	0	0	0	72	72	0	0	2695	2695
	Solihull	0	0	0	0	100	0	49	149	5564	0	817	6381
	South Staffordshire	0	0	0	0	0	0	32	32	0	0	444	444
	Tamworth	0	0	0	0	0	0	21	21	0	0	385	385
	Telford & Wrekin	0	0	0	0	0	0	33	33	0	5000	839	5839
	Walsall	0	0	0	0	0	0	115	115	0	0	4539	4539
	Wolverhampton	0	0	0	0	0	0	115	115	0	0	1997	1997
	Total	**31**	**4**	**8**	**43**	**165**	**2**	**937**	**1104**	**5564**	**5006**	**29291**	**39861**
South HMA	Bromsgrove	0	0	0	0	0	0	23	23	0	0	339	339
	Malvern Hills	0	0	0	0	0	0	32	32	0	0	195	195
	Redditch	0	0	0	0	0	0	38	38	0	0	388	388
	Stratford on Avon	0	0	0	0	0	0	11	11	0	0	309	309
	Warwick	0	0	0	0	0	0	12	12	0	0	330	330
	Worcester	0	0	0	0	0	0	33	33	0	0	402	402
	Wychavon	0	0	0	0	0	0	6	6	0	0	26	26
	Wyre Forest	0	0	0	0	0	0	11	11	0	0	20	20
	Total	**0**	**0**	**0**	**0**	**0**	**0**	**166**	**166**	**0**	**0**	**2009**	**2009**
North HMA	East Staffordshire	0	0	0	0	0	0	18	18	0	0	713	713
	Newcastle under Lyme	0	0	0	0	0	0	65	65	0	7588	1081	8669
	Stafford	0	0	0	0	0	0	37	37	0	0	513	513
	Staffordshire Moorlands	0	0	0	0	0	0	45	45	0	0	857	857
	Stoke on Trent *	2	0	0	2	0	0	91	91	0	0	2795	2795
	Total	**2**	**0**	**0**	**2**	**0**	**0**	**256**	**256**	**0**	**7588**	**5959**	**13547**

		Condensing gas boiler				Central heating (none previously) assumes gas				Biomass boiler			
	Local Authority	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	All households
West HMA	Bridgnorth	58	0	37	95	0	0	8	8	0	0	1	1
	Herefordshire	0	0	78	78	0	0	34	34	0	0	3	3
	North Shropshire	0	15	42	57	0	40	16	56	0	0	1	1
	Oswestry	0	0	32	32	0	0	21	21	0	0	1	1
	Shrewsbury & Atcham	0	0	72	72	0	0	21	21	0	0	0	0
	South Shropshire	0	9	21	30	0	4	15	19	0	0	0	0
	Total	**58**	**24**	**282**	**364**	**0**	**44**	**115**	**159**	**0**	**0**	**6**	**6**
Central HMA	Birmingham	0	673	3023	3696	0	2	1255	1257	0	0	0	0
	Cannock Chase	0	43	166	209	261	0	43	304	0	0	0	0
	Coventry	0	1156	580	1736	0	0	260	260	0	0	0	0
	Dudley	676	35	657	1368	416	0	293	709	0	0	0	0
	Lichfield	0	135	120	255	0	18	27	45	0	0	0	0
	North Warwickshire	0	1	119	120	0	0	20	20	0	0	1	1
	Nuneaton & Bedworth	0	2	238	240	0	0	64	64	0	0	0	0
	Rugby	0	18	98	116	0	0	17	17	0	0	0	0
	Sandwell	2368	46	1215	3629	2368	0	495	2863	0	0	0	0
	Solihull	995	3	295	1293	3	0	46	49	0	0	0	0
	South Staffordshire	0	18	152	170	0	0	35	35	0	0	0	0
	Tamworth	0	87	141	228	260	0	29	289	0	0	0	0
	Telford & Wrekin	0	601	248	849	0	0	45	45	0	0	0	0
	Walsall	0	2444	974	3418	0	3552	371	3923	0	0	0	0
	Wolverhampton	0	144	659	803	0	0	274	274	0	0	0	0
	Total	**4039**	**5406**	**8685**	**18130**	**3308**	**3572**	**3274**	**10154**	**0**	**0**	**1**	**1**
South HMA	Bromsgrove	0	6	94	100	0	0	19	19	0	0	0	0
	Malvern Hills	0	0	41	41	0	0	5	5	0	0	0	0
	Redditch	0	0	164	164	0	0	14	14	0	0	0	0
	Stratford on Avon	0	0	48	48	0	0	16	16	0	0	1	1
	Warwick	0	3	74	77	0	0	13	13	0	0	0	0
	Worcester	0	0	118	118	0	0	41	41	0	0	0	0
	Wychavon	0	0	87	87	0	0	2	2	0	0	429	429
	Wyre Forest	0	0	104	104	0	0	2	2	0	0	364	364
	Total	**0**	**9**	**730**	**739**	**0**	**0**	**112**	**112**	**0**	**0**	**794**	**794**
North HMA	East Staffordshire	0	1	150	151	0	0	119	119	0	0	0	0
	Newcastle under Lyme	0	694	462	1156	0	0	71	71	0	0	2	2
	Stafford	0	1	185	186	0	195	22	217	0	0	0	0
	Staffordshire Moorlands	0	0	253	253	0	0	42	42	0	0	0	0
	Stoke on Trent *	150	20	1141	1311	0	0	195	195	0	0	0	0
	Total	**150**	**716**	**2191**	**3057**	**0**	**195**	**449**	**644**	**0**	**0**	**2**	**2**

		Solar water				Solar photovoltaic				Central/programmable heating			TRVs			All controls/ TRVs
	Local Authority	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	LA social	RSL	Private (all)	All households
West HMA	Bridgnorth	0	0	3	3	0	0	2	2	58	0	0	58	0	0	116
	Herefordshire	0	0	25	25	0	0	5	5	0	0	0	0	0	0	0
	North Shropshire	0	0	4	4	0	0	0	0	0	0	0	0	240	0	240
	Oswestry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shrewsbury & Atcham	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
	South Shropshire	0	0	8	8	0	0	2	2	0	17	3	0	16	0	36
	Total	**0**	**0**	**43**	**43**	**0**	**0**	**9**	**9**	**58**	**17**	**3**	**58**	**256**	**0**	**392**
Central HMA	Birmingham	200	350	3	553	0	0	2	2	0	667	0	0	665	0	1332
	Cannock Chase	0	0	0	0	0	0	0	0	0	43	0	0	43	0	86
	Coventry	0	0	2	2	0	0	1	1	0	1156	0	0	332	0	1488
	Dudley	0	0	0	0	0	0	0	0	2920	30	0	674	30	10	3664
	Lichfield	0	0	4	4	0	0	0	0	0	68	0	0	68	0	136
	North Warwickshire	0	0	0	0	0	0	1	1	0	1	0	0	1	0	2
	Nuneaton & Bedworth	0	0	1	1	0	0	0	0	0	2	0	0	2	0	4
	Rugby	0	0	6	6	0	0	2	2	0	18	0	0	18	0	36
	Sandwell	0	0	5	5	0	0	0	0	0	45	350	0	45	350	790
	Solihull	0	0	0	0	0	0	1	1	995	0	0	995	0	0	1990
	South Staffordshire	0	0	0	0	0	0	0	0	0	18	0	0	18	0	36
	Tamworth	0	0	5	5	0	0	0	0	0	86	0	0	86	0	172
	Telford & Wrekin	0	0	3	3	0	0	0	0	0	131	0	0	1887	0	2018
	Walsall	0	0	1	1	0	0	0	0	0	2444	175	0	0	820	3439
	Wolverhampton	0	0	0	0	0	0	0	0	0	144	0	0	144	0	288
	Total	**200**	**350**	**30**	**580**	**0**	**0**	**7**	**7**	**3915**	**4853**	**525**	**1669**	**3339**	**1180**	**15481**
South HMA	Bromsgrove	0	0	1	1	0	0	3	3	0	6	0	0	6	0	12
	Malvern Hills	0	0	5	5	0	0	2	2	0	0	11	0	0	0	11
	Redditch	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	Stratford on Avon	0	0	2	2	0	0	1	1	0	0	0	0	0	0	0
	Warwick	0	0	2	2	0	0	2	2	0	3	0	0	3	0	6
	Worcester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Wychavon	0	0	4	4	0	0	4	4	0	0	0	0	0	0	0
	Wyre Forest	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	Total	**0**	**0**	**16**	**16**	**0**	**0**	**12**	**12**	**0**	**9**	**11**	**0**	**9**	**0**	**29**
North HMA	East Staffordshire	0	0	3	3	0	0	0	0	0	1	0	0	1	0	2
	Newcastle under Lyme	0	0	1	1	0	0	0	0	0	4	0	0	3844	2	3850
	Stafford	0	0	5	5	0	0	0	0	0	1	0	0	1	0	2
	Staffordshire Moorlands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Stoke on Trent *	0	0	0	0	0	0	1	1	352	20	0	0	20	0	392
	Total	**0**	**0**	**9**	**9**	**0**	**0**	**1**	**1**	**352**	**26**	**0**	**0**	**3866**	**2**	**4246**

		Draughtproofing				Ground Source Heat Pump				Oil central heating			
	Local Authority	LA social	RSL	Private (all)	All households	LA social	RSL	Private (all)	All households	LA Social	RSL	Private (all)	All households
West HMA	Bridgnorth	0	0	30	30	0	0	2	2	0	0	4	4
	Herefordshire	0	0	87	87	0	0	1	1	0	0	4	4
	North Shropshire	0	0	41	41	0	0	0	0	0	0	5	5
	Oswestry	0	0	30	30	0	0	0	0	0	0	0	0
	Shrewsbury & Atcham	0	0	72	72	0	0	0	0	0	0	0	0
	South Shropshire	0	0	30	30	0	0	3	3	0	0	8	8
	Total	**0**	**0**	**290**	**290**	**0**	**0**	**6**	**6**	**0**	**0**	**21**	**21**
Central HMA	Birmingham	0	0	866	866	0	0	0	0	0	0	0	0
	Cannock Chase	0	0	65	65	0	0	0	0	0	0	0	0
	Coventry	0	0	126	126	0	0	0	0	0	0	0	0
	Dudley	7657	0	265	7922	0	0	0	0	0	0	0	0
	Lichfield	0	0	60	60	0	0	0	0	0	0	1	1
	North Warwickshire	0	0	55	55	0	0	0	0	0	0	0	0
	Nuneaton & Bedworth	0	0	39	39	0	0	0	0	0	0	0	0
	Rugby	0	0	25	25	0	0	1	1	0	0	1	1
	Sandwell	0	0	319	319	0	0	0	0	0	0	0	0
	Solihull	0	0	79	79	0	0	0	0	0	0	0	0
	South Staffordshire	0	0	51	51	0	0	1	1	0	0	0	0
	Tamworth	0	0	37	37	0	0	0	0	0	0	0	0
	Telford & Wrekin	0	0	92	92	0	0	1	1	0	0	0	0
	Walsall	0	0	255	255	0	0	0	0	0	0	0	0
	Wolverhampton	0	0	267	267	0	0	0	0	0	0	1	1
	Total	**7657**	**0**	**2601**	**10258**	**0**	**0**	**3**	**3**	**0**	**0**	**3**	**3**
South HMA	Bromsgrove	0	0	42	42	0	0	1	1	0	0	0	0
	Malvern Hills	0	0	48	48	0	0	0	0	0	0	2	2
	Redditch	0	0	50	50	0	0	0	0	0	0	0	0
	Stratford on Avon	0	0	44	44	0	24	1	25	0	0	3	3
	Warwick	0	0	42	42	0	0	1	1	0	0	0	0
	Worcester	0	0	82	82	0	0	0	0	0	0	0	0
	Wychavon	0	0	72	72	0	0	0	0	0	0	25	25
	Wyre Forest	0	0	61	61	0	0	0	0	0	0	23	23
	Total	**0**	**0**	**441**	**441**	**0**	**24**	**3**	**27**	**0**	**0**	**53**	**53**
North HMA	East Staffordshire	0	0	61	61	0	0	1	1	0	0	1	1
	Newcastle under Lyme	0	0	74	74	0	0	0	0	0	0	0	0
	Stafford	0	0	37	37	0	0	1	1	0	0	4	4
	Staffordshire Moorlands	0	0	44	44	0	0	0	0	0	0	7	7
	Stoke on Trent *	0	0	177	177	0	0	0	0	0	0	0	0
	Total	**0**	**0**	**393**	**393**	**0**	**0**	**2**	**2**	**0**	**0**	**12**	**12**

		Wind turbine				Boiler Replacement Oil			
	Local Authority	LA Social	RSL	Private (all)	All households	LA Social	RSL	Private (all)	All households
West HMA	Bridgnorth	0	0	1	1	0	0	4	4
	Herefordshire	0	0	0	0	0	0	17	17
	North Shropshire	0	0	1	1	0	0	10	10
	Oswestry	0	0	0	0	0	0	3	3
	Shrewsbury & Atcham	0	0	0	0	0	0	9	9
	South Shropshire	0	0	0	0	0	0	6	6
	Total	**0**	**0**	**2**	**2**	**0**	**0**	**49**	**49**
Central HMA	Birmingham	0	0	0	0	0	0	0	0
	Cannock Chase	0	0	0	0	0	0	0	0
	Coventry	0	0	0	0	0	0	1	1
	Dudley	0	0	0	0	0	0	0	0
	Lichfield	0	0	0	0	0	0	1	1
	North Warwickshire	0	0	1	1	0	0	2	2
	Nuneaton & Bedworth	0	0	0	0	0	0	0	0
	Rugby	0	0	0	0	0	0	0	0
	Sandwell	0	0	0	0	0	0	0	0
	Solihull	0	0	0	0	0	0	0	0
	South Staffordshire	0	0	0	0	0	0	0	0
	Tamworth	0	0	1	1	0	0	1	1
	Telford & Wrekin	0	0	1	1	0	0	0	0
	Walsall	0	0	1	1	0	0	1	1
	Wolverhampton	0	0	0	0	0	0	1	1
	Total	**0**	**0**	**4**	**4**	**0**	**0**	**7**	**7**
South HMA	Bromsgrove	0	0	0	0	0	0	0	0
	Malvern Hills	0	0	1	1	0	0	11	11
	Redditch	0	0	0	0	0	0	1	1
	Stratford on Avon	0	0	2	2	0	0	3	3
	Warwick	0	0	1	1	0	0	0	0
	Worcester	0	0	0	0	0	0	0	0
	Wychavon	0	0	0	0	0	0	0	0
	Wyre Forest	0	0	0	0	0	0	1	1
	Total	**0**	**0**	**4**	**4**	**0**	**0**	**16**	**16**
North HMA	East Staffordshire	0	0	0	0	0	0	1	1
	Newcastle under Lyme	0	0	1	1	0	0	4	4
	Stafford	0	0	0	0	0	0	3	3
	Staffordshire Moorlands	0	0	0	0	0	0	7	7
	Stoke on Trent *	0	0	0	0	0	0	0	0
	Total	**0**	**0**	**1**	**1**	**0**	**0**	**15**	**15**