

# Belper Energy Use statistical appendix (Appendix A)

## 1.1. Non-domestic Electricity

Just over three quarters (76.96%) of Amber Valley's non-domestic electricity use in 2009 was either not allocated to a MSOA or was classified as 'half hourly consumption'. The figures below represent the smaller non-domestic premises where there is no requirement for 'half hourly consumption' meters.

MSOA code	total non-domestic electricity (kWh)	total non-domestic electricity meters	average non-domestic electricity consumption (kWh)
E02004035	5,779,219	221	26,200
E02004037	724,200	37	19,521
E02004038	9,795,888	471	20,876
E02004039	1,877,653	88	21,281
<b>Total</b>	<b>18,176,960</b>	<b>817</b>	<b>22,239</b>

## 1.2. Non-domestic gas

There are no such uncertainties or calculated assumptions with the data relating to gas use:

MSOA code	Non-domestic gas consumption	Non-domestic number of meters	Average Non-domestic consumption
E02004035	6,467,848	20	323,392
E02004037	9,095,441	6	1,515,907
E02004038	26,564,560	56	474,367
E02004039	6,252,089	11	568,372
<b>Total</b>	<b>48,379,938</b>	<b>93</b>	<b>520,214</b>

### 1.3. Domestic Electricity

Domestic electricity and gas are broken down into usage by LLSOA and summarised to MLSOA. MLSOA totals are highlighted in gold. LLSOAs falling in Belper wards are highlighted in yellow.

LLSOA and MSOA codes	Ordinary domestic consumption	Economy 7 consumption	Ordinary domestic number of meters	Economy 7 number of meters	Ordinary domestic average consumption	Economy 7 average consumption
E01019405	748,214	2,994,569	148	381	5,056	7,860
E01019414	1,111,331	2,167,428	308	440	3,608	4,926
E01019428	1,350,126	1,749,367	321	341	4,206	5,130
E01019430	1,664,709	1,844,004	444	394	3,749	4,680
<b>E02004035</b>	<b>4,874,379</b>	<b>8,755,368</b>	<b>1,221</b>	<b>1,556</b>	<b>3,992</b>	<b>5,627</b>
E01019408	1,259,255	1,293,583	344	308	3,661	4,200
E01019409	1,245,906	1,704,120	356	378	3,500	4,508
E01019412	872,262	1,957,559	202	423	4,318	4,628
E01019413	909,337	1,385,578	226	360	4,024	3,849
E01019416	1,068,941	1,436,683	328	345	3,259	4,164
<b>E02004037</b>	<b>5,355,700</b>	<b>7,777,523</b>	<b>1,456</b>	<b>1,814</b>	<b>3,678</b>	<b>4,287</b>
E01019407	1,691,575	2,932,357	570	621	2,968	4,722
E01019415	1,414,201	1,479,463	458	372	3,088	3,977
E01019417	1,766,227	1,771,131	518	393	3,410	4,507
E01019419	1,902,191	1,919,902	557	413	3,415	4,649
<b>E02004038</b>	<b>6,774,194</b>	<b>8,102,853</b>	<b>2,103</b>	<b>1,799</b>	<b>3,221</b>	<b>4,504</b>
E01019410	615,413	1,743,585	179	445	3,438	3,918
E01019411	985,948	1,842,014	269	429	3,665	4,294
E01019418	1,556,952	1,141,052	450	248	3,460	4,601
E01019447	1,174,059	1,507,123	342	339	3,433	4,446
E01019449	1,251,111	1,696,501	347	383	3,606	4,430
<b>E02004039</b>	<b>5,583,482</b>	<b>7,930,274</b>	<b>1,587</b>	<b>1,844</b>	<b>3,518</b>	<b>4,301</b>
<b>TOTAL</b>	<b>22,587,756</b>	<b>32,566,018</b>	<b>6,367</b>	<b>7,013</b>	<b>3,548</b>	<b>4,644</b>

## 1.4. Domestic gas

248 gas meters have not been allocated to LSOAs but they have, helpfully, been allocated to MSOAs. Once again, MSOA totals are highlighted:

LLSOA and MLSOA codes	Domestic gas consumption	Domestic gas number of meters	Average domestic gas consumption
Unallocated	143,545	12	11,962
E01019430	12,933,565	760	17,018
E01019428	9,038,729	557	16,228
E01019414	12,804,964	685	18,693
E01019405	3,761,223	148	25,414
<b>E02004035</b>	<b>38,682,026</b>	<b>2,162</b>	<b>17,892</b>
Unallocated	310,833	16	19,427
E01019416	10,272,444	640	16,051
E01019413	7,745,548	573	13,518
E01019412	9,603,360	554	17,335
E01019409	10,428,341	683	15,268
E01019408	9,862,298	603	16,355
<b>E02004037</b>	<b>48,222,824</b>	<b>3,069</b>	<b>15,713</b>
Unallocated	1,489,226	124	12,010
E01019419	13,405,671	885	15,148
E01019417	10,399,057	799	13,015
E01019415	11,406,104	808	14,117
E01019407	16,380,152	1,026	15,965
<b>E02004038</b>	<b>53,080,210</b>	<b>3,642</b>	<b>14,574</b>
E01019447	11,470,365	652	17,593
E01019418	10,134,324	645	15,712
E01019411	8,598,611	623	13,802
E01019410	8,355,521	615	13,586
Unallocated	1,144,287	96	11,920
E01019449	10,442,416	693	15,068
<b>E02004039</b>	<b>50,145,524</b>	<b>3,324</b>	<b>15,086</b>
<b>Total</b>	<b>190,130,584</b>	<b>12,197</b>	<b>15,588</b>

## 2.1 Non-domestic electricity CO<sub>2</sub>e:

MLSOA code	total non-domestic electricity (kWh)	total non-domestic electricity meters	average non-domestic electricity consumption (kWh)	CO <sub>2</sub> (X 0.54522 kg)	Ave kg CO <sub>2</sub> per meter
E02004035	5,779,219	221	26,200	3,150,946	14,246
E02004037	724,200	37	19,521	394,849	10,615
E02004038	9,795,888	471	20,876	5,340,914	11,351
E02004039	1,877,653	88	21,281	1,023,734	11,571
<b>Total</b>	<b>18,176,960</b>	<b>817</b>	<b>22,239</b>	<b>9,910,442</b>	<b>12,125</b>

## 2.2 Non-domestic gas CO<sub>2</sub>e:

MLSOA code	Non-domestic gas consumption	Non-domestic number of meters	Average Non-domestic consumption	CO <sub>2</sub> (X 0.18523 kg)	Ave kg CO <sub>2</sub> per meter
E02004035	6,467,848	20	323,392	1,198,039	59,902
E02004037	9,095,441	6	1,515,907	1,684,749	280,791
E02004038	26,564,560	56	474,367	4,920,553	87,867
E02004039	6,252,089	11	568,372	1,158,074	105,279
<b>Total</b>	<b>48,379,938</b>	<b>93</b>	<b>520,214</b>	<b>8,961,416</b>	<b>96,359</b>

## 2.3 Domestic electricity CO<sub>2</sub>e:

LLSOA and MLSOA codes	total meters	total electricity	ave total use	CO <sub>2</sub> (X 0.54522 kg)	Ave kg CO <sub>2</sub> per meter
E01019405	529	3,742,783	7,075	2,040,640	3858
E01019414	748	3,278,758	4,383	1,787,645	2390
E01019428	662	3,099,493	4,682	1,689,906	2553
E01019430	838	3,508,713	4,187	1,913,021	2283
<b>E02004035</b>	<b>2,777</b>	<b>13,629,747</b>	<b>4,908</b>	<b>7,431,211</b>	<b>2676</b>
E01019408	652	2,552,838	3,915	1,391,858	2135
E01019409	734	2,950,026	4,019	1,608,413	2191
E01019412	625	2,829,820	4,528	1,542,875	2469
E01019413	586	2,294,915	3,916	1,251,234	2135
E01019416	673	2,505,624	3,723	1,366,116	2030
<b>E02004037</b>	<b>3,270</b>	<b>13,133,223</b>	<b>4,016</b>	<b>7,160,496</b>	<b>2190</b>
E01019407	1,191	4,623,933	3,882	2,521,060	2117
E01019415	830	2,893,664	3,486	1,577,683	1901
E01019417	911	3,537,358	3,883	1,928,638	2117
E01019419	970	3,822,093	3,940	2,083,882	2148
<b>E02004038</b>	<b>3,902</b>	<b>14,877,047</b>	<b>3,813</b>	<b>8,111,264</b>	<b>2079</b>
E01019410	624	2,358,998	3,780	1,286,173	2061
E01019411	698	2,827,961	4,052	1,541,861	2209
E01019418	698	2,698,004	3,865	1,471,006	2107
E01019447	681	2,681,181	3,937	1,461,834	2147
E01019449	730	2,947,612	4,038	1,607,097	2202
<b>E02004039</b>	<b>3,431</b>	<b>13,513,756</b>	<b>3,939</b>	<b>7,367,971</b>	<b>2147</b>
<b>TOTAL</b>	<b>13,380</b>	<b>55,153,773</b>	<b>4,122</b>	<b>30,070,942</b>	<b>2247</b>

## 2.4 Domestic gas CO<sub>2</sub>e:

LLSOA and MLSOA codes	Domestic gas consumption	Domestic gas number of meters	Average domestic gas consumption	CO <sub>2</sub> (X 0.18523 kg)	Ave kg CO <sub>2</sub> per meter
Unallocated	143,545	12	11,962	26,589	2,216
E01019430	12,933,565	760	17,018	2,395,684	3,152
E01019428	9,038,729	557	16,228	1,674,244	3,006
E01019414	12,804,964	685	18,693	2,371,863	3,463
E01019405	3,761,223	148	25,414	696,691	4,707
<b>E02004035</b>	<b>38,682,026</b>	<b>2,162</b>	<b>17,892</b>	<b>7,165,072</b>	<b>3,314</b>
Unallocated	310,833	16	19,427	57,576	3,599
E01019416	10,272,444	640	16,051	1,902,765	2,973
E01019413	7,745,548	573	13,518	1,434,708	2,504
E01019412	9,603,360	554	17,335	1,778,830	3,211
E01019409	10,428,341	683	15,268	1,931,642	2,828
E01019408	9,862,298	603	16,355	1,826,793	3,030
<b>E02004037</b>	<b>48,222,824</b>	<b>3,069</b>	<b>15,713</b>	<b>8,932,314</b>	<b>2,910</b>
Unallocated	1,489,226	124	12,010	275,849	2,225
E01019419	13,405,671	885	15,148	2,483,132	2,806
E01019417	10,399,057	799	13,015	1,926,217	2,411
E01019415	11,406,104	808	14,117	2,112,753	2,615
E01019407	16,380,152	1,026	15,965	3,034,096	2,957
<b>E02004038</b>	<b>53,080,210</b>	<b>3,642</b>	<b>14,574</b>	<b>9,832,047</b>	<b>2,700</b>
E01019447	11,470,365	652	17,593	2,124,656	3,259
E01019418	10,134,324	645	15,712	1,877,181	2,910
E01019411	8,598,611	623	13,802	1,592,721	2,557
E01019410	8,355,521	615	13,586	1,547,693	2,517
Unallocated	1,144,287	96	11,920	211,956	2,208
E01019449	10,442,416	693	15,068	1,934,249	2,791
<b>E02004039</b>	<b>50,145,524</b>	<b>3,324</b>	<b>15,086</b>	<b>9,288,455</b>	<b>2,794</b>
<b>Total</b>	<b>190,130,584</b>	<b>12,197</b>	<b>15,588</b>	<b>35,217,888</b>	<b>2,887</b>

## 2.5 Summary:

		No of meters	energy use (kWh)	average use (kWh)	CO <sub>2</sub> emissions (kg)	Ave kg CO <sub>2</sub> per meter (kg)
Non-domestic	electricity	817	18,176,960	22,239	9,910,442	12,130
	gas	93	48,379,938	520,214	8,961,416	96,359
Domestic	electricity	13,380	55,153,777	4,122	30,070,942	2,247
	gas	12,197	190,130,584	15,588	35,217,888	2,887
Total	non-domestic	10.62% use gas	66,556,898		18,871,858	
	domestic	91.16% use gas	245,284,361	18,332	65,288,830	4,880
<b>Total</b>			<b>311,841,259</b>		<b>84,160,688</b>	