

## ELECTRICITY UNDERTAKINGS

### INTRODUCTORY

The following report relates to Electricity Undertakings operated by companies or local authorities for public supply and to those maintained by railway and tramway companies and authorities for their own purposes.

For the year 1935 the London Passenger Transport Board has been included with Local Authorities. That Board is responsible for the operation of certain tramway and electric railway services that were under the control of tramway and railway companies in 1930; this fact must be borne in mind when comparing for the two years the aggregates for Companies and Local Authorities, respectively.

As the result of the trading operations now carried out by the Central Electricity Board, the current generated at selected undertakings is regarded as transferred to the Board and re-purchased by those undertakings for distribution to consumers. Current generated under the direction of the Board in 1935 was recorded twice in the value of the gross output of the undertakings concerned and was also included as a purchase in the cost of materials used. This factor affects comparisons between the figures given for 1935 and those for 1930 and 1924 in respect of the value of the gross output and the total cost of materials used, and tends to reduce the net output in 1935 compared with the previous years.

**Table I A.—General summary**

Particulars	Unit	Companies	Local Authorities	Total	
Value of products (Gross output)† ... ..	1935	£'000	42,138	63,648	105,786
	1930	"	27,125	36,347	63,472
	1924	"	15,369	25,570	40,939
Cost of materials, fuel and electricity used † ... ..	1935	"	22,308	33,808	56,116
	1930	"	10,916	13,080	23,996
	1924	"	6,366	10,363	16,729
Net output ... ..	1935	"	19,830	29,840	49,670
	1930	"	16,209	23,267	39,476
	1924	"	9,003	15,207	24,210
Average number of persons employed ... ..	1935	No.	39,898	63,047	102,945
	1930	"	31,252	47,423	78,675
	1924	"	17,105	32,683	49,788
Net output per person employed ... ..	1935	£	497	473	482
	1930	"	519	491	502
	1924	"	526	465	486
Number of returns ... ..	1935	No.	229	318	547
	1930	"	212	288	500
	1924	"	174	263	437
Number of establishments ‡ ... ..	1935	"	254	349	603
	1930	"	452	521	973
	1924	"	*	*	*

\* Not available.

† See introductory note, page I

**Table I B.—Undertakings employing not more than ten persons on the average**

Particulars	1935	1930	1924
Number of returns received ... ..	No. 86	No. 279	No. 226
Average number of persons employed :—			
Males ... ..	275	1,181	1,067
Females ... ..	14	42	38
TOTAL ... ..	289	1,223	1,105
Number of undertakings not making returns ... ..	4	37	—

In 1924 the value of the gross output of the small undertakings was 4.7 per cent. of the total.

Table II.—Size of establishments in 1935

Size of establishment (average number employed)	Number of establishments	Gross output	Net output	Number of persons employed	Net output per person employed
11-24 ... ..	136	2,102	1,102	2,362	467
25-49 ... ..	123	3,470	1,871	4,327	432
50-99 ... ..	114	7,779	3,844	8,149	472
100-199 ... ..	84	12,393	6,172	11,691	528
200-299 ... ..	65	16,394	7,450	15,538	479
300-399 ... ..	23	10,180	4,359	7,905	551
400-499 ... ..	17	7,653	2,899	7,534	385
500-749 ... ..	20	12,607	5,619	12,151	462
750-999 ... ..	8	6,265	3,214	6,790	473
1,000-1,499 ... ..	6	7,680	3,360	7,219	465
1,500 and over ... ..	7	19,263	9,780	19,279	507
<b>TOTAL</b> ... ..	<b>603</b>	<b>105,786</b>	<b>49,670</b>	<b>102,945</b>	<b>482</b>

Table III.—Particulars of output, etc., in each of the principal areas of the United Kingdom

Area*	Number of establishments†	Gross output	Net output	Number of persons employed	Net output per person employed
1 ... ..	1935 113	36,270	16,867	31,393	537
1 ... ..	1930 89	21,962	12,360	23,821	519
2 ... ..	1935 76	15,582	7,093	14,406	492
2 ... ..	1930 69	9,446	5,816	12,264	474
3 ... ..	1935 46	8,276	4,013	8,001	502
3 ... ..	1930 31	4,680	3,105	7,433	418
4 ... ..	1935 15	3,445	2,422	4,121	588
4 ... ..	1930 15	3,257	2,337	3,657	639
5 ... ..	1935 36	9,208	3,928	7,677	512
5 ... ..	1930 27	5,584	3,398	6,570	517
6 ... ..	1935 20	5,023	2,235	4,483	499
7 ... ..	1935 16	2,321	939	2,058	456
8 ... ..	1935 75	5,679	2,471	7,385	335
9 ... ..	1935 55	3,877	1,797	5,313	338
10 ... ..	1935 39	4,020	1,965	5,052	389
11 ... ..	1935 10	360	176	417	423
6 to 11 ... ..	1935 215	21,280	9,583	24,708	388
6 to 11 ... ..	1930 185	11,081	7,274	15,670	464
12 ... ..	1935 30	2,404	1,149	2,730	421
12 ... ..	1930 24	1,393	931	2,004	465
13 ... ..	1935 18	963	515	1,031	500
13 ... ..	1930 12	441	272	515	528
14 ... ..	1935 14	3,882	1,684	3,696	456
14 ... ..	1930 13	2,935	2,015	3,466	581
15 ... ..	1935 13	2,626	1,518	2,131	712
16 ... ..	1935 7	586	310	601	516
17 ... ..	1935 13	440	271	620	438
15 to 17 ... ..	1935 33	3,652	2,099	3,352	626
15 to 17 ... ..	1930 28	2,225	1,647	2,620	629
18 ... ..	1935 7	815	317	1,830	173
18 ... ..	1930 7	468	321	655	490
<b>TOTAL</b> ... ..	<b>1935 603</b>	<b>105,786</b>	<b>49,670</b>	<b>102,945</b>	<b>482</b>
<b>TOTAL</b> ... ..	<b>1930 500</b>	<b>63,472</b>	<b>39,476</b>	<b>78,675</b>	<b>502</b>

\* For particulars see page xviii.  
† Number of returns for 1930.

## PRODUCTION

Table IV A.—Total quantity of electricity generated (including current used in the generating stations)

Electricity generated	Public supply undertakings		Transport undertakings		Total
	Companies	Local Authorities	Companies	Local Authorities	
	Mill. B.T.U. (Kw.-hrs.)	Mill. B.T.U. (Kw.-hrs.)	Mill. B.T.U. (Kw.-hrs.)	Mill. B.T.U. (Kw.-hrs.)	Mill. B.T.U. (Kw.-hrs.)
Under direction of Central Electricity Board ... 1935	6,616	8,862	—	—	15,478
Independently by undertakers ... 1935	1,667	973	354	894	3,888
<b>TOTAL</b> ... { 1935 8,283	8,283	9,835	354	894	19,366
... { 1930 4,700	4,700	6,401	865	332	12,304

Table IV B.—Electricity supplied and work done for consumers for which a direct charge was made

Electricity supplied and work done	1935			1930	
	Quantity	Value	Entries	Quantity	Value
	Mill. B.T.U. (Kw.-hrs.)	£'000	No.	Mill. B.T.U. (Kw.-hrs.)	£'000
Electricity supplied for:—					
Lighting (separately metered):—					
Companies ... ..	472.4	7,309	201		
Local Authorities ... ..	1,020.2	13,959	287		
<b>Total</b> ... ..	<b>1,492.6</b>	<b>21,268</b>	<b>...</b>		
Heating and cooking (separately metered):—					
Companies ... ..	171.3	808	185		
Local Authorities ... ..	524.0	1,773	267		
<b>Total</b> ... ..	<b>695.3</b>	<b>2,581</b>	<b>...</b>		
Combined lighting, heating and cooking supplies (not separately metered):—					
Companies ... ..	744.9	5,588	188		
Local Authorities ... ..	1,666.2	8,214	269		
<b>Total</b> ... ..	<b>2,411.1</b>	<b>13,802</b>	<b>...</b>		
Heating, lighting and cooking, unclassified:—					
Companies ... ..	103.6	1,102	10		
Local Authorities ... ..	679.5	4,367	21		
<b>Total</b> ... ..	<b>783.1</b>	<b>5,469</b>	<b>...</b>		
<b>Total for lighting, heating and cooking:—</b>					
Companies ... ..	1,492.2	14,807	...	787.1	10,360
Local Authorities ... ..	3,889.9	28,313	...	1,931.8	19,295
<b>Total</b> ... ..	<b>5,382.1</b>	<b>43,120</b>	<b>...</b>	<b>2,718.9</b>	<b>29,655</b>
Power:—					
Companies ... ..	3,343.9	8,920	215	2,310.6	7,489
Local Authorities ... ..	4,902.4	13,752	310	3,027.8	10,814
<b>Total</b> ... ..	<b>8,246.3</b>	<b>22,672</b>	<b>...</b>	<b>5,338.4</b>	<b>18,303</b>
Public lighting:—					
Companies ... ..	41.3	305	184	23.2	217
Local Authorities ... ..	227.4	1,034	308	144.4	952
<b>Total</b> ... ..	<b>268.7</b>	<b>1,339</b>	<b>...</b>	<b>167.6</b>	<b>1,169</b>

Traction :—					
Companies ... ..	714.8	1,406	31	1,007.5	2,383
Local Authorities ... ..	1,287.2	3,170	95	797.2	2,716
Total ... ..	2,002.0	4,576	...	1,804.7	5,099
TOTAL—Supplies to consumers :—					
Companies ... ..	5,592.2	25,438	...	4,128.4	20,449
Local Authorities ... ..	10,306.9	40,269	...	5,901.2	33,777
TOTAL ... ..	15,899.1	71,707	...	10,029.6	54,226
Bulk supplies to the Central Electricity Board† :—					
Companies ... ..	6,413.7	8,244	27	—	—
Local Authorities ... ..	8,488.6	12,438	103	—	—
Total ... ..	14,902.3	20,682	...	—	—
Bulk supplies to other authorised undertakings† :—					
Companies ... ..	3,020.9	6,713	80	2,223.5	5,632
Local Authorities ... ..	1,512.4	2,918	89	585.7	1,358
Total ... ..	4,533.3	9,631	...	2,809.2	6,990
Miscellaneous and unclassified supplies (e.g. to non-statutory undertakings) :—					
Companies ... ..	—	—	—	111.5	422
Local Authorities ... ..	—	—	—	43.0	242
Total ... ..	—	—	—	154.5	664
Work done for consumers for which a direct charge was made† :—		Amount received	No.		Amount received
		£'000			£'000
On consuming devices beyond the meter (current consuming apparatus, fittings and wiring on customers' premises) :—					
Companies ... ..	...	1,343	155	...	480
Local Authorities ... ..	...	1,239	236	...	595
Total ... ..	...	2,582	...	...	1,075
On public lamps :—					
Companies ... ..	...	127	76	...	45
Local Authorities ... ..	...	444	222	...	214
Total ... ..	...	571	...	...	259
Other work :—					
Companies ... ..	...	273	66	...	97
Local Authorities ... ..	...	340	156	...	161
Total ... ..	...	613	...	...	258
TOTAL—Work done for consumers for which a direct charge was made :—					
Companies ... ..	...	1,743	...	...	622
Local Authorities ... ..	...	2,023	...	...	970
TOTAL ... ..	...	3,766	...	...	1,592
TOTAL :—					
Companies ... ..	...	42,138	...	...	27,125
Local Authorities ... ..	...	63,048	...	...	36,347
TOTAL ... ..	...	105,786	...	...	63,472

\* Not recorded separately.

† These figures are already included in entries against preceding headings of this table, in so far as current was purchased for re-distribution by authorised undertakings employing more than ten persons on the average. The total current purchased was recorded as follows (see Table VII A) :—

	1935	1930
	Mill. B.T.U.	Mill. B.T.U.
From Central Electricity Board ... ..	14,705	—
From Authorised Undertakings ... ..	5,411	2,936
From other sources ... ..	203	—
Total ... ..	20,319	2,936

‡ The total figures recorded for 1930 have been split between this table and Table IV D on the basis of the proportions recorded separately for 1935.

**Table IV C.**—The figures shown in the above table include electricity supplied by generating, distributing and transport undertakings. The total quantity and value of electricity sold by each of these classes of undertaking were as follows :—

Kind of undertaking	Companies		Local Authorities		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
	Million B.T.U. (Kw.-hrs.)	£'000	Million B.T.U. (Kw.-hrs.)	£'000	Million B.T.U. (Kw.-hrs.)	£'000
Generating :—						
Independent ... ..	1,769.4	6,967	1,815.6	8,488	3,585.0	15,455
Under Central Electricity Board ... ..	11,069.3	23,282	16,196.1	43,970	27,265.4	67,252
Total—Generating ... ..	12,838.7	30,249	18,011.7	52,458	30,850.4	82,707
Distributing ... ..	4,737.4	19,186	5,776.4	31,429	10,513.8	50,615
only ... ..	1,880.7	9,468	1,532.2	7,570	3,412.9	17,044
Transport* ... ..	932.7	5,205	458.6	3,176	1,391.3	8,381
	1935	307.4	678	764.0	1,591	1,071.4
	1930	793.3	2,112	294.9	772	1,088.2
TOTAL ... ..	15,026.8	40,395	20,307.9	61,625	35,334.7	102,020
	1930	6,463.4	26,503	6,529.9	35,377	12,993.3

\* See Introductory note (page 38).

**Electricity supplied by industrial firms.** The following particulars were recorded by industrial firms in respect of electricity supplied by them to their other factories (i.e., establishments situated apart from the works at which the current was generated) or to outside consumers :—

	Mill. B.T.U. (Kw.-hrs.)	£'000
1935 ... ..	1,770	2,466
1930 ... ..	800	1,594

Particulars of electricity generated by industrial firms and used in the same works are given in the tables for each trade (Table X B) and are summarised for groups of trades in each General Report (Table IX).

**Table IV D.**—Work of construction, maintenance and repair carried out by employees of Electricity Undertakings

Kind of work done	Value of work done*		1930
	1935	1930	
	Value	Entries	
	£'000	No.	£'000
Work connected with the generation of electricity :—			
On buildings :—			
New construction (including enlargement of existing buildings) :—			
Companies ... ..	61	63	274
Local Authorities ... ..	64	50	111
Total ... ..	125	...	385
Repairs and renewals :—			
Companies ... ..	78	127	118
Local Authorities ... ..	153	195	192
Total ... ..	231	...	310
Unclassified :—			
Companies ... ..	—	—	27
Local Authorities ... ..	—	—	2
Total ... ..	—	—	29

On engines and boilers :—			
Companies :—			
Installation ... ..	29	31	} 571
Repair and maintenance ... ..	400	114	
Local Authorities :—			
Installation ... ..	41	32	} 948
Repair and maintenance ... ..	764	187	
Total ... ..	1,234	...	1,519
On dynamos, switchboards, instruments, other machinery and tools :—			
Companies :—			
Installation ... ..	58	56	} 306
Repair and maintenance ... ..	195	122	
Local Authorities :—			
Installation ... ..	54	44	} 455
Repair and maintenance ... ..	447	176	
Total ... ..	754	...	761
Work on plant, unclassified :—			
Companies ... ..	—	—	338
Local Authorities ... ..	—	—	228
Total ... ..	—	—	566
Work on buildings and plant, unclassified :—			
Companies ... ..	—	—	157
Local Authorities ... ..	—	—	33
Total ... ..	—	—	190
Work connected with transmission and distribution of electricity :—			
On mains and on apparatus at distributing stations :—			
Companies :—			
Installation ... ..	5,009	185	} 4,065
Repair and maintenance ... ..	1,033	203	
Local authorities :—			
Installation ... ..	6,544	261	} 6,148
Repair and maintenance ... ..	2,030	290	
Total ... ..	14,616	...	10,213
On all apparatus at consumers' premises up to and including meters :—			
Companies ... ..	976	193	636
Local Authorities ... ..	2,306	289	1,612
Total ... ..	3,282	...	2,248
Unclassified :—			
Companies ... ..	20	...	318
Local Authorities ... ..	58	...	254
Total ... ..	78	...	572
Work done for consumers for which no direct charge was made† :—			
On consuming devices beyond the meter (current-consuming apparatus, fittings and wiring on consumers' premises) :—			
Companies ... ..	444	159	159
Local Authorities ... ..	1,944	228	890
Total ... ..	2,388	...	1,049
On public lamps :—			
Companies ... ..	86	130	31
Local Authorities ... ..	209	130	97
Total ... ..	295	...	128
Other work done :—			
Companies ... ..	317	77	146
Local Authorities ... ..	490	114	268
Total ... ..	807	...	414
TOTAL—Work of construction maintenance and repair :—			
Companies ... ..	8,706	...	7,146
Local Authorities ... ..	15,104	...	11,238
TOTAL ... ..	23,810	...	18,384

\* These values represent sums calculated to cover wages, salaries and the cost of materials used, together with an allowance for general establishment charges.

† See note (‡) to Table IVB.

Table V.—Average values of electricity supplied

Note.—Transport undertakings are excluded for each year.

Electricity supplied	Companies			Local Authorities		
	1935	1930	1935 as a percentage of 1930	1935	1930	1935 as a percentage of 1930
	d. per unit	d. per unit	Per cent.	d. per unit	d. per unit	Per cent.
Electricity supplied for :—						
Lighting (separately metered) ... ..	3.833	} 3.227	74.8	3.284	} 2.398	73.2
Heating and cooking (separately metered) ... ..	1.131			0.812		
Combined lighting, heating and cooking, not separately recorded ... ..	1.812			1.193		
Heating, lighting and cooking, unclassified ... ..	2.555			1.543		
Total for lighting, heating and cooking ... ..	2.413	3.227	74.8	1.755	2.398	73.2
Power ... ..	0.641	0.777	82.5	0.675	0.858	78.7
Public lighting ... ..	1.798	2.431	74.0	1.091	1.581	69.0
Traction ... ..	0.462	0.536	86.1	0.697	0.918	75.9
Bulk supplies to the Central Electricity Board ... ..	0.309	—	—	0.352	—	—
Bulk supplies to other authorized undertakings ... ..	0.533	0.608	87.7	0.463	0.556	83.3

Table VI.—Volume of Production, 1924-1935

The particulars of electricity supplied in bulk have been omitted since the greater part of this electricity is duplicated elsewhere.

Electricity supplied and work done	Total production			Production index (1935=100)	
	1935 as returned	1930		1924	1930
		As returned	At 1935 average values		
	£'000	£'000	£'000	Per cent.	Per cent.
Electricity supplied for :—					
Lighting, heating and cooking ... ..	43,120	29,655	21,827	25	51
Power ... ..	22,672	18,303	14,666	25	65
Public Lighting ... ..	1,339	1,169	814	29	61
Traction ... ..	4,576	5,099	4,111	70*	90
Miscellaneous and unclassified supplies ... ..	—	664	507	...	...
Work done for consumers for which a direct charge was made ... ..	3,766	1,592	1,400	17	37
TOTAL ... ..	75,473	56,482	43,325	27	57

\* Including electricity generated for traction by railway companies.

## MATERIALS AND FUEL

Table VII A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	1935		1930
	Quantity	Cost	Cost
	Mill. B.T.U. (Kw.-hrs.)	£'000	£'000
Electricity purchased :—			
From Central Electricity Board ... ..	14,705	23,523	23,996
From Authorised Undertakings* ... ..	5,411	8,955	
From other sources ... ..	203	285	
Total—Electricity purchased ... ..	20,319	32,763	
Coal, coke and heavy fuel oil used for all purposes :—	Th. tons		
Coal ... ..	12,435.1	8,873	
Coke ... ..	188.7	79	
Heavy fuel oil ... ..	Th. galls.	103	
5,480			
All other purchased materials and fuel used in connection with the output recorded in Table IV B...		2,610	
Total ... ..		44,428	
All other purchased materials and fuel used in connection with the output recorded in Table IV D...		11,688	
TOTAL ... ..		56,116	23,996

\* In 1930 the total quantity of electricity purchased in bulk by electricity undertakings was 2,936 million B.T. Units.

Table VII B.—Consumption of coal, coke and electricity

Kind of fuel	1935		1930
	Th. tons	Th. tons	Th. tons
Coal ... ..	12,435.1	9,449.0	
Coke ... ..	188.7	268.6	
Electricity :—	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	
Generated in same works ... ..	942,811	718,683	
Generated in other works under same ownership ... ..	36,132	—	
Purchased ... ..	119,536	20,508	
Total electricity consumed ... ..	1,098,479	739,191	

## EMPLOYMENT

Table VIII A.—Average numbers employed

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
Operatives (average for the year) ... ..	1935 2,321	77,528	17	636	2,338	78,164
... ..	1930 1,921	61,820	19	438	1,940	62,267
Administrative, technical and clerical staff* ... ..	1935 1,107	20,713	437	4,068	1,544	24,781
... ..	1930 846	13,976	226	2,432	1,072	16,408
TOTAL ... ..	1935 3,428	98,241	454	4,704	3,882	102,945
... ..	1930 2,767	75,805	245	2,870	3,012	78,675

\* As at 12th October, 1935, and 18th October, 1930.

Table VIII B. - Operatives employed in one week in each month of 1930 and 1935 by firms furnishing returns in respect of the twelve months ended:—  
(a) December

Mid week of <sup>⊠</sup>	Operatives employed		Monthly index <sup>⚡</sup>	
	1930	1935	1930	1935
January ... ..	23,193	52,688	76.7	96.3
February ... ..	23,306	52,739	77.1	96.4
March ... ..	23,546	52,729	77.9	96.4
April ... ..	23,673	53,198	78.3	97.2
May ... ..	23,607	53,644	78.1	98.1
June ... ..	23,631	53,886	78.2	98.5
July ... ..	23,714	54,307	78.5	99.3
August ... ..	24,141	55,195	79.9	100.9
September ... ..	24,931	55,889	82.5	102.2
October ... ..	25,458	56,737	84.2	103.7
November ... ..	24,879	57,348	82.3	104.8
December ... ..	24,812	58,082	82.1	106.2
Average for the twelve months	24,074	54,704	79.7	100.0
Proportion of total operatives represented	38.66	69.99	...	...

(b) March

Mid week of <sup>‡</sup>	Operatives employed		Monthly index <sup>⚡</sup>	
	1930/1	1935/6	1930/1	1935/6
April ... ..	33,423	17,539	76.6	95.8
May ... ..	33,943	17,699	77.8	96.7
June ... ..	34,490	17,596	79.0	96.1
July ... ..	34,812	17,943	79.8	98.0
August ... ..	34,856	18,060	79.9	98.6
September ... ..	35,069	18,605	80.3	101.6
October ... ..	35,599	18,714	81.6	102.2
November ... ..	35,823	18,987	82.1	103.7
December ... ..	36,118	19,173	82.7	104.7
January ... ..	34,248	18,495	78.5	101.0
February ... ..	34,328	18,344	78.6	100.2
March ... ..	34,492	18,573	79.0	101.4
Average for the twelve months	34,767	18,311	79.7	100.0
Proportion of total operatives represented	55.84	23.43	...	...

<sup>⊠</sup> For the ending date of each week see page xiv.

<sup>⚡</sup> Based on the estimated average for the year 1935 and 1935/6 respectively.

<sup>‡</sup> For the ending date of each week see page xiv, and footnote (⊠) to table XD in the General Report on Public Utility Services.

Table VIII C.—Average numbers employed, 1924-1935

Year	Operatives	Administrative, technical and clerical staff	Total
1924 ... ..	40,701	9,087	49,788
1930 ... ..	62,267	16,408	78,675
1935 ... ..	78,164	24,781	102,945

Note:— The numbers employed in 1924 are understated in relation to subsequent years as they exclude persons employed in railway generating stations. The average number so employed was 1,383 in 1930, and was probably somewhat greater in 1924.

## WAGES

Table IX.—Wages paid by undertakings furnishing returns of wages in 1935

The aggregate amount of wages paid by undertakings furnishing returns of wages was £8,990,000 in 1935, representing 27.4 per cent. of their net output. The figures given below indicate the size of the sample and the extent to which it is representative. Corresponding figures for the year 1930 are not available.

Undertakings furnishing returns of wages	Aggregate	Proportion of trade
Gross output ... ..	£'000	Per cent.
Net output ... ..	70,518	66.7
	32,829	66.1
Operative staff employed:—	No.	
During mid-week of October:—		
Males ... ..	55,038	68.9
Females ... ..	497	75.8
Total ... ..	55,535	69.0
Average for the year... ..	53,905	69.0
Administrative, technical and clerical staff ... ..	16,644	67.2
Number of establishments ... ..	397	65.8

## COUNTRY TABLES (1935)

## COMPANIES

Note:— No production was recorded by companies in Northern Ireland.

Table I.—General summary

Particulars	Unit	England and Wales	Scotland	Great Britain
Value of products (Gross output) ...	£'000	39,329	2,809	42,138
Cost of materials, fuel and electricity used ...	"	20,859	1,449	22,308
Net output ... ..	"	18,470	1,360	19,830
Average number of persons employed ...	No.	37,302	2,596	39,898
Net output per person employed ...	£	495	524	497
Number of returns... ..	No.	208	21	229
Number of establishments ... ..	"	233	21	254

Table II A.—Total quantity of electricity generated (including current used in the generating stations)

Electricity generated	England and Wales	Scotland	Great Britain
	Mill. B.T.U. (Kw.-hrs.)	Mill. B.T.U. (Kw.-hrs.)	Mill. B.T.U. (Kw.-hrs.)
Under direction of Central Electricity Board:—			
Public supply undertakings ... ..	6,271	345	6,616
Transport undertakings ... ..	—	—	—
Total ... ..	6,271	345	6,616
Independently by undertakers:—			
Public supply undertakings ... ..	1,214	453	1,667
Transport undertakings ... ..	354	—	354
Total ... ..	1,568	453	2,021
TOTAL—Public supply undertakings ... ..	7,485	798	8,283
Transport undertakings ... ..	354	—	354

Table II B.—Electricity supplied and work done for consumers for which a direct charge was made

Electricity supplied and work done	Unit	England and Wales	Scotland	Great Britain
Electricity supplied for:—	Mill. B.T.U. (Kw.-hrs.)			
Lighting (separately metered... ..)	£'000	465.0	7.4	472.4
Heating and cooking (separately metered) ... ..	£'000	7,136	173	7,309
Combined lighting, heating and cooking supplies (not separately metered) ... ..	£'000	168.5	2.8	171.3
Heating, lighting and cooking, unclassified ... ..	£'000	789	19	808
Total for lighting, heating and cooking ... ..	£'000	662.4	82.5	744.9
Power ... ..	£'000	4,989	599	5,588
Public lighting ... ..	£'000	103.6	—	103.6
Traction ... ..	£'000	1,102	—	1,102
Total—Supplies to consumers ... ..	£'000	1,399.5	92.7	1,492.2
Bulk supplies to the Central Electricity Board ... ..	£'000	14,016	791	14,807
Bulk supplies to other authorized undertakings ... ..	£'000	2,846.0	497.9	3,343.9
Total—Supplies to consumers ... ..	£'000	8,013	907	8,920
Public lighting ... ..	£'000	35.2	6.1	41.3
Traction ... ..	£'000	270	35	305
Total—Supplies to consumers ... ..	£'000	711.0	3.8	714.8
Bulk supplies to the Central Electricity Board ... ..	£'000	1,391	15	1,406
Bulk supplies to other authorized undertakings ... ..	£'000	4,991.7	600.5	5,592.2
Total—Supplies to consumers ... ..	£'000	23,690	1,748	25,438
Bulk supplies to the Central Electricity Board ... ..	£'000	5,964.3	449.4	6,413.7
Bulk supplies to other authorized undertakings ... ..	£'000	7,661	583	8,244
Total—Supplies to consumers ... ..	£'000	2,804.1	216.8	3,020.9
Bulk supplies to the Central Electricity Board ... ..	£'000	6,273	440	6,713
Bulk supplies to other authorized undertakings ... ..	£'000	—	—	—
Total—Supplies to consumers ... ..	£'000	—	—	—
Amount received				
Amount received				
Amount received				
Work done for consumers for which a direct charge was made:—				
On consuming devices beyond the meter (current consuming apparatus, fittings and wiring on customers' premises) ... ..	£'000	1,310	33	1,343
On public lamps... ..	£'000	125	2	127
Other work ... ..	£'000	270	3	273
TOTAL—VALUE OF ELECTRICITY SUPPLIED AND WORK DONE ... ..	£'000	39,329	2,809	42,138

Table II C.—Work of construction, maintenance, repair carried out by employees of Electricity Companies

Kind of work done	England and Wales	Scotland	Great Britain
	£'000	£'000	£'000
Work connected with the generation of electricity:—			
On buildings:—			
New construction (including enlargement of existing buildings) ... ..	43	18	61
Repairs and renewals ... ..	74	4	78
On engines and boilers:—			
Installation ... ..	24	5	29
Repair and maintenance ... ..	381	19	400
On dynamos, switchboards, instruments, other machinery and tools:—			
Installation ... ..	47	11	58
Repair and maintenance ... ..	185	10	195
Work connected with transmission and distribution of electricity:—			
On mains and on apparatus at distributing stations:—			
Installation ... ..	4,633	376	5,009
Repair and maintenance ... ..	919	114	1,033
On all apparatus at consumers' premises up to and including meters ... ..	917	59	976
Unclassified ... ..	20	—	20
Work done for consumers for which no direct charge was made:—			
On consuming devices beyond the meter (current-consuming apparatus, fittings and wiring on consumers' premises) ... ..	420	24	444
On public lamps ... ..	84	2	86
Other work done ... ..	296	21	317
<b>TOTAL—VALUE OF WORK OF CONSTRUCTION, MAINTENANCE AND REPAIR ...</b>	<b>8,043</b>	<b>663</b>	<b>8,706</b>

Table III A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	Unit	England and Wales	Scotland	Great Britain
Electricity purchased:—				
From Central Electricity Board	Mill. B.T.U. (Kw.-hrs.)	4,873	389	5,262
	£'000	7,698	568	8,266
From Authorized Undertakings	Mill. B.T.U. (Kw.-hrs.)	3,251	159	3,410
	£'000	4,548	266	4,814
From other sources ... ..	Mill. B.T.U. (Kw.-hrs.)	139	1	140
	£'000	162	1	163
<b>Total—Electricity purchased...</b>	Mill. B.T.U. (Kw.-hrs.)	<b>8,263</b>	<b>549</b>	<b>8,812</b>
	£'000	<b>12,408</b>	<b>835</b>	<b>13,243</b>
Coal, coke and heavy fuel oil used for all purposes:—				
Coal ... ..	Th. tons	4,653.3	239.9	4,893.2
	£'000	3,342	167	3,509
Coke ... ..	Th. tons	41.4	—	41.4
	£'000	17	—	17
Heavy fuel oil ... ..	Th. galls.	2,719	291	3,010
	£'000	53	5	58
All other purchased materials and fuel used in connection with the output recorded in Table II B...	£'000	1,073	19	1,092
<b>Total ... ..</b>	£'000	<b>16,893</b>	<b>1,026</b>	<b>17,919</b>
All other purchased materials and fuel used in connection with the output recorded in Table II C...	£'000	3,966	423	4,389
<b>TOTAL ... ..</b>	£'000	<b>20,859</b>	<b>1,449</b>	<b>22,308</b>

Table III B.—Consumption of electricity

Electricity consumed	England and Wales	Scotland	Great Britain
	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Generated in same works ... ..	267,588	13,975	281,563
Generated in other works under same ownership ... ..	672	—	672
Purchased ... ..	85,002	939	85,941
<b>Total ... ..</b>	<b>353,262</b>	<b>14,914</b>	<b>368,176</b>

Table IV A.—Numbers employed in week ended 12th October, 1935

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
<b>England and Wales:—</b>						
Operatives ... ..	1,215	26,886	8	289	1,223	27,175
Administrative, etc.* ... ..	586	8,840	276	2,257	862	11,097
<b>Total ... ..</b>	<b>1,801</b>	<b>35,726</b>	<b>284</b>	<b>2,546</b>	<b>2,085</b>	<b>38,272</b>
<b>Scotland:—</b>						
Operatives ... ..	20	1,867	—	4	20	1,871
Administrative, etc.* ... ..	22	546	32	184	54	730
<b>Total ... ..</b>	<b>42</b>	<b>2,413</b>	<b>32</b>	<b>188</b>	<b>74</b>	<b>2,601</b>
<b>Great Britain:—</b>						
Operatives ... ..	1,235	28,753	8	293	1,243	29,046
Administrative, etc.* ... ..	608	9,386	308	2,441	916	11,827
<b>TOTAL ... ..</b>	<b>1,843</b>	<b>38,139</b>	<b>316</b>	<b>2,734</b>	<b>2,159</b>	<b>40,873</b>

\* Administrative, technical and clerical staff.

Table IV B.—Operatives employed in one week in each month of 1935

Week ended	Males and females		
	England and Wales	Scotland	Great Britain
January 19 ... ..	25,328	1,697	27,025
February 16 ... ..	25,355	1,626	26,981
March 16 ... ..	25,397	1,667	27,064
April 13 ... ..	25,382	1,847	27,229
May 18 ... ..	25,612	1,949	27,561
June 15 ... ..	25,592	1,949	27,541
July 13 ... ..	25,883	1,971	27,854
August 17 ... ..	26,186	2,004	28,190
September 14 ... ..	26,634	1,982	28,616
October 12 ... ..	27,175	1,871	29,046
November 16 ... ..	27,708	1,956	29,664
December 14 ... ..	28,213	1,872	30,085
Average for the twelve months ... ..	26,205	1,866	28,071

Table V.—Companies employing not more than ten persons on the average

Particulars	England and Wales	Scotland	Great Britain
Number of returns received ... ..	No. 8	No. 8	No. 16
Average number of persons employed:—			
Males ... ..	36	35	71
Females ... ..	2	2	4
<b>Total ... ..</b>	<b>38</b>	<b>37</b>	<b>75</b>

## COUNTRY TABLES (1935)

## LOCAL AUTHORITIES

Table I.—General summary

Particulars	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Value of products (Gross output) ... ..	£'000	58,108	4,725	62,833	815
Cost of materials, fuel and electricity used ... ..	"	31,008	2,302	33,310	498
Net output ... ..	"	27,100	2,423	29,523	317
Average number of persons employed ... ..	No.	56,765	4,452	61,217	1,830
Net output per person employed ... ..	£	477	544	482	173
Number of returns ... ..	No.	289	22	311	7
Number of establishments ... ..	"	316	26	342	7

Table II A.—Total quantity of electricity generated (including current used in the generating stations)

Electricity generated	England and Wales	Scotland	Great Britain	Northern Ireland
	Mill. B.T.U. (Kw.-hrs.)	Mill. B.T.U. (Kw.-hrs.)	Mill. B.T.U. (Kw.-hrs.)	Mill. B.T.U. (Kw.-hrs.)
Under direction of Central Electricity Board:—				
Public supply undertakings ... ..	8,114	748	8,862	—
Transport undertakings ... ..	—	—	—	—
Total ... ..	8,114	748	8,862	—
Independently by undertakers:—				
Public supply undertakings ... ..	707	95	802	171
Transport undertakings ... ..	790	104	894	—
Total ... ..	1,497	199	1,696	171
TOTAL—Public supply undertakings ... ..	8,821	843	9,664	171
Transport undertakings ... ..	790	104	894	—

Table II B.—Electricity supplied and work done for consumers for which a direct charge was made

Electricity supplied and work done	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Electricity supplied for:—					
Lighting (separately metered) ... ..	Mill. B.T.U. (Kw.-hrs.)	945.8	60.8	1,006.6	13.6
	£'000	12,993	722	13,715	244
Heating and cooking (separately metered) ... ..	Mill. B.T.U. (Kw.-hrs.)	482.1	33.3	515.4	8.6
	£'000	1,651	95	1,746	27
Combined lighting, heating and cooking supplies (not separately metered) ... ..	Mill. B.T.U. (Kw.-hrs.)	1,556.6	79.9	1,636.5	29.7
	£'000	7,539	487	8,026	188
Heating, lighting and cooking, unclassified ... ..	Mill. B.T.U. (Kw.-hrs.)	494.4	185.1	679.5	—
	£'000	3,545	822	4,367	—
Total — for lighting, heating and cooking ... ..	Mill. B.T.U. (Kw.-hrs.)	3,478.9	359.1	3,838.0	51.9
	£'000	25,728	2,126	27,854	459

Power ... ..	Mill. B.T.U. (Kw.-hrs.)	4,386.8	449.1	4,835.9	66.5
	£'000	12,328	1,210	13,538	214
Public lighting... ..	Mill. B.T.U. (Kw.-hrs.)	199.8	26.5	226.3	1.1
	£'000	906	116	1,022	12
Traction ... ..	Mill. B.T.U. (Kw.-hrs.)	1,141.3	124.7	1,266.0	21.2
	£'000	2,894	225	3,119	51
Total—Supplies to consumers... ..	Mill. B.T.U. (Kw.-hrs.)	9,206.8	959.4	10,166.2	140.7
	£'000	41,856	3,677	45,533	736
Bulk supplies to the Central Electricity Board... ..	Mill. B.T.U. (Kw.-hrs.)	7,762.4	726.2	8,488.6	—
	£'000	11,482	956	12,438	—
Bulk supplies to other authorised undertakings ... ..	Mill. B.T.U. (Kw.-hrs.)	1,475.9	1.4	1,477.3	35.1
	£'000	2,846	3	2,849	69
		Amount received	Amount received	Amount received	Amount received
Work done for consumers for which a direct charge was made:—					
On consuming devices beyond the meter (current consuming apparatus, fittings and wiring on customers' premises) ... ..	£'000	1,193	41	1,234	5
On public lamps ... ..	£'000	424	18	442	2
Other work ... ..	£'000	307	30	337	3
TOTAL—VALUE OF ELECTRICITY SOLD AND WORK DONE ... ..	£'000	58,108	4,725	62,833	815

Table II C.—Work of construction, maintenance, repair carried out by employees of Local Authorities

Kind of work done	England and Wales	Scotland	Great Britain	Northern Ireland
	£'000	£'000	£'000	£'000
Work connected with the generation of electricity:—				
On buildings:—				
New construction ... ..	56	7	63	1
Repairs and renewals ... ..	135	12	147	6
On engines and boilers:—				
Installation ... ..	39	1	40	1
Repair and maintenance ... ..	700	56	756	8
On dynamos, switchboards, instruments, other machinery and tools:—				
Installation ... ..	49	4	53	1
Repair and maintenance ... ..	394	44	438	9
Work connected with transmission and distribution of electricity:—				
On mains and on apparatus at distributing stations:—				
Installation ... ..	5,800	464	6,264	280
Repair and maintenance ... ..	1,774	230	2,004	26
On all apparatus at consumers' premises up to and including meters... ..	2,132	136	2,268	38
Unclassified ... ..	43	15	58	—
Work done for consumers for which no direct charge was made:—				
On consuming devices beyond the meter (current-consuming apparatus, fittings and wiring on consumers' premises) ... ..	1,827	29	1,856	88
On public lamps ... ..	201	1	202	7
Other work done ... ..	467	13	480	10
TOTAL—VALUE OF WORK OF CONSTRUCTION, MAINTENANCE AND REPAIR ... ..	13,617	1,012	14,629	475



Table III A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Electricity purchased :—					
From Central Electricity Board ... ..	Mill. B.T.U. (Kw.-hrs.) £'000	8,637 14,037	806 1,220	9,443 15,257	— —
From Authorized Undertakings ... ..	Mill. B.T.U. (Kw.-hrs.) £'000	1,928 3,995	39 83	1,967 4,078	34 93
From other sources ... ..	Mill. B.T.U. (Kw.-hrs.) £'000	26 92	37 30	63 122	— —
Total—Electricity purchased ... ..	Mill. B.T.U. (Kw.-hrs.) £'000	10,591 18,124	882 1,333	11,473 19,457	34 93
Coal, coke and heavy fuel oil used for all purposes :—					
Coal ... ..	Th. tons £'000	6,724.8 4,790	682.7 459	7,407.5 5,249	134.4 115
Coke ... ..	Th. tons £'000	138.9 58	7.7 3	146.6 61	0.7 1
Heavy fuel oil ... ..	Th. galls. £'000	2,180 39	210 4	2,390 43	80 2
All other purchased materials and fuel used in connection with the output recorded in Table II B ... ..	£'000	1,452	56	1,508	10
Total ... ..	£'000	24,463	1,855	26,318	191
All other purchased materials and fuel used in connection with the output recorded in Table II C ... ..	£'000	6,545	447	6,992	307
TOTAL ... ..	£'000	31,008	2,302	33,310	498

Table III B.—Consumption of electricity

Electricity consumed	England and Wales	Scotland	Great Britain	Northern Ireland
	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Generated in same works ... ..	593,811	57,832	651,643	9,605
Generated in other works under same ownership ... ..	35,460	—	35,460	—
Purchased ... ..	32,768	420	33,188	407
Total ... ..	662,039	58,252	720,291	10,012

Table IV A.—Numbers employed in week ended 12th October, 1935

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
England and Wales :—						
Operatives ... ..	1,092	46,218	8	301	1,100	46,519
Administrative, etc.* ... ..	458	10,223	110	1,368	568	11,591
Total ... ..	1,550	56,441	118	1,669	1,668	58,110
Scotland :—						
Operatives ... ..	31	3,505	1	48	32	3,553
Administrative, etc.* ... ..	21	680	12	146	33	826
Total ... ..	52	4,185	13	194	65	4,379
Great Britain :—						
Operatives ... ..	1,123	49,723	9	349	1,132	50,072
Administrative, etc.* ... ..	479	10,903	122	1,514	601	12,417
TOTAL ... ..	1,602	60,626	131	1,863	1,733	62,489
Northern Ireland :—						
Operatives ... ..	36	1,394	—	14	36	1,408
Administrative, etc.* ... ..	20	424	7	113	27	537
Total ... ..	56	1,818	7	127	63	1,945

\* Administrative, technical and clerical staff.

Table IV B.—Operatives employed in one week in each month of 1935

Week ended	Males and females			
	England and Wales	Scotland	Great Britain	Northern Ireland
January 19 ... ..	44,492	3,588	48,080	1,157
February 16 ... ..	44,376	3,595	47,971	1,247
March 16 ... ..	44,585	3,637	48,222	1,189
April 13 ... ..	43,851	3,743	47,594	1,184
May 18 ... ..	44,080	3,786	47,866	1,210
June 15 ... ..	44,279	3,613	47,892	1,225
July 13 ... ..	44,685	3,616	48,301	1,267
August 17 ... ..	45,312	3,587	48,899	1,308
September 14 ... ..	46,002	3,598	49,600	1,404
October 12 ... ..	46,519	3,553	50,072	1,408
November 16 ... ..	46,725	3,611	50,336	1,421
December 14 ... ..	47,184	3,582	50,766	1,497
Average for the twelve months...	45,174	3,626	48,800	1,293

Table V.—Authorities employing not more than ten persons on the average

Particulars	England and Wales	Scotland	Great Britain	Northern Ireland
Number of returns received ... ..	No. 33	No. 4	No. 37	No. 33
Average number of persons employed :—				
Males ... ..	110	14	124	80
Females ... ..	6	1	7	3
Total ... ..	116	15	131	83