

Subsection 1.—Historical and General Statistics

The growth of the central electric stations industry, has been almost continuous since 1919, when statistics of kilowatt hours generated were first made available. The depression that occurred in the early 1930's resulted in decreased output of power for several years but output soon recovered, the increases in 1940 and 1941 being particularly large, owing to the effect of the War on production.

The central electric stations industry is one that is particularly suited to large-scale operation, because of the huge outlays of capital necessary. Capital invested and total horse-power installed increased almost continuously even during the depression years, mainly because large power projects, planned before the depression, were in process of construction during the early years of the past decade. Off-peak and surplus power, used mainly in electric boilers of pulp and paper plants, grew steadily to a peak of 7,803,000,000 kwh. in 1937 but owing to war requirements for firm power it was reduced in 1940-43, and amounted to only 3,229,426,000 kwh. in 1943.

5.—Summary Statistics of Central Electric Stations, 1930-42

NOTE.—Figures for the years 1917 to 1929 will be found at p. 369 of the 1940 Year Book.

Year	Stations	Capital Invested	Revenue from Sale of Power ¹	Power Equipment Capacity ²	Kilowatt Hours Generated	Customers	Persons Employed	Salaries and Wages
	No.	\$	\$	h.p.	'000	No.	No.	\$
1930.....	587	1,138,200,016	126,038,145	5,401,108	18,093,802	1,607,766	17,857	27,287,443
1931.....	559	1,229,988,951	122,310,730	5,706,757	16,330,867	1,632,792	17,014	26,308,956
1932.....	572	1,335,886,987	121,212,679	6,343,654	16,052,057	1,657,454	15,395	23,261,166
1933.....	575	1,388,532,055	117,532,081	6,616,006	17,338,990	1,666,882	14,717	21,431,877
1934.....	573	1,430,852,166	124,463,613	6,854,161	21,197,124	1,660,079	14,974	21,829,491
1935.....	566	1,459,821,168	127,177,954	7,104,142	23,283,033	1,694,703	15,342	22,519,993
1936.....	561	1,483,116,649	135,865,173	7,119,272	25,402,282	1,740,793	16,087	23,367,091
1937.....	568	1,497,330,231	143,546,643	7,342,085	27,687,645 ³	1,805,995	17,018	25,623,767
1938.....	589	1,545,416,592	144,331,627	7,476,976	26,154,160	1,873,621	17,929	27,148,688
1939.....	611	1,564,603,211	151,880,969	7,607,122	28,338,030	1,941,663	18,848	28,223,376
1940.....	602	1,615,438,140	166,228,773	7,935,867	30,109,283	2,006,508 ³	19,054	28,895,595
1941.....	607	1,641,460,451	186,080,354	8,157,585	33,317,663	2,081,270	19,880	31,647,952
1942.....	616	1,747,891,798	203,914,608	8,613,696	37,355,179	2,125,558	19,764	34,285,870

¹ Excluding duplications. ² Not including auxiliary-plant equipment. ³ Revised since the publication of the 1942 Year Book.

Although the amount of power used by domestic customers or for residential purposes has been between only 4 and 6 p.c. of the total production of central electric stations, this service is exceedingly important. Details of the number of domestic customers served, the kilowatt hours delivered and the costs to the customers, exclusive of direct Dominion, provincial and municipal taxes on such service, are shown in Table 6. The average consumption per customer and average cost per kilowatt hour vary considerably as between municipalities and also as between provinces; there are smaller differences between the average bills.

6.—Summary Statistics of Domestic Service Consumption of Electricity, 1930-42

Year	Customers	Total Consumption	Average Consumption per Customer	Average Charge, per Annum	Average per kwh.
	No.	'000 kwh.	kwh.	\$	cts.
1930.....	1,317,324	1,489,575	1,131	25-90	2-29
1931.....	1,336,721	1,563,704	1,170	26-38	2-25
1932.....	1,357,462	1,639,498	1,208	26-83	2-22
1933.....	1,371,806	1,650,395	1,203	26-21	2-18
1934.....	1,379,153	1,717,090	1,245	26-47	2-13