

spare hydraulic equipment in hydraulic stations. Such equipment is classed as main-plant equipment. The capacities of the equipment are the manufacturers' ratings and, for water wheels and turbines the kilowatt hour capacities vary with the supply of water. The majority of the hydraulic stations are large, serving wide areas over transmission lines, whereas most of the plants with thermal engines are small, serving the needs of the local municipality.

### 7.—Main-Plant Equipment of Central Electric Stations, by Provinces, and Total Auxiliary Equipment, 1945

NOTE.—Kva. means kilo-volt-amperes.

Type of Equipment and Province	Power Plants	Water Wheels and Turbines			Thermal Engines			Generators		
		No.	Capacity	Average Capacity	No.	Capacity	Average Capacity	No.	Capacity	Average Capacity
	No.		h.p.	h.p.		h.p.	h.p.		kva.	kva.
<b>MAIN-PLANT EQUIPMENT</b>										
P.E.I.....	9	6	363	61	16	8,852	553	20	6,945	347
N.S.....	47	57	108,065	1,896	34	96,375	2,834	91	169,222	1,860
N.B.....	14	17	107,010	6,295	18	42,752	2,375	34	128,362	3,775
Que.....	99	293	5,397,832	18,423	11	3,015	274	302	4,573,472	15,144
Ont.....	120	321	2,289,057	7,131	15	1,503	100	335	1,840,929	5,495
Man.....	19	43	508,300	11,821	31	3,514	113	74	410,636	5,547
Sask.....	141	Nil	—	—	277	169,253	611	275	142,919	520
Alta.....	78	9	91,000	10,111	156	112,837	723	152	169,659	1,116
B.C. and Yukon....	73	85	714,937	8,411	57	12,282	216	147	593,623	4,038
<b>Totals.....</b>	<b>600</b>	<b>831</b>	<b>9,216,564</b>	<b>11,091</b>	<b>615</b>	<b>450,383</b>	<b>732</b>	<b>1,430</b>	<b>8,035,767</b>	<b>5,619</b>
<b>AUXILIARY-PLANT EQUIPMENT</b>										
	Nil	Nil	—	—	111	173,312	1,561	101	146,556	1,451
<b>Grand Totals....</b>	<b>600</b>	<b>831</b>	<b>9,216,564</b>	<b>11,091</b>	<b>726</b>	<b>623,695</b>	<b>859</b>	<b>1,531</b>	<b>8,182,323</b>	<b>5,344</b>

### 8.—Electric Energy Generated in Central Electric Stations, by Provinces, 1941-46

Province or Territory	1941	1942	1943	1944	1945	1946
	'000 kwh.	'000 kwh.	'000 kwh.	'000 kwh.	'000 kwh.	'000 kwh.
Prince Edward Island.....	11,869	13,096	14,616	15,968	16,753	16,702
Nova Scotia.....	480,177	516,828	579,470	582,589	600,429	590,492
New Brunswick.....	533,074	489,469	506,134	521,951	598,700	592,923
Quebec.....	17,741,218	20,803,715	23,477,824	23,277,515	22,227,012	23,597,321
Ontario.....	9,635,697	10,181,711	10,308,673	10,538,574	10,736,742	10,778,135
Manitoba.....	1,926,696	2,080,810	2,223,725	2,232,855	2,283,789	2,389,375
Saskatchewan.....	196,341	211,557	232,195	243,884	249,517	270,691
Alberta.....	319,743	418,704	512,985	555,034	566,745	602,048
British Columbia and Yukon	2,472,848	2,639,289	2,623,971	2,630,409	2,850,367	2,899,300
<b>Totals.....</b>	<b>33,317,663</b>	<b>37,355,179</b>	<b>40,479,593</b>	<b>40,598,779</b>	<b>40,130,054</b>	<b>41,736,987</b>

**Farm Service Furnished by Central Electric Stations.**—Table 9 shows the number of farm customers, the average annual consumption, average annual revenue exclusive of the 8 p.c. Federal tax, and the average revenue per kilowatt hour sold to these customers in each province for 1946.