

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. The number of thermal engines declined from previous years as equipment data were not included for small plants, mainly in Saskatchewan and Alberta, whose output was largely consumed by their own industry or firm.

8.—Main-Plant Equipment of Central Electric Stations, by Provinces, and Total Auxiliary Equipment, 1917

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.
MAIN-PLANT EQUIPMENT										
P.E.I.....	9	6	363	61	19	8,937	470	22	6,997	318
N.S.....	45	55	106,658	1,939	38	98,044	2,580	93	170,681	1,835
N.B.....	14	14	104,260	7,447	17	57,812	3,401	81	138,366	4,463
Que.....	95	280	5,424,600	19,374	5	660	132	286	4,597,773	16,076
Ont.....	120	311	2,425,363	7,799	9	1,140	127	320	1,934,447	6,045
Man.....	14	40	442,800	11,070	11	1,688	153	50	357,063	7,141
Sask.....	134	5	87,500	17,500	189	176,109	932	196	221,657	1,131
Alta.....	95	10	104,500	10,450	126	107,098	850	133	176,911	1,330
B.C. and Yukon.....	81	67	435,806	6,505	58	17,819	307	124	390,593	3,069
Totals.....	607	788	9,131,850	11,589	472	469,307	994	1,255	7,984,488	6,362
AUXILIARY-PLANT EQUIPMENT										
	—	—	—	—	98	184,930	1,887	92	154,199	1,676
Grand Totals.....	607	788	9,131,850	11,589	570	654,237	1,148	1,347	8,138,687	6,042

9.—Electric Energy Generated in Central Electric Stations, by Provinces, 1942-47

Province or Territory	1942	1943	1944	1945	1946	1947
	'000 kwh.	'000 kwh.	'000 kwh.	'000 kwh.	'000 kwh.	'000 kwh.
Prince Edward Island.....	13,096	14,616	15,968	16,753	16,702	20,382
Nova Scotia.....	516,828	579,470	582,589	600,429	590,492	617,111
New Brunswick.....	489,469	506,134	521,951	598,700	592,923	592,458
Quebec.....	20,803,715	23,477,824	23,277,515	22,227,012	23,597,321	25,930,171
Ontario.....	10,181,711	10,308,673	10,538,574	10,736,742	10,778,135	11,191,693
Manitoba.....	2,080,810	2,223,725	2,232,855	2,283,789	2,389,375	2,031,754
Saskatchewan.....	211,557	232,195	243,384	249,517	270,691	762,882
Alberta.....	418,704	512,985	555,034	566,745	602,048	641,331
British Columbia and Yukon.....	2,639,289	2,623,971	2,630,409	2,850,367	2,899,300	1,637,017
Totals.....	37,355,179	40,479,593	40,598,779	40,130,054	41,736,987	43,424,799

Farm Service Furnished by Central Electric Stations.—Table 10 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 1947.