

main-plant equipment. The capacities of the equipment are the manufacturers' ratings and, for water wheels and turbines, 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 in each case.

7.—Main-Plant Equipment of Central Electric Stations, by Provinces, and Total Auxiliary Equipment, 1943

NOTE.—kva. means kilo-volt-amperes.

Type of Equipment and Province	Power Plants	Water Wheels and Turbines			Steam Engines, Steam Turbines and Internal-Combustion Engines			Generators		
		No.	Capacity	Average Capacity	No.	Capacity	Average Capacity	No.	Capacity	Average Capacity
		No.	h.p.	h.p.	h.p.	h.p.	h.p.	kva.	kva.	kva.
MAIN-PLANT EQUIPMENT										
P.E. Island.....	9	6	363	61	16	8,852	553	20	6,945	347
Nova Scotia.....	47	58	108,215	1,866	27	69,665	2,580	85	148,345	1,745
New Brunswick.....	14	17	107,010	6,295	18	44,240	2,458	34	129,262	3,802
Quebec.....	101	293	5,397,362	18,421	11	3,015	274	302	4,572,781	15,142
Ontario.....	130	355	2,350,882	6,622	16	1,315	82	367	1,895,945	5,166
Manitoba.....	25	43	508,300	11,821	37	4,417	119	79	411,298	5,206
Saskatchewan.....	143	Nil	-	-	278	168,668	607	277	142,620	515
Alberta.....	76	9	91,000	10,111	146	86,366	592	145	146,135	1,008
British Columbia and Yukon.....	71	84	642,037	7,643	45	11,087	246	129	528,696	4,098
Totals.....	622	865	9,205,169	10,642	594	397,625	669	1,438	7,982,027	5,551
AUXILIARY-PLANT EQUIPMENT										
	Nil	Nil	-	-	125	194,822	1,559	113	166,010	1,469
Grand Totals.....	622	865	9,205,169	10,642	719	592,447	824	1,551	8,148,037	5,253

8.—Electric Energy Generated in Central Electric Stations, by Provinces, 1938-43

Province	1938	1939	1940	1941	1942	1943
	'000 kwh.	'000 kwh.	'000 kwh.	'000 kwh.	'000 kwh.	'000 kwh.
Prince Edward Island.....	7,038	7,747	8,285	11,869	13,096	14,616
Nova Scotia.....	404,828	436,269	444,061	480,177	516,828	579,470
New Brunswick.....	465,358	459,546	469,587	533,074	489,469	506,134
Quebec.....	13,707,343	15,234,384	16,010,914	17,741,218	20,803,715	23,477,824
Ontario.....	7,538,071	8,007,127	8,841,010	9,635,697	10,181,711	10,308,673
Manitoba.....	1,686,876	1,775,257	1,747,628	1,926,696	2,080,810	2,223,725
Saskatchewan.....	153,500	167,242	175,889	196,341	211,557	232,195
Alberta.....	232,451	251,806	274,121	319,743	418,704	512,985
British Columbia and Yukon	1,958,695	1,998,652	2,137,788	2,472,848	2,639,289	2,623,971
Totals.....	26,154,160	28,338,030	30,109,283	33,317,663	37,355,179	40,479,593

Farm Service Furnished by Central Electric Stations.—A complete segregation of farm customers from other domestic customers is not made by all central electric stations. For 1930 only Ontario and Quebec stations reported farm customers almost equal in number to the farms supplied with electricity as recorded in the census.