

9.—Main-Plant Equipment of Central Electric Stations, by Province, and Total Auxiliary-Plant Equipment, 1950 and 1951

NOTE.—Kva. means kilo-volt-amperes.

Year, Type of Equipment, Province or Territory	Generating Power Plants	Water Wheels and Turbines		Thermal Engines		Generators	
		No.	Capacity	No.	Capacity	No.	Capacity
		No.	h.p.		h.p.		kva.
1950							
Main-Plant Equipment							
Newfoundland.....	18	28	54,715	4	264	33	46,308
Prince Edward Island.....	7	5	369	16	11,240	20	9,035
Nova Scotia.....	50	63	143,958	36	117,849	99	222,851
New Brunswick.....	19	14	104,260	32	82,636	46	161,330
Quebec.....	99	281	5,904,389	17	2,840	298	5,031,893
Ontario.....	139	360	3,248,752	9	47,205	370	2,636,072
Manitoba.....	9	44	594,300	10	2,182	53	442,488
Saskatchewan.....	139	6	106,500	201	206,625	205	253,488
Alberta.....	92	11	105,300	135	173,096	143	241,039
British Columbia.....	86	71	757,526	95	27,993	164	671,081
Yukon and N.W.T.....	7	3	9,730	13	1,432	16	9,808
Totals, Main Plant.....	665	886	11,029,799	568	673,362	1,447	9,725,393
Auxiliary-Plant Equipment.....	...	...	...	141	273,080	136	234,824
Grand Totals, 1950....	665	886	11,029,799	709	946,442	1,583	9,960,217
1951							
Main-Plant Equipment—							
Newfoundland.....	19	30	71,215	4	264	35	60,088
Prince Edward Island.....	7	5	369	17	21,240	21	17,368
Nova Scotia.....	51	61	136,158	41	185,121	102	271,739
New Brunswick.....	16	12	101,600	29	90,456	41	165,017
Quebec.....	99	289	6,350,481	13	2,520	301	5,339,864
Ontario.....	141	373	3,376,240	11	253,705	384	2,921,307
Manitoba.....	9	37	594,500	7	2,115	44	445,870
Saskatchewan.....	118	6	106,500	189	257,371	198	297,383
Alberta.....	93	15	205,900	115	150,414	132	300,602
British Columbia.....	86	64	834,086	74	29,933	137	734,947
Yukon and N.W.T.....	8	3	9,990	13	1,432	16	9,976
Totals, Main Plant.....	647	895	11,787,039	513	994,571	1,411	10,564,161
Auxiliary-Plant Equipment.....	...	...	...	149	248,982	146	215,920
Grand Totals, 1951....	647	895	11,787,039	662	1,243,553	1,557	10,780,081

Export and Import of Electric Power.—Electric energy is exported from Canada only under licence and an export tax of 0.03 cents per kilowatt hour is levied with some exceptions. The export duties for the years ended Mar. 31, 1949 to 1952, were \$435,867, \$431,895, \$608,602 and \$743,407, respectively.

Exports for the years 1949-52 are shown in Table 10. There are also large interprovincial movements of electric energy from Quebec to Ontario, and smaller movements from Nova Scotia and Quebec to New Brunswick, Manitoba to Ontario, Saskatchewan to Manitoba and British Columbia to Alberta.

The water allowed to be diverted at Niagara Falls for power purposes was increased by 5,000 cu. feet per second to the Canadian side in November 1940, owing to a diversion of water from Long Lake and the Ogoki River from the James Bay watershed to the Great Lakes watershed. In 1941, a further increase of 9,000 c.f.s. to the Canadian plants and 12,500 c.f.s. to the United States plants was permitted,