

### 9.—Main-Plant Equipment of Central Electric Stations, by Province, and Total Auxiliary-Plant Equipment, 1951 and 1952

NOTE.—Kva. means kilo-volt-amperes.

Year, Type of Equipment, Province or Territory	Gener- ating Power Plants	Water Wheels and Turbines		Thermal Engines		Generators	
		No.	Capacity	No.	Capacity	No.	Capacity
	No.		h. p.		h. p.		kva.
<b>1951</b>							
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
<b>Totals, Main Plant.....</b>	<b>647</b>	<b>895</b>	<b>11,787,039</b>	<b>513</b>	<b>994,571</b>	<b>1,411</b>	<b>10,564,161</b>
Auxiliary-Plant Equipment....	...	..	...	149	248,982	146	215,920
<b>Grand Totals, 1951.....</b>	<b>647</b>	<b>895</b>	<b>11,787,039</b>	<b>662</b>	<b>1,243,553</b>	<b>1,557</b>	<b>10,780,081</b>
<b>1952</b>							
Main-Plant Equipment—							
Newfoundland.....	19	30	71,215	10	2,264	41	61,575
Prince Edward Island.....	6	5	369	14	21,040	18	17,207
Nova Scotia.....	46	60	144,390	20	110,149	80	215,478
New Brunswick.....	17	13	106,600	31	103,816	44	181,917
Quebec.....	97	291	6,679,023	17	5,580	313	5,698,555
Ontario.....	133	377	3,614,666	7	46,266	384	2,950,381
Manitoba.....	11	42	708,000	7	2,115	49	540,370
Saskatchewan.....	80	7	109,800	157	321,443	156	361,660
Alberta.....	86	15	205,900	116	161,239	132	310,511
British Columbia.....	59	64	887,075	28	15,536	91	798,856
Yukon and N.W.T.....	8	4	13,800	10	912	14	12,538
<b>Totals, Main Plant.....</b>	<b>562</b>	<b>908</b>	<b>12,550,838</b>	<b>415</b>	<b>790,360</b>	<b>1,322</b>	<b>11,149,048</b>
Auxiliary-Plant Equipment.....	—	—	—	231	880,608	226	705,207
<b>Grand Totals, 1952.....</b>	<b>562</b>	<b>908</b>	<b>12,550,838</b>	<b>646</b>	<b>1,670,968</b>	<b>1,548</b>	<b>11,854,255</b>

**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, 1950 to 1953, were \$431,895, \$608,602, \$743,407 and \$738,918, respectively.

Exports for the years 1950-53 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