

Of the 335 main-plant internal combustion engines in central electric stations in 1934, 183, or 55 p.c., were in Saskatchewan, 68, or 20 p.c., in Alberta and 36, or 11p.c., in Manitoba.

During 1934, the thermal engines produced 379,815,000 kilowatt hours at a cost for fuel of \$2,001,620, an average of 0.53 cts. per kilowatt hour. This production was, however, only 1.8 p.c. of the total output.

5.—Main Plant Equipment of Central Electric Stations, by Provinces, and Total Auxiliary Equipment, 1934.

NOTE.—K.V.A. means Kilo-volt-amperes.

Type of Equipment and Province.	No. of Plants.	Water Wheels and Turbines.			Steam Engines, Steam Turbines and Internal Combustion Engines.			Dynamos.		
		No.	Capacity.	Average Capacity.	No.	Capacity.	Average Capacity.	No.	Capacity.	Average Capacity.
			h.p.	h.p.		h.p.	h.p.		K.V.A.	K.V.A.
MAIN PLANT EQUIPMENT.										
P.E. Island.....	11	9	464	52	8	5,063	633	16	4,929	308
Nova Scotia.....	45	54	81,566	1,510	25	60,434	2,417	79	118,554	1,501
New Brunswick..	15	16	105,485	6,593	16	25,360	1,585	32	110,776	3,462
Quebec.....	94	256	3,303,705	12,905	3	200	67	263	2,837,987	10,791
Ontario.....	133	337	2,003,478	5,945	15	1,218	81	345	1,616,828	4,686
Manitoba.....	29	40	436,925	10,923	45	3,512	78	81	354,836	438
Saskatchewan....	119	-	-	-	211	135,446	642	208	115,031	553
Alberta.....	64	18	69,520	3,862	100	59,845	598	111	105,128	947
British Columbia	63	75	559,531	7,460	29	2,409	83	106	435,886	4,112
Yukon.....										
Totals.....	573	805	6,560,674	8,150	452	293,487	65	1,241	5,699,955	4,593
AUXILIARY PLANT EQUIPMENT.										
Totals.....	-	-	-	-	149	207,431	1,392	138	177,244	1,284
Totals.....	573	805	6,560,674	8,150	601	500,918	833	1,379	5,877,199	4,262

Provincial Distribution of Electrical Energy.—The distribution by provinces of the electrical energy generated in central electric stations throughout Canada is shown in Table 6 for the calendar years 1929-34. In the latest year over 80 p.c. of the total generated electrical energy was produced in the leading industrial provinces of Ontario and Quebec. From Table 7 it is seen that the total electric energy generated for export in the fiscal year ended Mar. 31, 1935, was 1,317,224,965 kilowatt hours; in the calendar year 1934 it had amounted to 1,296,749,475 kilowatt hours, or 6.1 p.c. of the total amount generated in central electric stations.

6.—Electrical Energy Generated in Central Electric Stations, by Provinces, calendar years 1929-34.

Province or Territory.	Kilowatt hours ('000' omitted).					
	1929.	1930.	1931.	1932.	1933.	1934.
Prince Edward Island.....	2,726	3,591	4,413	4,662	4,765	4,902
Nova Scotia.....	107,467	223,421	257,573	279,854	330,436	389,049
New Brunswick.....	125,267	332,598	404,350	427,604	378,687	394,100
Quebec.....	8,664,334	8,822,901	8,066,026	8,491,128	9,611,084	11,335,987
Ontario.....	6,453,510	6,160,987	4,948,819	4,258,042	4,381,094	6,113,595
Manitoba.....	1,108,192	991,237	1,084,763	1,087,010	1,077,210	1,183,381
Saskatchewan.....	119,455	137,217	134,014	135,898	131,164	134,033
Alberta.....	205,351	204,076	205,082	195,467	182,963	193,002
British Columbia.....	1,176,213	1,217,774	1,225,827	1,172,392	1,241,587	1,449,075
Yukon.....						
Canada.....	17,962,515	18,093,802	16,330,867	16,052,057	17,338,990	21,197,124