lignite coal is used for the steam engines, and gasolene, oil distillates and producer gas for the internal combustion engines.

Of the 366 internal combustion engines in central electric stations in 1928 241, or 66 p.c., were in Saskatchewan, 51 in Alberta and 24 in Manitoba.

During 1928 the fuel stations produced 230,755,000 kilowatt hours at a cost for fuel of $2,020,658, an average of 0·88 ct. per kilowatt hour. This production was, however, only 1·4 p.c. of the total output, hydro-electric stations producing about 98·6 p.c. The auxiliary equipment in central stations consumed fuel valued at $259,747 and produced 24,021,043 k.w. hours.

5.—Equipment of Central Electric Stations, 1928.

NOTE.—K.V.A. means Kilo-volt-amperes.

Provinces.	Number of Power 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.
Prince Edward Island	11	9	464	52	7	3,053	436	15	2,997	200
Nova Scotia	46	43	42,349	1,008	38	21,295	560	82	51,962	634
New Brunswick	22	16	45,760	2,860	23	10,479	456	38	47,167	1,241
Quebec	98	239	2,054,405	8,596	11	3,945	359	253	1,727,598	6,828
Ontario	130	334	1,562,623	4,679	12	1,116	93	332	1,253,643	3,776
Manitoba	28	32	310,925	9,716	43	8,556	199	74	249,778	3,375
Saskatchewan	153	–	–	–	275	74,240	270	273	62,200	228
Alberta	55	16	33,520	2,095	89	55,252	621	103	71,237	692
British Columbia	56	58	385,485	6,646	38	4,140	109	97	291,719	3,007
Yukon	2	2	10,000	5,000	1	60	60	4	6,030	1,507
Total	**601**	**749**	**4,445,531**	**5,935**	**537**	**182,136**	**339**	**1,271**	**3,764,331**	**2,962**
Auxiliary Plant Equipment	–	–	–	–	102	159,233	1,561	93	135,440	1,456

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 1924 to 1928. In the latter year about 84 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 of electrical energy generated for export in the fiscal year ended Mar. 31, 1929, was 1,604,212,276 kilowatt hours; in the calendar year 1928 it amounted to 1,634,871,134 kilowatt hours, or 10 p.c. of the total amount generated in central electric stations.

6.—Electrical Energy Generated in Central Electric Stations during the calendar years 1924-1928, by Provinces.

Provinces.	Kilowatt hours ("000" omitted).				
	1924.	1925.	1926.	1927.	1928.
Prince Edward Island	1,555	1,644	1,804	2,017	2,289
Nova Scotia	39,106	60,212	78,149	83,695	97,448
New Brunswick	39,967	41,723	47,541	53,095	73,846
Quebec	3,714,805	4,044,502	4,916,438	6,523,605	7,682,425
Ontario	4,289,029	4,518,844	5,321,756	5,792,820	6,064,031
Manitoba	433,517	515,915	616,431	875,897	1,050,898
Saskatchewan	59,200	66,486	74,251	85,603	98,971
Alberta	121,291	129,850	141,759	156,066	181,272
British Columbia	608,089	725,162	885,903	967,895	1,074,818
Yukon	8,718	6,121	9,413	8,406	11,806
Total	**9,315,277**	**10,110,459**	**12,093,445**	**14,549,099**	**16,337,804**