

establishment dropped sharply from 1930 to 1933 and did not attain a figure equal to the 1930 total until 1937, when a very sharp rise over the 1936 figures occurred. This would indicate a tendency of mining companies to rely more and more upon purchased power rather than to attempt to generate their own, a very natural tendency in northern Canada where water power is abundant and fuels scarce.

In manufacturing, a steady growth is indicated in total power equipment installed, total electric motors and in motors operated by purchased power. In the capacity of motors operated by power generated within the establishment, the figures fluctuated between 1929 and 1935 and from there rose steeply to 1941.

20.—Percentage of Electric Rating to Total Power Equipment in the Manufacturing and Mining Industries, 1929-41

NOTE.—Figures exclude central electric stations and include idle and reserve equipment. Figures for 1923-28 are given at p. 295 of the 1941 Year Book.

Year	Total Power Equipment Installed	Electric Power	
		Total Motor Capacity	Per Cent of Total
	h p.	h.p.	p.c.
1929.....	4,305,909	3,196,804	74.2
1930.....	4,548,014	3,376,103	74.2
1931.....	4,620,570	3,510,779	76.0
1932.....	4,625,002	3,559,516	77.0
1933.....	4,722,942	3,576,793	75.7
1934.....	4,850,743	3,781,779	78.0
1935.....	5,019,958	3,889,366	77.5
1936.....	5,186,506	4,059,355	78.3
1937.....	5,562,772	4,411,974	79.3
1938.....	5,844,666	4,635,423	79.3
1939.....	6,071,557	4,883,670	80.4
1940.....	6,351,775	5,136,200	80.8
1941.....	6,963,218	5,624,681	80.8

21.—Power Equipment Installed in Manufacturing and Mining Industries, 1929-39, with Details by Provinces and Industrial Groups, 1940 and 1941

NOTE.—Totals for the years 1923-28 are given at p. 297 of the 1941 Year Book.

Year	Steam-Engines and Turbines	Internal-Combustion Engines	Hydraulic Turbines and Water Wheels	Total	Electric Motors Operated by Purchased Power	Total Power Equipment	Electric Motors Operated by Power Generated by Establishments Reporting	Total Electric Motors
MANUFACTURING INDUSTRIES								
Totals, 1929.....	762,697	60,841	645,270	1,468,805	2,356,840	3,855,648	495,921	2,882,761
Totals, 1930.....	793,949	65,586	668,208	1,527,743	2,511,264	4,039,097	478,428	2,989,692
Totals, 1931.....	786,487	73,376	667,546	1,521,409	2,578,523	4,099,932	539,430	3,117,953
Totals, 1932.....	735,980	68,551	653,294	1,457,735	2,684,923	4,142,558	510,837	3,195,760
Totals, 1933.....	738,297	76,583	657,683	1,472,563	2,662,445	4,135,098	497,392	3,159,837
Totals, 1934.....	774,494	87,120	597,675	1,459,289	2,776,383	4,229,672	544,714	3,315,087
Totals, 1935.....	774,166	88,265	603,717	1,466,148	2,865,340	4,331,488	512,177	3,377,517
Totals, 1936.....	743,184	92,480	648,489	1,484,153	2,977,714	4,461,867	528,501	3,506,215
Totals, 1937.....	834,703	98,233	649,557	1,582,493	3,129,790	4,712,283	662,955	3,732,745
Totals, 1938.....	830,897	111,615	723,377	1,665,919	3,303,894	4,969,723	659,741	3,963,545
Totals, 1939.....	827,801	121,997	731,390	1,681,188	3,375,169	5,056,357	694,450	4,069,619