

Section 2 covers the central electric station industry including stations under public ownership (provincial and municipal governments) and those under private ownership. Neither of these Sections however gives a complete presentation of the total electric power developed in Canada. All the hydraulic energy developed is not converted to electric power: there are a number of water wheels and water turbines used for direct drive that are not geared to electric generators. On the other hand certain central electric stations in the Atlantic Provinces, Ontario and the Prairie Provinces generate electricity from steam or internal combustion engines. It is the purpose of this Section to show the total electric power generated from all available sources. Most of the power comes of course from central electric stations, the figures having been given in Table 4 of Section 2, p. 561. The total kilowatt hours of electric power generated by central electric stations, is divided into that generated from water power and that generated from thermal engines of all kinds.

Table 25 shows that total electric power generated by central electric stations in 1953 was 62,860,927,000 kwh. For a complete presentation the power generated by manufacturing industries for their own use and the power generated by the primary mining industry for use in its own operations must be added. There are a few other sources of electric energy included such as electric railways which produced 10,579,000 kwh. in 1953. This production has been taken into the annual total shown in Table 25. There are numerous small lighting and power plants on farms, rural homes, summer resorts, stores, etc., where electricity from central electric stations is not available and for which no data are available.

### 25.—Total Power Generated by Central Electric Stations, Manufacturing and Mining Industries 1944-53

NOTE.—Figures for the years 1927-43 will be found in the 1948-49 Year Book, p. 516.

Year	Central Electric Stations		Manufacturing Industries		Mining Industries		Total <sup>1</sup>
	'000 kwh.	p.c.	'000 kwh.	p.c.	'000 kwh.	p.c.	
1944	40,598,779	93.2	2,752,125	6.3	210,554	0.5	43,571,276
1945	40,130,054	93.9	2,362,260	5.5	201,765	0.5	42,720,374
1946	41,736,987	93.4	2,714,261	6.1	199,950	0.4	44,662,916
1947	43,424,799	92.1	3,467,535	7.4	269,412	0.6	47,174,384
1948	42,389,681	89.7	4,590,677	9.7	270,522	0.6	47,262,060
1949	44,418,573	87.8	5,898,390	11.7	263,835	0.5	50,592,990
1950	48,493,718	88.1	6,266,051	11.4	264,232	0.5	55,036,765
1951	54,851,844	89.3	6,369,094	10.4	212,832	0.3	61,446,787
1952	59,409,198	89.9	6,450,729	9.8	234,431	0.3	66,103,533
1953	62,860,927	89.8	6,901,443	9.9	215,337	0.3	69,988,286

<sup>1</sup> Includes power generated by electric railways for their own use.