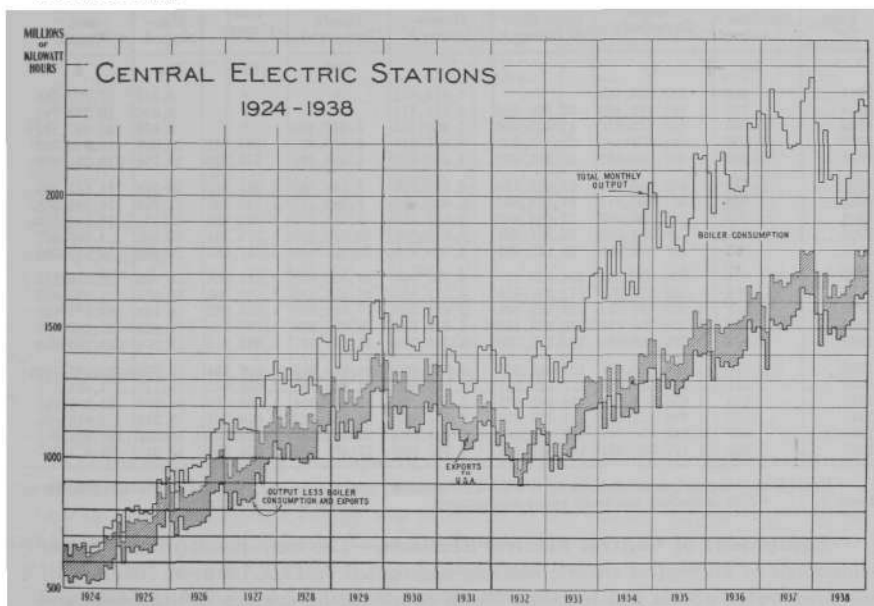


Section 2.—Central Electric Stations.*

The rapid growth of the central electric station industry has been stimulated by the large demand for power from the manufacturing industries, particularly pulp and paper plants, and from the domestic and commercial light customers, and also by the many improvements in generating and transmitting equipment and in electrical appliances and motors. In Table 4 will be found statistics of the number of central electric stations, capital invested, revenue from sale of power, total horsepower, kilowatt hours generated and number of customers for the 21 years ended 1937, together with the number of persons employed and the amount expended for salaries and wages. The total output for 1937 amounted to 27,687,646,000 kilowatt hours which was a new high record for the industry. Based on preliminary figures from the large stations, the total production in 1938 is estimated at 26,000,000,000 kilowatt hours.



Exports to the United States reached a low point in 1932 with 467,215,000 kilowatt hours, but they began a steady increase about the middle of 1933 and continued to increase each year, the total for 1938 being 1,826,515,000 kilowatt hours, or four times the low record of 1932. The use of electric energy in electrical boilers in various industries and particularly in the pulp and paper mills has increased rapidly and fairly steadily. In 1937 it reached a high record of 7,313,014,000 kilowatt hours, or 26 p.c. of the total output, and more than double the quantity so used in 1932. This power is partly off-peak power available at various times each day and partly surplus power available continuously until a better market develops. The domestic service consumption or the electricity used in residences has also increased steadily even during the years 1930-33 and in 1937 amounted to 2,007,433,000 kilowatt hours, an increase of 35 p.c. over the 1930 consumption and 6 p.c. over the 1936 consumption.

* Revised by G. S. Wrong, B.Sc., Chief, Transportation and Public Utilities Branch, Dominion Bureau of Statistics. For a list of publications of this Branch, see Chapter XXIX.