

on the Nepisiguit river. It operates 100 miles of 66,000 volt line between Musquash and Moncton, 37 miles of 32,000 volt line from Nepisiguit to Newcastle, together with 500 miles of primary distribution lines.

The Commission also has under construction a powdered fuel plant at Newcastle Creek on the Grand lake. This plant will have an initial installed capacity of 5,000 k.w. It is expected that the plant will be ready for operation July 1, 1931. Power will be supplied to the city of Fredericton and the town of Marysville by means of a 33,000 volt transmission line 38 miles long.

The Commission sells power *en bloc* to Saint John, Moncton and Sussex, and retails directly in several towns and villages between Saint John and Dorchester, also between Moncton and Shediac, Moncton and Albert and along the Saint John River valley from Saint John to Gagetown. This system serves, directly or indirectly, about 16,500 customers. The total plant investment of the Commission amounts to \$4,200,000 and the total annual revenue is about \$500,000.

Manitoba.—The Manitoba Power Commission dates from the passage of the Electrical Power Transmission Act of 1919 (c. 30 also c. 61 Consolidated Amendments, 1924) which authorizes the Commission to make provision for generating electrical energy, to enter into contracts for the purchase of power in bulk from generating agencies and for its transmission and sale to municipalities, corporations, and individuals. In 1929, legislation was passed whereby the Government undertook to pay interest charges and sinking fund charges on an amount not exceeding 50 p.c. of the capital cost of the construction and erection of generating stations, transformer stations, protective devices, switching and metering equipment, transmission lines and cables or other equipment required for the generation and transmission of electrical power or energy to municipalities, farms and other customers.

The Commission has built an extensive transmission system under authority of this Act. Power is purchased from the Winnipeg municipal plant and transmitted over high tension steel tower lines to Portage la Prairie, Brandon and Morden. From this main system power is transmitted to the territory south of the Winnipeg-Brandon main line to the International Boundary by means of two parallel high tension wood pole lines running east and west which are tied in by cross lines, thus forming a series of loops. This system is also tied into the main line at Portage la Prairie and Brandon forming another large loop and insuring the best possible service to all this section of Manitoba and those sections to be connected to the system at a later date.

The Commission has built and operates a system serving the territory along the western boundary of the province. Power is supplied from the Commission's plant at Virden to the town of Virden, and south to Reston, Pipestone and Melita; also north and west to Elkhorn, Miniota, Crandall, and Arrow River.

In August, 1930, the Commission purchased the municipally owned plant at Birtle and has just completed enlarging and equipping it with machinery and apparatus sufficient to take care of the needs of this power area until it is connected to the main system. Lines have been completed and service established in Foxwarren, Binscarth, and St. Lazare.