

At the operating plants on the Winnipeg River, improvements and repairs were carried out. At the Seven Sisters development, the crest of the 651-foot spillway section was raised 11 feet by the installation of concrete rollways. At the Pointe du Bois plant, 25 stop-log spillway sections with a total length of 328 feet were replaced by 19 openings with steel gates.

In connection with the Laurie River development of Sherritt-Gordon Mines Limited, a control dam was completed on the Loon River which creates a new storage reservoir and allows the diversion of water from the Loon River basin into the Russell Lake reservoir on the Laurie River. Surveys for a new development were made at a site about seven miles above the present plant but no definite commitment on construction has been made.

The Manitoba Power Commission continued to expand its distribution system. New transmission lines built include 85 miles at 115 kv., 64 miles at 66 kv., 32 miles at 33 kv. and 78 miles at lower voltage; also 27 miles were raised from 33 kv. to 66 kv. The rural electrification programme was extended by the inclusion of 5,140 farms and 15 villages involving 3,100 miles of distribution line. The total number of farms now connected is 39,500. Due to the greater power demand, the capacities of the Parkdale and Neepawa terminal stations were increased by 15,000 kva. and distribution substations by 13,000 kva.

Owing to delay in delivery of equipment, the second unit of 25,000 kw. in the steam plant of the City of Winnipeg will not come into operation until the spring of 1954.

Ontario

In addition to completing the final stage of its series of post-war developments on the Ottawa River and the building of its large steam plants at Toronto and Windsor, the Hydro-Electric Power Commission of Ontario was actively engaged on its new development on the Niagara River at Queenston, which is the largest project it has ever undertaken, and other developments as follows:

Hydro-Electric Power Developments

(a) Otto Holden Generating Station

Construction of this station on the Ottawa River above Mattawa was virtually finished by the end of 1952 and only the eighth unit of 33,000 h.p. remained to be installed. This unit, which was placed in service in April 1953, brought the total installed turbine capacity of the station to 264,000 h.p.

(b) Sir Adam Beck-Niagara Generating Station No. 2

Construction progress on the many aspects of the 12-unit development of 1,260,000 h.p. on the Niagara River at Queenston is well advanced and the first units are expected to be placed in service early in 1954. In tunnel No. 1, excavation has been completed and lining the tunnel will be finished by the end of the year. In tunnel No. 2, excavation is nearing completion and concrete placing has been started. Excavation for the canal and forebay is almost completed and concrete placing at the tunnel-exit portals and at the headworks is well advanced. At the power-house four penstocks