

In *Nova Scotia*, the 1955 activity of the Nova Scotia Power Commission brought about the completion of a 6,240-h.p. development on the Mersey River at Lower Great Brook, comprising two 3,120-h.p. units. A second project, scheduled for completion in 1957, involves a single 5,300-h.p. turbine on the Bear River at Bear River and investigations are proceeding on the proposed Wreck Cove development on Cape Breton Island. During 1955 and 1956, the Commission extended transmission lines by 103 miles of main line, mostly of 69-kv. capacity, and 100 miles of rural distribution line, with 120 miles of transmission lines of various capacities under active construction at the end of 1956. The Nova Scotia Light and Power Company has under active prospect the replacement of two units of 1,150 h.p. each by a single 5,000-h.p. unit at its Hemlock Falls plant on the Avon River, with change-over expected in 1958. Also under study is the development of an estimated 4,000 h.p. on the Nictaux River at Alpena. New transmission line construction included 67 miles of 69-kv. line and 17 miles of 23-kv. line.

In 1955 at Trenton in Pictou County, the Nova Scotia Power Commission increased to 40,000 kw. the capacity of its steam plant by the addition of a 20,000-kw. unit; a fourth similar unit is to be added in 1959. The Nova Scotia Light and Power Company Limited completed a fifth unit of 27,500 kw. at its Halifax steam plant; construction is progressing towards the completion of a 45,000-kw. unit in 1957 and another in 1959. At Glace Bay the Seaboard Power Corporation Limited installed a new steam unit of 18,750 kw. in 1955, with another scheduled for operation in 1958.

In *New Brunswick*, the construction of the Beechwood development on the St. John River by the New Brunswick Electric Power Commission was continued with two 45,000-h.p. units scheduled for completion in 1957 and with provision for a third similar unit. At other potential sites, investigations were under way during 1956 on the St. John, Tobique and Napisisquit Rivers and on the Passamaquoddy Bay tidal project. The Commission completed 200 miles of 69-kv. transmission line and 245 miles of rural distribution line in 1955 and 1956. At the end of 1956, 147 miles of 138-kv. main line were under construction.

In 1955, Edmundston installed an additional diesel unit of 3,000 kw. to its thermal station and in 1956 the New Brunswick Electric Power Commission added a new unit of 22,500 kw. to its steam plant in Chatham.

Quebec.—During 1955 and 1956 new hydro-electric capacities amounting to 240,000 h.p. and 514,300 h.p., respectively, were brought into operation in Quebec. The addition for 1956 represented 61 p.c. of Canada's total development for that year.

The most notable progress was made by the Quebec Hydro-Electric Commission which placed in operation at its Bersimis No. 1 plant at Lac Casse during 1956 and 1957 three 150,000-h.p. units. Three similar units are scheduled for operation in 1959 and two others in 1960. At the Bersimis No. 2 site, preliminary construction was continued toward an ultimate installation of 855,000 h.p. in five 171,000-h.p. units. At the Beauharnois development on the St. Lawrence River dredging of the intake canal was continued and preliminary construction started on the third and final section of the powerhouse where five new 67,000-h.p. units are scheduled for operation in 1959 and one in 1960. The ultimate capacity of the whole development is expected to reach 2,235,000 h.p. At the Commission's Rapid II plant on the upper Ottawa River the third 16,000-h.p. unit was completed in 1956, and provision made for a fourth unit. Work was well advanced on the construction of a storage dam at the outlet of Lake Ste. Anne, on a tributary of the Manicouagan River, to allow a higher firm output from the plant of the Manicouagan Power Company where additional capacity is being installed. Studies and surveys are also being carried out by the Commission towards the development of the Lachine Rapids on the St. Lawrence River. In the transmission field, 146 miles of 154-kv. line were completed in 1955 to serve the Chibougamau district; in 1956, a double-circuit 450-mile 300-kv. line from Labrieville to Quebec and Montreal was completed and work was begun on three additional 300-kv. lines—Labrieville to Quebec City, Labrieville to Hauterive and a tie between the Bersimis plants Nos. 1 and 2.