

Section 4.—Water and Thermal Power Developments in the Provinces and Territories, 1959

For the second consecutive year, a record was established in the amount of new hydro-electric generating capacity brought into operation during a single calendar year. A total of 2,508,800 hp. of new capacity was installed during 1959, exceeding the previous record of 2,488,618 hp. completed in 1958. Installations under construction will add about 1,700,000 hp. during 1960 and another 2,300,000 hp. of new capacity is either under construction or in active prospect for development in succeeding years. Progress in hydro-electric and thermal-electric construction during 1959 is outlined below by provinces.

Atlantic Provinces.—In Newfoundland, the United Towns Electric Company Limited completed a single-unit 1,200-hp. development on New Chelsea Brook at Pitman's Pond, and ordered a new unit of about 3,200 hp. for installation by June 1960 to replace two units at Heart's Content on the Heart's Content River. The Iron Ore Company of Canada began construction to add a new 12,000-hp. unit in April 1960 at its Menihek Rapids development on the Ashuanipi River in Labrador. In active prospect were: the installation by the Newfoundland Light and Power Company Limited of a single-unit 6,500-hp. development on Middle Brook near Gambo; the installation of two 38,500-hp. units by the Southern Newfoundland Power and Development Limited as part of an ultimate development of 350,000 hp. in the Bay d'Espoir area of Newfoundland; and the installation of two 60,000-hp. units by the Hamilton Falls Power Corporation Limited as part of an ultimate development of 300,000 hp. at Scott Falls on the Unknown River in Labrador. In the field of thermal-electric construction, the Newfoundland Light and Power Company Limited completed the addition of a 20,000-kw. unit at its steam plant at St. John's.

In Prince Edward Island, the Maritime Electric Company Limited proceeded with the installation of a 10,000-kw. unit, scheduled for operation late in 1961 in the Company's steam plant at Charlottetown.

In Nova Scotia, the Nova Scotia Power Commission continued with the construction of two single-unit developments on the Sissiboo River. One of these, with a turbine capacity of 12,000 hp., is located at Weymouth Falls and is scheduled for operation in July 1960; the second development, rated at 8,000 hp., is expected to be in operation in March 1960 at Sissiboo Falls. The Commission has in active prospect a 10,800-hp. development at Riverdale, also on the Sissiboo River, and a 90,000-hp. installation on Wreck Cove Brook. The Nova Scotia Light and Power Company Limited began construction of a single-unit 7,500-hp. development on the Lequille River at Lequille which is expected to be in operation in 1961. The Company has in active prospect a single-unit 6,500-hp. development on the Nictaux River at Alpena. In the thermal-electric field, construction continued at the Nova Scotia Power Commission's steam plant at Trenton where a 20,000-kw. unit was scheduled for operation in April 1960. The Nova Scotia Light and Power Company Limited completed the installation of a 45,000-kw. unit at its Halifax steam plant and the Seaboard Power Corporation Limited added a new 16,000-kw. unit at its Sydney steam plant.

In New Brunswick, the New Brunswick Electric Power Commission acquired ownership of the 80,000-hp. Grand Falls generating station on the St. John River, formerly owned by the Gatineau Power Company Limited. At the Commission's Milltown development, a 500-hp. unit which was installed in 1910 and retired in 1920 was reconditioned and placed in service in June 1959. At Saint John, a new 50,000-kw. steam turbine plant was under construction, scheduled for completion in July 1961.

Quebec.—Quebec led the provinces in the amount of new hydro-electric capacity installed in 1959. Of the 1,457,800 hp. of new capacity placed in operation in the province, the Quebec Hydro-Electric Commission contributed about one-half. The Commission's Bersimis II development began initial operation when three units, each rated at 171,000 hp., were placed in operation; this development when completed in 1960 will have a