

Section 4.—Progress in the Development of Hydro-Electric and Thermal-Electric Facilities, 1962

During 1962, Canada's total electric power production capacity was expanded by the addition of 415,468 hp. of new hydro capacity and 713,210 kw. of new thermal capacity. This was the second consecutive year that thermal capacity put into service exceeded hydro capacity installed but this trend will be reversed in 1963 when approximately 1,200,000 hp. of hydro capacity and 660,000 kw. of thermal capacity will be added. Subsequent to 1963, power production facilities at present under construction or in the planning stage will yield almost 8,000,000 hp. of new hydro capacity and over 2,000,000 kw. of new thermal capacity.

Progress in construction of hydro-electric and thermal-electric plants during 1962 is outlined below, by province and territory.

Atlantic Provinces.—In Newfoundland, new power production facilities brought into service during 1962 consisted of 120,000 hp. of hydro capacity and 4,100 kw. of thermal capacity. Twin Falls Power Corporation Limited completed the initial stage, comprising two 60,000-hp. units, at the Twin Falls development on the Unknown River in Labrador and two other units of the same capacity will be added in 1963. The ultimate capacity of the site is expected to total 300,000 hp. in five units. Construction was started at the Newfoundland Light and Power Company Limited hydro development on Sandy Brook; the plant, scheduled to commence operation in 1963, will consist initially of a single 8,000-hp. unit. Southern Newfoundland Power and Development Limited is planning to construct a hydro-electric station on the Salmon River at Head Bay d'Espoir with an initial installation of 77,000 hp. in two units and an ultimate capacity of 350,000 hp. and Bowater Power Company Limited proposes to install a 54,000-hp. hydro-electric plant on Hinds Brook. Addition of a 1,000-kw. diesel unit at the Wabush Lake plant of Wabush Mines brought the capacity of that plant to 2,000 kw.; two additional 1,000-kw. units will be installed in 1963. United Towns Electric Company Limited added 1,240 kw. of diesel equipment at the St. George's plant and a total of 1,860 kw. of new diesel generating equipment was put into service by the Newfoundland Power Commission.

In Prince Edward Island, the capacity of the Summerside thermal plant was increased by the installation of a 2,200-kw. unit, bringing the total generating capacity of the plant to 7,281 kw. in nine units.

There was no increase in either hydro or thermal capacity in Nova Scotia in 1962, but the Nova Scotia Power Commission is actively considering the construction of two hydro-electric developments—a 10,800-hp. one-unit plant at Riverdale on the Sissiboo River, and a plant at Wreck Cove on Wreck Cove Brook with a possible ultimate capacity of 90,000 hp. Under consideration by Nova Scotia Light and Power Company Limited are a 7,500-hp. plant at Lequille on the Allain (Lequille) River and a 6,500-hp. Alpena plant on the Nictaux River.

In New Brunswick, the New Brunswick Electric Power Commission installed the third and final unit at Beechwood on the St. John River, the addition of this 55,000-hp. unit bringing the total capacity of the Beechwood plant to 145,000 hp. Capacity of the Commission's Milltown plant on the St. Croix River was raised to 4,200 hp. by the installation of a 468-hp. unit. Engineering studies were continued on the proposed 600,000-hp. Mactaquac development on the St. John River near Fredericton and attention was being given to the possibility of extending the 80,000-hp. Grand Falls development. A 47,500-kw. steam unit went into service at the Courtenay Bay Station in East Saint John, the ultimate generating capacity of which will be 300,000 kw. The addition of a 240-kw. unit increased total installation at the Grand Manan thermal plant to 990 kw. and, at Newcastle Creek on Grand Lake, work progressed on the installing of a 60,000-kw. unit for service in 1964.