

gained in the design and operation of this reactor has encouraged the development of even larger units and plans have been announced for the construction of the two-unit, 1,080,000-kw. Pickering nuclear station to be built near Toronto, with in-service dates for the two units scheduled for 1970 and 1971.

## Section 2.—Progress in Construction of Generating Facilities, 1965

During 1965 Canada's electric power generating capacity increased by the massive total of 2,242,000 kw. Hydro capacity accounted for 1,434,000 kw. and thermal for the remaining 808,000 kw. With the exception of 1959, when nearly 2,500,000 kw. of new capacity went into service, the 1965 increase was the highest ever recorded in a single year and almost tripled the 1964 total of 754,000 kw. The new capacity that began service in 1965 boosted the nation's total installed generating capacity to 29,400,000 kw., 21,800,000 kw. of which was hydro and the remaining 7,600,000 kw. thermal. On the basis of present estimates, almost 1,800,000 kw. of new generating capacity will go into service in 1966, 883,000 kw. of this in hydro plants and 875,000 kw. in thermal stations. Including the new capacity scheduled for 1966, Canada's power producers have under construction or have scheduled a total of 16,500,000 kw. which will come into service within the next few years, of which hydro capacity will account for 9,700,000 kw. and thermal the remaining 6,800,000 kw. These estimates, however, do not include the vast water power potential that may eventually be developed on the Churchill River in Labrador, the Nelson River in Manitoba or the Columbia River in British Columbia.

**Atlantic Provinces.**—In *Newfoundland*, the Bay d'Espoir hydro site under development by the Newfoundland and Labrador Power Commission is designed for six units, three of which are scheduled for service in March 1967; total eventual generating capacity at Bay d'Espoir is expected to be 459,000 kw. In 1965, the Commission built 11 small thermal plants with capacities ranging from 80 kw. to 300 kw., adding 1,900 kw. to the province's thermal capacity. The new 12,500-kw. gas turbine plant being built by the Commission at Holyrood is expected to be in service in September 1966. Development of the immense hydro potential of Churchill Falls on the Churchill River in Labrador awaits completion of marketing negotiations. For full development of the 1,040-foot fall, Churchill Falls Power Corporation Limited proposes an installation of ten units with a total generating capacity of 3,914,000 kw.

In *Nova Scotia*, the Nova Scotia Light and Power Company Limited steam plant at Tuft's Cove began operation in 1965 with one 100,000-kw. unit, the first in a multi-unit development that may eventually provide more than 500,000 kw. of generating capacity. The Company has under consideration the development of two sites expected to yield a combined total of 16,200 kw. of hydro capacity—at Lequille (11,200 kw.) on the Allain (Lequille) River and at Alpena (5,000 kw.) on the Nictaux River. Capacity of the Nova Scotia Power Commission's hydro plant at Weymouth Falls on the Sissiboo River will be more than doubled by the addition of a 10,400-kw. unit in November 1967, bringing the plant capacity to 19,400 kw. Two hydro sites are being considered for development by the Commission—Wreck Cove on Wreck Cove Brook is proposed for development to a capacity of 67,500 kw. and Riverdale on the Sissiboo River to a capacity of 6,000 kw.; neither development has yet been scheduled. Electric power and steam supply for the Glace Bay heavy-water plant will be supplied from the Seaboard Power Corporation Glace Bay thermal station. To take care of the additional load, the Glace Bay station has been extended to house a new 38,000-kw. steam unit. A new single-unit thermal plant with a generating capacity of 3,750 kw. was put into operation at Dartmouth by Imperial Oil Limited.

In *New Brunswick*, the new Sisson hydro plant built by New Brunswick Electric Power Commission on the Tobique River was commissioned in 1965; its capacity is 10,000