

Section 2.—Progress in Construction of Generating Facilities, 1966

During 1966, Canada's electric power generating capacity increased by 1,922,000 kw.; thermal capacity, which includes nuclear electric, accounted for 1,059,000 kw.; and the remaining 863,000 kw. was installed in hydro plants. In terms of the amount of generating capacity installed in one year in Canada, 1966 ranks third; the years of greater installation were 1959 and 1965 when 2,500,000 kw. and 2,200,000 kw., respectively, were placed in service. The new capacity placed in service in 1966 raised Canada's total generating capacity to 31,400,000 kw., consisting of 22,700,000 kw. hydro and 8,700,000 kw. thermal.

Present estimates indicate that more than 2,350,000 kw. of new generating capacity will go into service during 1967, 1,600,000 kw. thermal and 750,000 kw. hydro. Including the capacity scheduled for 1967, Canada's power producers have under construction or have scheduled within the next few years a total of 23,300,000 kw. of new capacity, 13,900,000 kw. hydro and 9,400,000 kw. thermal.

Newfoundland.—In Newfoundland, construction of 39,908 kw. of new thermal generating capacity was completed before the end of 1966 and construction of 559,000 kw. of hydro-electric generating capacity was continuing. Of great significance was the announcement, late in 1966, of the start of construction of some 4,500,000 kw. of hydro-electric capacity on the Churchill River in Labrador.

The capacity brought into service in 1966 consisted principally of a 25,000-kw. gas-turbine unit installed at the Bowater Power Company's plant in Corner Brook and a 12,500-kw. unit at the new Holyrood gas-turbine plant of the Newfoundland and Labrador Power Commission. Construction on the Commission's Bay d'Espoir hydro development continued during 1966 with 229,500 kw. of hydro-electric capacity scheduled for service in 1967 and a further 229,500 kw. later. Construction plans by the Churchill Falls Power Corporation Limited for the 4,500,000-kw. Churchill River hydro station calls for power from the first units to be available in 1971-72 and installation of other units as demand for power increases; this station, when completed, will be one of the world's largest hydro developments.

Nova Scotia.—In Nova Scotia, electric generating capacity totalling 36,000 kw. was commissioned in 1966, 27,750 kw. is expected to come into service in 1967 and another 230,000 kw. is proposed for installation later.

The capacity of the Nova Scotia Power Commission's Glace Bay thermal plant on Cape Breton Island was boosted to 108,000 kw. in 1966 following installation of a 36,000-kw. unit. In 1967, the capacity of the Commission's Weymouth Falls hydro plant on the Sissiboo River will be doubled by the addition of a 9,000-kw. unit, and Scott Maritime Pulp Limited will begin operation of its new single-unit 18,750-kw. thermal plant at Abercrombie Point. Proposed for installation subsequent to 1967 at the Commission's Trenton and Point Tupper thermal plants are units of 150,000 kw. and 80,000 kw., respectively.

New Brunswick.—New Brunswick's total electric generating capacity was increased by 110,000 kw. in 1966, 110,500 kw. remained under construction for service in 1967 and another 1,100,000 kw. is either planned or under construction for completion later.

A 110,000-kw. unit at the New Brunswick Electric Power Commission's Courtenay Bay thermal plant was brought into service in 1966, raising the plant's capacity to 173,000 kw.; another 110,000-kw. unit is scheduled for initial service at the Courtenay Bay plant in 1967. At the Commission's Mactaquac hydro-electric development on the St. John River, six 100,000-kw. units are being installed, the first unit to be in service about the end of 1967, the second and third in 1968 and the other three by 1976. The Commission has completed site surveys for a new thermal plant at Dalhousie; ultimate capacity will be 500,000 kw. with the first of five units to be in service by late 1969. A 500-kw. unit for the Commission's Milltown hydro development on the St. Croix River was being installed for service in 1967.