

each rated at 69,750 kw., are scheduled for service in late 1967. Additional generating capacity was being installed at Barrett Chute and Stewartville Stations on the Madawaska River downstream from Mountain Chute; by 1969, two additional 55,800-kw. units at Barrett Chute will bring that station's capacity to 151,400 kw., and two 45,900-kw. units at Stewartville will increase the station's capacity to 153,000 kw. Construction of the Aubrey Falls hydro station on the Mississagi River started in 1966; the station's two 80,000-kw. units are scheduled for completion in 1969.

At Lakeview generating station on the shore of Lake Ontario near Toronto, installation of the fifth 300,000-kw. steam unit was completed in 1966. The ultimate capacity of Lakeview, to be realized in 1968, will be 2,400,000 kw. in eight units. The Lambton station, on the St. Clair River about 14 miles south of Sarnia, will house four 500,000-kw. units to come into service at the rate of one a year between 1968 and 1971. Ontario Hydro installed a number of combustion turbine generators in southern Ontario to serve as standby units and contribute to the provision of an adequate margin of reserve capacity at times of peak load, particularly during the present period of rapid load growth. Site investigations for a proposed coal-fired thermal-electric station are being carried out on the north shore of Lake Erie, the schedule for the new station calling for four 500,000-kw. units to be installed between 1972 and 1977.

In the nuclear-electric field, installation of the 200,000-kw. CANDU unit at Douglas Point was completed late in 1966 and work continued on the Pickering nuclear-electric station. At Pickering, two 540,000-kw. units are scheduled for initial operation in 1970 and 1971, and at least two other identical units are expected to be installed later.

Manitoba.—Manitoba's electric generating capacity remained unchanged in 1966; however, 26,000 kw. of new generating capacity will be installed in 1967 and another 1,241,000 kw. in later years.

Most of the new capacity will be installed on the Nelson River as a result of an agreement signed by the Governments of Manitoba and Canada. The agreement calls for construction of a hydro plant at Kettle Rapids, diversion of flow from the Churchill River into the Nelson River near Thompson, regulatory facilities at the outlet of Lake Winnipeg and transmission facilities from the Kettle Rapids site to Winnipeg. Capacity of the Kettle Rapids plant will be approximately 1,000,000 kw., of which 400,000 kw. is expected to be in service by 1971. To accommodate the anticipated demand for power before completion of the Kettle Rapids project, the capacity of Manitoba Hydro's Brandon and Selkirk thermal stations will be increased by 105,000 kw. and 26,000 kw., respectively. The Grand Rapids hydro-electric station on the Saskatchewan River will be completed in 1968 when the fourth and final unit of 109,250 kw. is installed.

Saskatchewan.—In Saskatchewan, electric power generating capacity increased by 92,800 kw. in 1966, 77,400 kw. of which was hydro-electric capacity and 15,400 kw. thermal capacity. Although no new capacity is scheduled for 1967, 186,600 kw. of hydro capacity and 330,800 kw. of thermal capacity are planned or under construction for installation in subsequent years.

The bringing into service of two 38,700-kw. units in 1966 completed Saskatchewan Power Corporation's 278,400-kw. Squaw Rapids hydro-electric plant on the Saskatchewan River. Also, a 15,400-kw. gas-fired unit was brought into service at the Corporation's Success thermal plant near Swift Current. Two 150,000-kw. steam turbines will be added at the Boundary Dam thermal plant at Estevan, scheduled for service in 1969 and 1970. At the South Saskatchewan River Project near Outlook, three 62,200-kw. generators will be in service by 1968; the Prairie Farm Rehabilitation Administration is building the dam and reservoir primarily for irrigation purposes and the Saskatchewan Power Corporation is installing the hydro-electric generating facilities.

Alberta.—Alberta's total installed electric generating capacity increased by 303,650 kw. in 1966—172,750 kw. in hydro-electric plants and 130,900 kw. in thermal plants.