

In the thermal-electric construction field, the Newfoundland Light and Power Company added a 20,000-kw. unit to its steam plant at St. John's, to augment the existing 10,000-kw. unit.

In Prince Edward Island, the Maritime Electric Company Limited in 1958 began the installation of a 10,000-kw. unit for operation late in 1961 at its steam plant at Charlottetown.

In Nova Scotia in 1957 the Nova Scotia Power Commission completed a 5,300-h.p. unit on the Bear River at Bear River and in 1958 demolished two small plants on the Sissiboo River and began the construction of a 12,000-h.p. unit at the original Weymouth Falls site and a 8,000-h.p. unit near the Sissiboo Falls site. During 1957-58, extensions to the Commission's transmission system included 79 miles of 69-kv. line and 40 miles of 23-kv. line. Three substations of 15,000, 3,750 and 3,000 kva. respectively were placed in service during 1957 by the Commission and two others, each of 5,000 kva., in 1958. The Nova Scotia Light and Power Company late in 1958 completed the replacement of two 1,150-h.p. units by a single 5,000-h.p. unit at its Hemlock Falls installation on the Avon River at Windsor Forks. In active prospect is a 6,500-h.p. development on the Nictaux River at Alpena.

The Nova Scotia Light and Power Company increased its thermal power capacity at Halifax by the addition of a 50,000-kw. unit in 1957 and a 45,000-kw. unit was under construction. The Nova Scotia Power Commission had under construction a 20,000-kw. unit at its Trenton steam plant, now rated at 40,000 kw., and the Seaboard Power Corporation an additional 16,000-kw. unit in its Sydney steam plant. All three units were scheduled for operation in 1959.

In New Brunswick, the New Brunswick Electric Power Commission brought into operation the first of two 45,000-h.p. units at its Beechwood development on the St. John River in 1957 and the second in 1958. Provision has been made for the later installation of a third similar unit. During 1957-58, the Commission extended its transmission facilities by about 289 miles of 138-kv. line. In 1957 the Commission added two substations, each rated at 50,000 kva., and began the construction of another substation of 10,000 kva. The Commission also had under construction in 1958 at Saint John a new 50,000-kw. steam plant scheduled for completion in 1961; elsewhere a 6,540-kw. unit was placed in operation at the Bathurst steam plant of the Bathurst Power and Paper Company Limited and a new unit of 12,500 kw. was added to the Edmundston steam plant of the Fraser Companies Limited.

**Quebec.**—The Province of Quebec continued expansion of its hydro-electric power facilities, placing in operation new capacity totalling 473,900 h.p. in 1957 (after allowing for the dismantling of 10,100 h.p.) and 900,000 h.p. in 1958. Of the latter, 450,000 h.p. was installed at the Quebec Hydro-Electric Commission's Bersimis I plant located about 300 miles northeast of Montreal, where the final three units of 150,000 h.p. each were placed in service, raising the total installed capacity of the plant to 1,200,000 h.p. At Bersimis II, 23 miles downstream, good progress was achieved on the construction of five units of 171,000 h.p. each under a head of 375 feet; three units are scheduled for operation late in 1959 and the remaining two units late in 1960. At the Beauharnois development on the St. Lawrence River, about 30 miles from Montreal, the Commission continued construction of the third and final section of the powerhouse which will contain 11 units each of 73,700 h.p. under a head of 80 feet. Initial operation of this section is expected early in 1959 and upon its completion in 1961 the total installed capacity of the over-all development will be 2,234,700 h.p. Work was completed early in 1958 on the construction of a storage dam at the outlet of Lake Ste. Anne on the Toulousteou River, a tributary of the Manicouagan River, to allow a higher firm output from the plant of the Manicouagan Power Company where additional capacity was installed. Studies and surveys are being carried out by the Commission for developments in the Lachine Rapids section of the St. Lawrence River and in the Manicouagan region on the north shore of the St. Lawrence River.