

Nova Scotia Light and Power Company installed a new unit of 4,500 h.p. in its Black River Plant and had under way for 1950 operation a development of 5,000 h.p. on Paradise Brook. The Nova Scotia Power Commission had under advanced construction a development of 12,000 h.p. on the Mersey River at Deep Brook and was contemplating the development of 8,000 h.p. on the Bear River and 4,800 h.p. on the Tusket River. The New Brunswick Electric Power Commission was investigating several water-power sites including the Magaguadavic River, 16,000 h.p., the Tobique River, 6,000 h.p., and the St. John River at Beechwood.

Quebec.—In Quebec, the Shawinigan Water and Power Company completed its development of 195,000 h.p. at Shawinigan Falls on the St. Maurice River by bringing into operation the second and third units each of 65,000 h.p. The Company also had under way a new development of 390,000 h.p. at La Trenché Rapids on the upper St. Maurice River, flow diversion having been completed in 1949; initial operation is expected in 1951. The Quebec Hydro-Electric Commission is building a new power-house at Beauharnois, St. Lawrence River, which will ultimately contain 11 units of 55,000 h.p. each, the first three units being scheduled for 1951 operation. In its Rapid VII Ottawa River Plant, the Commission completed the installation of a fourth unit of 16,000 h.p. Further down river, field surveys were conducted for a development at Rapid I. The Gatineau Power Company brought into service the third and final unit of 27,000 h.p. in its Bryson Plant on the Ottawa River, following completion of the regulating dam on the Rocher Fendu Channel. The Northern Quebec Power Company increased the capacity of its Quinze River Plant by 10,000 h.p. by raising the dam by 20 feet; the plant contained four units each of 12,500 h.p. and a fifth unit of 34,500 h.p. is under installation for 1950 operation. Ogilvie Flour Mills Company, Limited, added two new units of 1,600 h.p. each in its plant on the Lachine Canal and the Municipality of Jonquière completed a new development of 4,200 h.p. on the Au Sable River. Plant extensions under construction included: Electricité de Mont Laurier, Lièvre River, 2,700 h.p.; Pembroke Electric Light Company at Waltham, Black River, 3,000 h.p.; city of Rivière du Loup, on the Rivière du Loup, 1,800 h.p.

Ontario.—In Ontario, only a minor increase in installed capacity was reported in 1949, being 2,300 h.p. at the Upper Falls, Montreal River Plant of the Great Lakes Power Company, due to increased head following raising of the dam. However, the Hydro-Electric Power Commission of Ontario* had a tremendous program of construction actively under way with good progress reported on all projects. At Des Joachims, on the Ottawa River above Pembroke, the closure of the main dam was effected in September, 1949, construction of the power-house, penstocks and turbines was well advanced and tailrace excavation was under way; three units of 60,000 h.p. each are expected to be in operation late in 1950 and the remaining five units in 1951. At the Chenaux Development, Ottawa River, north of Renfrew, dam construction was nearing completion at the end of 1949 and power-house construction was under way; two of the eight units to be installed, each of 20,000 h.p., are scheduled for 1950 operation and the remainder for 1951. A third Ottawa River site, at La Cave Rapids above Mattawa, came under construction in 1949, the cofferdam and diversion channel being completed at the year's end and excavation for the main dam well advanced; there will be six units of 32,000 h.p. each and it

* In addition to its water-power projects, the Commission is constructing for 1951 operation two large auxiliary steam plants, one of 120,000 kw. (ultimately 240,000 kw.) at Windsor and one initially of 200,000 kw. at Toronto; pending completion of these plants, five emergency steam-electric generating stations totalling 61,000 kw. were put into operation in the Southern Ontario System late in 1949.