

The City of Edmonton in 1959 increased the capacity of its municipally owned plant to 180,000 kw. in seven units by the addition of a 30,000-kw. gas turbine unit. A 500-kw. diesel unit was installed by Northland Utilities Limited at its Lac la Biche plant. Canadian Sugar Factories Limited plan to install a 1,675-kw. unit for service in 1960 at Taber.

**British Columbia.**—Hydro-electric construction was active in British Columbia during 1959. A total of 199,000 hp. of new capacity was added, the major part of it by the British Columbia Electric Company Limited which placed in operation two units of 82,000 hp. each at its Bridge River No. 2 plant. Two similar units will be added in 1960 at this plant, increasing the total installed capacity to 328,000 hp. Mission Dam, which is being built in conjunction with the No. 2 development, will raise the head at the Bridge River No. 1 plant and thereby increase its output from 248,000 hp. to 276,000 hp. The British Columbia Power Commission completed construction of its Ash River development with the installation of a single unit of 35,000 hp. and has two developments in the planning stage—a 51,500-hp. installation at Kokish River on Vancouver Island and the single 43,000-hp. unit Pyramid Mountain-Murtle River development with an expected ultimate capacity of 172,000 hp. in four units. Other hydro-electric facilities planned for the province include the installation by the Northern British Columbia Power Company Limited of a second 6,000-hp. unit at its Falls River development on Big Falls Creek and the development by the City of Revelstoke of a site on Cranberry Creek where one unit of 5,700 hp. will be installed and a second similar unit provided for.

In the field of thermal power, the British Columbia Electric Company Limited completed work on its Port Mann gas turbine plant located on the south bank of the Fraser River near New Westminster; four units, each with a generator capacity of 25,000 kw., were placed in operation. At Ioco, on Burrard Inlet, the Company continued construction of a large steam plant designed for an ultimate capacity of six units, each rated at 211,000 hp. The first unit is scheduled for operation in 1961, the second in 1962, the third in 1964 and subsequent units when required by load growth. At Chemainus on Vancouver Island, the British Columbia Power Commission completed the installation of the remaining two gas-turbine units in its Georgia generating station, increasing the generating capacity to 87,040 kw. in four units. Numerous smaller capacities were added at existing plants of the Commission including 3,000 kw. at Dawson Creek, 1,200 kw. at Chetwynd, 1,000 kw. at Smithers, and 252 kw. at Alert Bay. Other additions to plants of the Commission are planned or are in active prospect for installation in 1960 including 9,000 kw. at Prince George, 6,000 kw. at Quesnel, 3,000 kw. at Dawson Creek, 1,100 kw. at Port Hardy and 1,000 kw. at Smithers. The Northern British Columbia Power Company Limited added a diesel unit with generating capacity of 2,034 kw. to its plant at Prince Rupert and the British Columbia Refining Company Limited had a 1,250-kw. unit near completion at its Vancouver plant.

**Northwest Territories and Yukon Territory.**—The Northern Canada Power Commission began construction early in 1959 of a development on the Snare River which will provide 9,200 hp. in one unit late in 1960 and make provision for a second similar unit.

During the year a diesel generating unit of 1,000 kw. was installed at Yellowknife and another of 100 kw. at Fort Simpson, and a 600-kw. steam turbine unit was installed at Inuvik. New thermal capacities are proposed for 1960 including 1,000 kw. at both Frobisher Bay and Fort Smith, 750 kw. at Inuvik and 250 kw. at Fort Simpson. With the completion of the Commission's Whitehorse Rapids generating station, the Yukon Electrical Company dismantled its 750-kw. diesel plant at Whitehorse, but installed a 500-kw. diesel plant at Watson Lake and increased the capacity of its diesel plant at Haines Junction from 150 kw. to 600 kw.