

being impounded. Initial installation at Big Bend will consist of one 200,000-hp. unit, scheduled for service in 1964. Work continued on the 150,000-kw. addition to the Company's Wabamun steam plant. Installation of this unit, scheduled for completion late in 1962, will raise the total installed capacity of the plant to 282,000 kw. in three units.

Canadian Utilities Limited transferred an 8,500-kw. gas turbine unit from Vermilion to Sturgeon, increasing the total installed capacity of the Sturgeon plant to 18,500 kw. in two units. The total capacity of the Vermilion station was increased to 39,500 kw. in five units by the addition of a 30,000-kw. gas turbine.

The City of Edmonton enlarged its thermal-electric generating station to permit the installation of an additional 75,000-kw. unit. Installation of this unit in 1963 will increase the station's total capacity to 330,000 kw. in nine units.

British Columbia.—In 1961, the Government of British Columbia enacted legislation to bring under public ownership the British Columbia Electric Company and also the interests of the Peace River Development Company, in so far as these interests applied to development of the Peace River hydro-electric project. In addition to filling a role similar to that of the British Columbia Power Commission, also a provincial agency, the British Columbia Electric Company now assumes responsibility for continuing the studies and planning initiated by the Peace River Development Company. During the year, the British Columbia Power Commission completed and placed in operation a 1,000-hp. development on Clayton Creek near Bella Coola. Installation of this unit represented the total increase in the province's hydro-electric capacity in 1961.

The Commission continued an active program of investigation of the Duncan Lake, High Arrow, and Mica storage developments in the Columbia River basin. These three developments, which constitute the basis of the Columbia River Treaty signed on behalf of Canada and the United States in January 1961, would be capable of controlling approximately 20,000,000 acre-feet of usable storage in Canada. The Treaty, not yet ratified by Canada, provides that Canada would receive one-half of the power benefits which result in the United States from the regulation of 15,500,000 acre-feet of this storage and one-half the value of the estimated flood damage prevented in the United States through operation of the projects for flood control.

The Consolidated Mining and Smelting Company of Canada Limited expects to place in service a third 120,000-hp. unit at its Waneta power plant on the Pend d'Oreille River in 1963.

In the field of thermal-electric power generation, the British Columbia Power Commission completed installation of one additional tri-fuel, 3,000-kw., internal combustion unit at Prince George and one at Quesnel. These units, previously scheduled to go into operation in December 1960, were not installed until March 1961. At Prince George, installation of a 3,000-kw. unit, originally scheduled for late 1961, was postponed; however, two 250-kw. units, transferred from an inactive plant, were brought into service at Blue River. In 1962, thermal-electric units varying in size from 250 kw. to 1,000 kw. are scheduled to be installed at a number of locations in the province, including Fort Nelson, Chetwynd, Valemount, Sandspit, Hazelton and Houston. These units, with a combined capacity of 4,700 kw., will be transferred from plants in which they are considered surplus.

Work progressed on the installation of a 26,000-kw. extraction back-pressure turbo-generator unit at the Port Alberni pulp and paper mill of MacMillan, Bloedel and Powell River Limited. This unit is scheduled for operation in November 1962.

The Yukon and Northwest Territories.—Installation of new electric power generating capacity in 1961 by the Northern Canada Power Commission was confined to the Northwest Territories. Three small diesel units with capacities totalling 325 kw. were placed in service at Fort Resolution. Existing generating equipment is considered adequate