

The company completed the installation of a 150,000-kw. gas turbine at the Wabamun plant, raising the installed capacity to 282,000 kw. in three units. The total generating capacity of the City of Edmonton's municipal thermal station will be increased to 330,000 kw. in May 1963 when a new 75,000-kw. steam unit goes into operation.

**British Columbia.**—In March 1962, as a result of legislation enacted by the Government of British Columbia, the British Columbia Power Commission and the British Columbia Electric Company Limited were amalgamated to form the provincial government agency known as the British Columbia Hydro and Power Authority.

Two contracts for preliminary projects associated with future development of the Peace River were completed in 1962, one involving construction of a 500-foot steel-arch access bridge near the Portage Mountain site and the other the driving of a pilot tunnel to obtain information for subsequent construction. First power from the Portage Mountain site is scheduled for 1968 and estimates indicate a feasible installation of approximately 4,200,000 hp. at two sites on the river.

The Power Authority continued its studies of the Duncan Lake, High Arrow and Nica developments. These three developments, which constitute the basis of the Columbia River Treaty signed on behalf of Canada and the United States in 1961, would be capable of controlling approximately 20,000,000 acre-feet of usable storage in Canada. The Treaty provides that Canada would receive half of the power benefits which result in the United States from the regulation of 15,500,000 acre-feet of this storage and half the value of the estimated flood damage prevented in the United States through operation of the projects for flood control. The Treaty had not yet been ratified by Canada by the end of 1962.

The Power Authority's Burrard thermal station near Vancouver went into operation in 1962 with one 150,000-kw. unit. A second unit with the same rating is scheduled for operation in 1963 and a third in 1964; ultimate capacity will be 900,000 kw. in six units. Increases in the capacities of a number of smaller thermal plants were reported in 1962: at Prince George, the addition of two units with a combined capacity of 2,000 kw. raised the total plant capacity to 23,000 kw.; at Chetwynd, two units totalling 1,800 kw. were added, bringing the total capacity of the plant to 3,000 kw.; and the capacity of the Alert Bay station on Vancouver Island was increased to 1,200 kw. by the addition of a 150-kw. unit. A new 1,200-kw. station went into service at Sandspit on the Queen Charlotte Islands.

Installation of the third unit at the Consolidated Mining and Smelting Company Limited Waneta hydro station on the Pend d'Oreille River, rated at 120,000 hp., will be in service in 1963 and will boost the total capacity of the plant to 360,000 hp. MacMillan, Bloedel and Powell River Limited completed the installation of a 25,000-kw. steam unit at the Port Alberni plant, raising the total capacity to 27,000 kw. The generating capacity of the Harmac plant at Nanaimo was raised to 5,250 kw. with the installation of a 4,000-kw. unit, and a 30,000-kw. unit will be installed at that plant in 1963. Bamfield Light and Power Company began initial service to the Bamfield area in the southwestern part of Vancouver Island with power from two 125-kw. generators. The City of Revelstoke carried out a survey in the Cranberry Creek watershed for the purpose of finding additional storage which would permit an increase in the capacity of the Cranberry Creek plant.

**The Yukon and Northwest Territories.**—In 1962, the net total of 3,100 kw. of thermal generating capacity put into service was confined to the Northwest Territories. The Northern Canada Power Commission installed a 600-kw. diesel unit at Fort Simpson and a 400-kw. unit at Fort Smith, bringing the total capacities of these plants to 1,075 kw. and 2,275 kw., respectively. Construction of a new power and central-heating plant was begun at Frobisher Bay in 1962; two new 1,000-kw. thermal units are being installed and two similar units transferred from the existing Frobisher Bay plant to give the new plant a generating capacity of 4,000 kw. Four 250-kw. units remaining at the existing plant