

An agreement with the City of Medicine Hat provides an additional 33,500 h.p. to the Company from the city's steam plant. Power from these plants is fed into a transmission network which supplies the entire electrical requirements of the cities of Calgary, Red Deer and Wetaskiwin, about 379 towns, villages and hamlets, and a substantial industrial load in central and southern Alberta. This transmission network is also connected with the municipal utilities of the cities of Edmonton and Lethbridge, Canadian Utilities Limited at Drumheller, Vegreville and Vermilion, and the East Kootenay Power Company in the Crowsnest Pass.

During 1955 two additions to the hydro system are scheduled for completion; these are the Pocaterra and Interlakes hydro-electric plants of 18,500 and 6,900 h.p. respectively.

The Company has about 4,100 miles of main transmission lines and 675 miles of distribution lines extending from Westlock in the north, Milk River and Waterton in the south, and from Chauvin, Macklin (Sask.), Brooks and Bow Island in the east, to Nordegg, Banff and Crowsnest Pass in the west. The cities of Calgary and Red Deer, and the towns of Ponoka, Fort Macleod and Cardston are supplied on a wholesale basis, but all other points on the same system are supplied on a retail basis. At June 30, 1955 electric pumping service was being supplied to over 2,000 oil wells, as well as service directly to other sectors of the oil industry, such as gathering stations, refineries and pipeline pumping. Service was also provided to other industrial plants near Edmonton.

An extensive farm electrification program is in progress in Alberta and at Dec. 31, 1954 the Company was serving 22,561 farms. The program calls for the addition of from 3,000 to 4,000 farms each year for several more years. Calgary Power constructs, operates and provides for the engineering of these co-operatives through a non-profit subsidiary (Farm Electric Services Limited), energy being supplied to the farm co-operative consumers at cost.

All statistics quoted are as at May 30, 1955 with the exception of the miles of line, which are quoted as at Dec. 31, 1954.

*Canadian Utilities Limited.*—Towns and villages to the north, east and west of Drumheller are supplied by a 19,000 kw. coal fired steam plant in that city. Towns and villages north and east of Vegreville are served by a 16,500 kw. plant in Vermilion having 9,000 kw. in gas fired steam equipment and 7,500 kw. in a gas turbine. Towns and villages east, north and west of Grande Prairie are served by two internal combustion plants. One, situated in Fairview, has 1,200 kw. in a natural gas unit—the other in Grande Prairie has 3,195 kw. in diesel and gas diesel installations. The Company has one plant in British Columbia—a 900 kw. gas diesel station in Fort St. John. There are tie lines with the Calgary Power Limited system at Vermilion, Vegreville and Drumheller. The Company serves over 32,900 customers in approximately 275 towns, villages and hamlets, including 108 Rural Electrification Associations in the Province, through a network of approximately 2,660 miles of transmission and distribution lines in addition to 5,300 miles of Rural Association lines. Since 1949 rural electrification in the territory served has been extended to farmers on a co-operative basis whereby the farm or Rural Electrification Association system is constructed and operated at cost for the farmer by the Company. Over 7,000 farmers are now receiving electric power service.

*Northland Utilities Limited.*—This Company, with headquarters at Edmonton, supplies electric energy to 5,923 consumers in 26 communities. Diesel generating plants are located at Jasper, Athabasca, High Prairie, McLennan, Peace River, Lac La Biche, Manning, Fairview and at Hay River, N.W.T. Low voltage transmission lines extending from these generating stations supply electricity to 707 farms and 17 villages. The Company also operates a hydro plant at Jasper.

Northland Utilities Limited serves 1,600 consumers with natural gas at Dawson Creek and Pouce Coupé, B.C. In Alberta natural gas service is supplied to 1,858 consumers in Fairview, Bluesky, Grande Prairie, Sexsmith, Rycroft and Spirit River.