

The Company has five reservoirs on the Bow River and its tributaries:—

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| Lake Minnewanka..... | 180,000 acre-feet |
| Interlakes (Upper Kananaskis Lake)..... | 100,000 acre-feet |
| Pocaterra (Lower Kananaskis Lake)..... | 53,000 acre-feet |
| Spray Lakes..... | 210,000 acre-feet |
| Ghost..... | 75,000 acre-feet |

An agreement with the City of Medicine Hat provides an additional 33,500 hp. to the Company from the city's steam plant. Power from these plants is fed into a transmission network which supplies the entire electricity requirements of the cities of Calgary, Red Deer, Wetaskiwin and Camrose, about 450 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.

The Company has about 5,001 miles of main transmission lines and 3,522 miles of distribution lines extending from Judy Creek and Plamondon in the north to Milk River and Waterton in the south, and from Chauvin, Macklin (Sask.), Hilda and Walsh in the east to Hinton, 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 Dec. 31, 1960, electric pumping service was being supplied to more than 4,100 oil wells, as well as direct service to such other sectors of the oil industry as gathering stations, refineries and pipeline pumping. Several industrial plants near Edmonton were also served.

An extensive farm electrification program is in progress in Alberta and at Dec. 31, 1960 the Company was serving 37,114 farms. Calgary Power constructs, operates and provides for the engineering of these co-operatives through a non-profit subsidiary (Farm Electric Services Limited) and energy is supplied to the farm co-operative consumers at cost.

Canadian Utilities, Limited.—This company, with head office at Edmonton, supplies three major areas in the province, covering 35,000 sq. miles: the Grande Prairie District, outlined by the British Columbia border, Hythe, Spirit River, Lesser Slave Lake, Smith, Swan Hills, Fox Creek and the city of Grande Prairie; the Vegreville District, outlined by Vegreville, Smoky Lake, Cold Lake, the Saskatchewan border, the city of Lloydminster and the town of Vermilion; and the Drumheller District, outlined by Three Hills, Stettler, Forestburg, Consort, the Saskatchewan border, Empress, the Red Deer River, Cessford and the city of Drumheller.

Three interconnected plants supply the Grande Prairie District: a 1,300-kw. natural-gas diesel unit at the Fairview plant, several diesel and gas diesel units totalling 5,800 kw. at the Grande Prairie plant, and a 10,000-kw. gas turbine, which burns sour flare-gas from nearby oilfields, at the Sturgeon plant. In addition, an 8,500-kw. gas turbine is being moved from Vermilion to the Sturgeon plant in 1961; and two tie-lines with Northland Utilities are used by the two companies to serve the Peace River-Grande Prairie area. Three interconnected plants supply the Vegreville and Drumheller Districts: a 32,000-kw. coal-fired steam unit at the Battle River plant, three coal-fired turbines totalling 19,000 kw. at the Drumheller plant, and four gas-fired steam turbines totalling 9,000 kw. at the Vermilion plant, where a new 30,000-kw. gas turbine is being installed in 1961. Tie-lines with Calgary Power are used by both companies for interchange of power. Smaller isolated diesel plants totalling 815 kw. supply Fort Chipewyan, Smith, Anzac and Simonette in Alberta and Hudson Hope in British Columbia.