

be remote-controlled as soon as the installations can be made. The Company has reservoirs at Lake Minnewanka (180,000 acre-feet), Interlakes (Kananaskis Lakes) (90,000 acre-feet), Spray Lakes (200,000 acre-feet), and forebay storage of 74,000 acre-feet at Ghost.

Power from these plants, together with that received under interchange agreements with the cities of Lethbridge and Edmonton, is fed into a transmission network which supplies the entire electrical requirements of the cities of Calgary and Red Deer and 235 smaller urban centres in central and southern Alberta. At Dec. 31, 1952, over 1,400 oil wells were being supplied with electric pumping service as well as other requirements directly related to the oil industry, such as gathering stations, refineries, pipeline pumping, and the many large industrial plants recently located near Edmonton.

Calgary Power Limited transmission system, comprising over 4,100 miles of lines of all voltages, extends from Westlock in the north to Milk River in the south and from Macklin (Saskatchewan), Chauvin, Brooks and Taber in the east to Nordegg, Banff and Crowsnest Pass in the west. An eastern extension will soon be completed to link a new 30,000-kw. power plant at Medicine Hat with the system. The cities of Calgary and Red Deer and the towns of Ponoka, Macleod and Cardston are supplied on a wholesale basis and own their own distribution systems. All other points on the system are supplied on a retail basis. The Company has 3,529 miles of main transmission lines and 600 miles of distribution lines.

An extensive farm-electrification program is in progress in Alberta and at Mar. 31, 1953, the Company was serving approximately 15,288 farms over 10,000 miles of the farmer-owned Rural Electrification Co-operative Association rural transmission lines. The program calls for the addition of from 3,000 to 4,000 farms each year for the next several years. Calgary Power does all the engineering, construction and operation of these co-operatives through a non-profit subsidiary (Farm Electric Services Limited), energy being supplied to the farm co-operative consumers at cost. Expenditure during the next five years for additional plant capacity, transmission lines and distribution systems is estimated at \$50,000,000.

*Canadian Utilities Limited.*—Towns and villages northeast of Drumheller are supplied from a 19,000-kw. steam plant in that city by Canadian Utilities Limited, while towns and villages north and east of Vegreville are served from a new gas-fired 8,000-kw. steam plant at Vermilion. There are tie lines with the Calgary Power Limited system at Vermilion, Vegreville and Drumheller. This utility also serves the areas around Grande Prairie from a 3,600-h.p. diesel engine plant located at that centre. The Company serves over 24,900 customers in approximately 204 towns, villages and hamlets, including 50 Rural Electrification Associations in the Province, through a network of approximately 2,000 miles of transmission lines and 2,150 miles of Rural Association lines. In 1949, the Company embarked on a program of extending its lines to farmers on a co-operative basis. The system is constructed and operated at cost for the farmer.

*Northland Utilities Limited.*—This Company, with headquarters at Edmonton, supplies electric energy to 5,376 consumers in 27 communities. Diesel generating plants are located at Jasper, Mayerthorpe, Athabasca, High Prairie, McLennan, Peace River, Lac La Biche, Manning, Fairview, Wildwood and Hay River, N.W.T. Low-voltage transmission lines extending from these generating stations supply