

not to mention all the other loads directly related to the oil industry, such as gathering stations, refineries, pipe-line 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 Dec. 31, 1951, the Company was serving approximately 10,500 farms over 7,500 miles of the farmer-owned Rural Electrification Co-operative Association rural transmission lines. The program calls for the addition of from 2,500 to 3,000 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. Expenditures during the next five years for additional plant capacity, transmission lines and distribution systems will amount to an estimated \$50,000,000.

Canadian Utilities Limited.—Towns and villages northeast of Drumheller are supplied from a 13,500 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 7,500 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 2,300 h.p. diesel-engine plant located at that centre. The Company serves over 22,700 customers, in approximately 180 towns, villages and hamlets, including 48 Rural Electrification Associations in the Province, through a network of approximately 1,700 miles of transmission lines, and 1,375 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 4,750 consumers in 25 northern communities. Diesel-generating plants are located at Jasper, Mayerthorpe, Athabaska, 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 electricity to 200 farms and 14 villages. In addition, in 1948 the Company constructed a 665 kva. hydro plant on the Astoria River in Jasper National Park for the Department of Mines and Resources.

The Northland Utilities Limited also serves 1,000 consumers at Dawson Creek, B.C., with natural gas.

British Columbia.—The British Columbia Power Commission was appointed Apr. 17, 1945, under the provisions of the Electric Power Act, "an Act to provide for improving the availability and supply of electric power". Actual operations,