

Municipality of Lacombe.—Con.**Plant.—Con.**

Installation.—Plant operates under an average head of 24 feet; Turbine—1 Madison Williams 30-inch, hor., single runner, 200 h.p., 225 r.p.m.; Generator—1 Crocker-Wheeler, A.C., 3-phase, 60-cycle, 60 k.w., 1,200 r.p.m.; Exciter—1 generator, 1½ k.w., 1,400 r.p.m., direct connected to main generator shaft; Auxiliary Plant—1 Waterous, 300 h.p. boiler, 1 Waterous, 155 h.p. reciprocating steam engine.

Power. *Transmission Lines.*—8 miles of wooden pole line serves the municipality of Lacombe.

Use of Power.—Power is used for lighting only.

Power is delivered adjacent to Canadian Pacific Ry.

LETHBRIDGE.

Municipality of Lethbridge. (Fuel Power Plant No. 5AD.). May, 1918.

Officials.—W. D. L. Hardie (Mayor); D. A. Duff (City Clerk); M. Freeman (Commr. Utilities); A. M. Grace (Commr. Works).

History.—Plant was originally owned by Lethbridge Water Works and Electric Light Company, Ltd., and was acquired and rebuilt by the municipality.

Capital invested in Plant and Equipment.—\$602,692.

Plant. *Official.*—J. T. Watson (Ch. Engr.).

Location.—Plant located in Lethbridge adjacent to Canadian Pacific Ry.

Installation.—Boilers—8 Babcock & Wilcox, total 2,520 h.p.; Steam Engines—2 Belliss & Morcom, reciprocating, 440 h.p. and 750 h.p.; Steam Turbine—1 Willans & Robinson, 2,300 h.p.; total prime power, 3,490 h.p.; Generators—1 West., A.C., 2-phase, 350 k.v.a., 360 r.p.m., 1 West., A.C., 2-phase, 580 k.v.a., 360 r.p.m., 1 Siemens, A.C., 2-phase, 1,500 k.v.a., 3,600 r.p.m., 1 Siemens, D.C., 50 k.w., 600 r.p.m., total 2,430 k.v.a. and 50 k.w.

Power. *Local distribution lines* serve the municipality of Lethbridge.

Use of Power.—Power is used for lighting, operation of street railway, operation of pumping plant, and general power purposes.

Power is delivered adjacent to Canadian Pacific Ry.

The ultimate designed capacity of plant is 4,720 h.p. and the municipality contemplates installing one Curtis turbo-generator of 1,250 k.w. capacity.

When the new unit is installed, the municipality will have 1,000 h.p. available for sale; rates range from 6 to 2 cents per k.w. hr.

LLOYDMINSTER.

Served by Lloydminster Electric Light Plant; see Lloydminster, Sask.

MACLEOD.

Municipality of Macleod. (Fuel Power Plant No. 5AB.). May, 1918.

Officials.—D. J. Grier (Mayor); E. F. Brown (Sec.-Treas.).

History.—First unit installed in 1907; an additional unit in 1909.

Capital invested in Plant and Equipment.—\$61,000.

Plant. *Official.*—G. H. Altham (Supt. and Ch. Engr.).

Location.—Plant located in Macleod, Alta.

Installation.—Plant uses natural gas for fuel. Boilers—4 Robb-Munford, 125 h.p. each, total 500 h.p.; Steam Engines—2 reciprocating, 180 h.p. and 450 h.p., total 630 h.p.; Generators—1 Allis-Chalmers, A.C., 3-phase, 60-cycle, 110 k.w., 277 r.p.m., 1 Westn., Elect., A.C., 3-phase, 60-cycle, 260 k.w., 150 r.p.m., total 370 k.w.; Exciters—1 generator, 9 k.w., 120 v., belted to main unit, 1 generator, 20 k.w., 120 v., direct connected to main unit.

Power. *Local distribution lines* serve the municipality of Macleod.

Use of Power.—Power is used for lighting and general power purposes.

Power is delivered adjacent to Canadian Pacific Ry.

ALBERTA.