

West Kootenay Power and Light Company, Ltd.—Con.

Officials.—C. R. Hosmer, Montreal, Que. (Pres.); L. A. Campbell, Rossland, B.C. (Vice-Pres. and Gen. Mgr.); James J. Warren, Trail, B.C. (Mng. Dir.); F. E. McNally, Montreal, Que. (Sec.); Thos. S. Gilmour, Rossland, B.C. (Audr.); J. D. McDonald, Rossland, B.C. (Gen. Supt.).

History.—Lower Bonnington Falls plant installed in 1897, with an additional unit in 1899. Upper Bonnington Falls plant installed in 1906, with additional units in 1914 and 1916. Cascade plant installed in 1902 by the Cascade Water, Power and Light Company, Ltd., and taken over by the present company in 1907.

Capital.—Authorized, \$2,500,000. Issued, \$2,500,000.

Debenture Stock.—Authorized, \$1,500,000. Issued, \$1,500,000.

Capital invested in Plant and Equipment.—Lower Bonnington Falls and Upper Bonnington Falls plants combined, \$3,640,146. Cascade plant, \$278,308.

Plants.**Lower Bonnington Falls Plant.** (Hydro Power Plant No. 8NJ₅). Sept., 1918.

Location.—Plant located at Lower Bonnington falls, on Kootenay river, 18 miles from Nelson.

Installation.—Plant operates under an average head of 37 feet. Turbines—2 Victor, 39-inch, hor., double runner, 1,000 h.p. each, 180 r.p.m., 1 Victor, 45-inch, hor., double runner, 1,648 h.p., 180 r.p.m., total 3,648 h.p.; Generators—2 Can. Gen. Elect., A.C., 3-phase, 60-cycle, 750 k.w. each, 180 r.p.m., 1 Can. Gen. Elect., A.C., 3-phase, 60-cycle, 1,500 k.w., 180 r.p.m., total 3,000 k.w.; Exciters—3 12-inch turbines, 40 h.p. each, 3 generators, 30 k.w. each, 600 r.p.m.; Transformers—4 banks, Can. Gen. Elect., single-phase, air-cooled, primary 1,100 v., secondary 22,000 v., 1,000 k.v.a. per bank.

Upper Bonnington Falls Plant. (Hydro Power Plant No. 8NJ₁). Sept., 1918.

Location.—Plant located at Upper Bonnington falls, on Kootenay river, about one mile above Lower Bonnington Falls plant.

Installation.—Plant operates under an average head of 67.5 feet. Turbines—2 I. P. Morris, 60-inch, vert., Francis, 9,000 h.p. each, 180 r.p.m., 2 Allis-Chalmers, 65-inch, vert., Francis, 10,000 h.p. each, 180 r.p.m., total 38,000 h.p.; Generators—2 Can. Gen. Elect., A.C., 3-phase, 5,625 k.v.a. each, 180 r.p.m., 2 Can. Gen. Elect., A.C., 3-phase, 7,500 k.v.a. each, 180 r.p.m., total 26,250 k.v.a.; Exciters—2 25.5-inch turbines, 500 h.p. each, 400 r.p.m., 2 generators, 150 k.w. each, 400 r.p.m.; Transformers—2 banks of 3, Can. West., single-phase, water-cooled, oil insulated, primary 25,000 v., secondary 60,000 v., 2,000 k.v.a. each, 2 banks of 3, Can. West., single-phase, water-cooled, oil insulated, primary 25,000 v., secondary 60,000 v., 1,875 k.v.a. each, 1 bank of 3, Can. West., single-phase, water-cooled, oil insulated, primary 25,000 v., secondary 60,000 v., 1,250 k.v.a. each.

Cascade Plant. (Hydro Power Plant No. 8NN₁). Sept., 1918.

Location.—Plant located on Kettle river, 12 miles below Grand Forks, on the Canadian Pacific Ry.

Installation.—Plant operates under an average head of 156 feet. Turbines—3 S. Morgan Smith, 39-inch, hor., double runner, 1,300 h.p. each, 400 r.p.m., total 3,900 h.p.; Generators—3 West., A.C., 3-phase, 60-cycle, 750 k.w. each, 400 r.p.m., total 2,250 k.w.; Exciters—2 12-inch turbines, 60 h.p. each, 1,100 r.p.m., 2 generators, 45 k.w. each, 1,100 r.p.m.; Transformers—3 West., single-phase, natural cooled, oil insulated, primary 2,200 v., secondary 22,000 v., 390 k.v.a. each.

Power. *Transmission Lines*.—89 miles of wooden pole lines from Lower Bonnington Falls and Upper Bonnington Falls plants, and 32 miles of wooden pole lines from Cascade plant, serve the municipalities of Rossland, Trail, Grand Forks, Phoenix, Greenwood and Boundary Falls.

BRITISH COLUMBIA