

been virtually completed. The spillway for the Kenney Dam on the Nechako River is now ready for operation. No definite commitment beyond the present installation of 420,000 h.p. has been made although ultimate capacity is more than 2,000,000 h.p.

Alaska Pine and Cellulose Limited completed the installation of a 3,200-h.p. turbine driving a 2,500-kva. generator in its plant at the outlet of Victoria Lake, Vancouver Island. Plant capacity is now 4,400 h.p., the power being used principally for pumping purposes.

The East Kootenay Power Company Limited has completed the construction of a new dam on the Bull River to serve the Aberfeldie plant of 7,200 h.p. The head is unchanged at 275 feet but about one mile of wood-stave pipe has been eliminated.

The Northern British Columbia Power Company Limited has installed a diesel unit of 2,750 h.p. as auxiliary to its hydro-electric installations. The Powell River Company Limited has added a 13,125-kv. steam turbo-generator to supply additional power to its mill at Stillwater. The City of Nelson has rebuilt its 10-mile transmission line from the Kootenay River plant and raised the voltage to 66 kv.; also new substations at both ends of the line have been completed.

Yukon Territory

The Yukon Hydro Company Limited, serving the town of Whitehorse, has added a Pelton wheel of 940 h.p. driving an 875-kva. generator to its Porter Creek plant, to bring capacity to 1,390 h.p.

Surveys and investigations which were initiated during the year will be continued in 1954 by Ventures Limited and its subsidiary companies, Frobisher Limited and Quebec Metallurgical Industries Limited, on a proposed major development in southwestern Yukon Territory or northwestern British Columbia, which would involve the storage of Yukon River headwaters and their diversion through the Coastal Range, thus utilizing the potential high head available at tidewater along the Pacific slope. Preliminary planning now under way indicates that the first step in development of this project would be the installation of a small plant on one of the rivers on the Pacific slope.

Alberta

Calgary Power Limited has under installation a third unit rated at 33,000 h.p. in its Ghost plant on the Bow River and operation is scheduled for June 1954; this will bring plant capacity to 69,000 h.p. Construction is proceeding on the Bearpaw development, on the Bow River near Calgary, to consist of one unit of 22,000 h.p. for operation in late 1954 or early 1955. In connection with the Spray River development, two pump stations are being installed to raise water from Goat Creek into the Spray canal; this additional water is expected to increase the annual output of the Spray and Rundle plants by about 75,000,000 kw.hrs. The transmission system was extended by 84 miles of 138-kv. line, 24 miles of 66-kv., 7 miles of 33-kv., and 76 miles of 22-kv. The Company now serves 14,000 farms, an increase of 4,000 during 1953.