

and fourth units, comprising the second 50,000 h.p. block at the John Hart development are already being installed. This phase is expected to be completed by Sept. 30, 1949, and has necessitated the building of a large storage dam enlarging Lower Campbell Lake.

On the mainland another major construction project is under way at Whatshan near the west side of Upper Arrow Lake. This plant in the interior of the Province is designed for an ultimate 60,000 h.p. The first stage of development calls for two 15,000 h.p. units, which are at present under construction and will be in operation in 1951. Power from this plant will be transmitted 75 miles to Vernon in the Okanagan Valley over a 138 kv. line. In addition a 65-mile 63 kv. volt line has been built to connect Vernon with Kamloops on the main line of both transcontinental railways. In this way a large area in the interior of the Province will be served by the Commission through water power.

By April, 1949, the Commission owned and operated 19 generating stations comprising 1 steam plant, 5 hydro plants, and 13 diesel plants. The total rated capacity of these plants was 69,583 kva. Electricity was distributed in 19 distinct power districts and supplied wholesale to one municipality. In 14 of these areas promotional rates have been introduced to "permit and encourage the maximum use of power" as required by the Act. Over 34,000 customers are being served by the Commission at this date. Of this figure nearly 10,000 represent new services installed by the Commission, indicating a considerable extension of service over a three-year period.

Table 22 shows the rapid growth achieved by the Commission from 1947-49.

22.—Growth of the British Columbia Power Commission, Years Ended Mar. 31, 1947-49

Item	1947	1948	1949
Number of customers.....	23,039	27,470	31,619
Installed plant capacity Kva	18,450	68,060	69,583
Miles of Line—			
Transmission (high voltage).....	181	285	285
Distribution primaries.....	905	1,131	1,389
Power generated and purchased..... Kwh	50,951,849	82,533,340	132,685,512
Annual revenue..... \$	1,411,834	2,146,689	2,550,263
Average revenue per kwh. sold..... cts	3.2	3.3	2.3
Capital Investment—			
Generation plant..... \$	3,024,270	3,324,946	10,634,242
Transmission plant..... \$	800,769	821,182	4,733,438
Distribution and general plants..... \$	3,267,284	4,453,077	5,612,301
Totals, Capital Investment..... \$	7,092,323	8,599,205	20,979,981