

The Commission's main development on Vancouver Island, the building of a hydro-electric plant, the "John Hart Development", on Campbell River, designed for an ultimate capacity of 180,000 h.p., was officially opened on Dec. 15, 1947. The first two units comprising 50,000 h.p. now supply power to the territory north of Duncan over a 104-mile—132,000 volt double circuit transmission line making electric energy available to industries that may be attracted to this readily accessible area of Vancouver Island.

On the mainland another major construction project is underway at Whatshan near the west side of Upper Arrow Lake. This is the result of several surveys to locate a suitable source of power in the interior of the Province. The plan calls for immediate construction of two 15,000 h.p. units and a 75-mile—138,000 volt transmission line to Vernon in the rich Okanagan Valley. In this way a large area in the interior of the Province will be served by the Commission as a 65-mile—63,000 volt line is now under construction between Vernon and Kamloops on the main line of both transcontinental railways.

Early in 1948 the Commission owned and operated 21 generating stations comprising 2 steam plants, 9 hydro plants (some of which were operated in conjunction with small diesel plants) and 15 diesel plants. The total rated capacity of these plants was 68,120 kva. Electricity was distributed in 18 distinct power districts and supplied wholesale to one municipality. In 11 of these areas a promotional rate structure has been introduced to "permit and encourage the maximum use of power". Over 26,500 customers were being served by the Commission at the beginning of 1948. Of this figure 5,200 represented new services installed by the Commission, a growth of 20 p.c. in approximately a two-year period.

Subsection 3.—Private Ownership of Central Electric Stations

Summary statistics of privately owned central electric stations are given for the years 1930 to 1946 in Table 21.

21.—Summary Statistics of Privately Owned Central Electric Stations, 1930-46

Year	Power Plants	Customers	Electric Energy Generated	Power Equipment ¹	
				Water Wheels and Turbines	Total
				h.p.	h.p.
1930.....	421	745,608	12,937,014	3,690,095	3,914,474
1931.....	396	756,285	12,191,139	3,916,720	4,171,305
1932.....	402	776,400	12,338,216	4,426,235	4,704,523
1933.....	403	776,581	13,665,974	4,563,973	4,842,686
1934.....	402	760,462	16,060,883	4,817,600	5,097,613
1935.....	397	779,400	17,767,949	4,992,805	5,274,174
1936.....	390	802,676	18,515,225	4,866,471	5,146,863
1937.....	389	833,711	20,315,627	5,047,253	5,336,811
1938.....	406	859,506	19,488,323	5,142,432	5,300,183
1939.....	427	889,418	21,285,710	5,226,483	5,385,632
1940.....	421	926,093	22,287,270	5,544,803	5,708,664
1941.....	424	954,906	24,784,691	5,753,150	5,917,160
1942.....	428	985,059	28,177,387	6,099,440	6,269,386
1943.....	425	1,009,603	31,082,239	7,069,774	7,239,936
1944.....	424	753,239	25,688,581	6,175,674	6,373,523
1945.....	392	766,554	25,530,857	6,098,240	6,294,121
1946.....	397	826,091	26,997,716	6,104,383	6,301,996

¹ Exclusive of auxiliary equipment.