

The highest Saturday peak was 334,200 kW. between 1730 and 1800 hours on the 17th July, 1948. Last year the peak was 302,000 kW. between 1730 and 1800 hours on 19th July, 1947.

The highest Sunday peak was 324,200 kW. between 1130 and 1200 hours on the 22nd August, 1948, compared with 288,700 kW. between 1200 and 1230 hours on the 10th August, 1947.

The greatest weekly generation was 42,648,800 units during the week ended Sunday the 22nd August, 1948, an increase of 9·4 per cent. on last year's figure of 38,969,000 units. The maximum generation on any one day was 6,430,100 units on Wednesday, the 18th August, 1948 (last year, 5,969,000 units), an increase of 7·7 per cent. The highest Saturday generation was 5,715,000 units on 31st July, 1948 (last year, 5,389,000 units), an increase of 6·05 per cent. The highest Sunday generation was 5,431,500 units on 22nd August, 1948 (last year, 4,923,000 units), an increase of 10·03 per cent.

The total system generation by all plants in the North Island for the financial year ended 31st March, 1949, was 1,936 million, compared with 1,778 million units for the previous year, an increase of 8·9 per cent. The system units generated by Government-owned plants only, plus units purchased from Supply Authorities, were 1,868 million units for the year ended 31st March, 1949, compared with 1,718 million units for the previous year, an increase of 8·7 per cent.

Generation details by Government plants plus units purchased for resale (compared with 1947-48) are as follows:—

Station.	Year Ended 31st March, 1949.			Year Ended 31st March, 1948.		
	Maximum Kilowatts.	Units Generated.	Annual Load Factor.	Maximum Kilowatts.	Units Generated.	Annual Load Factor.
Arapuni	151,000	742,468,000	56·2	152,500	725,660,000	54·5
Horahora* .. ..	..	..	..	11,100	721,000	74·5
Karapiro	96,200	488,667,000	58·0	67,200	349,568,000	59·4
King's Wharf	27,600	40,147,000	16·6	28,700	40,006,000	15·9
Mangahao	21,900	114,109,000	59·5	21,300	86,558,000	46·5
Penrose .. ..	..	2,011,000	..	..	1,762,000	..
Piripaua	118,900	131,133,000	35·7†	100,200	165,492,000	47·8
Tuaiti		198,627,000			252,308,000	
Kaitawa		40,623,000			..	
	..	1,757,785,000	..	..	1,622,075,000	..

Auxiliary and standby stations—

Evans Bay	68,250,000	49,514,000
Kourarau	3,371,000	3,358,000
New Plymouth	15,619,000	14,527,000
Onehunga	1,007,000	1,762,000
Opunake	1,866,000	1,477,000
Palmerston North	3,280,000	1,992,000
South Taranaki	1,185,000	1,025,000
Taumarunui	3,567,000	3,606,000
Tauranga	7,339,000	7,413,000
Wilson's	1,865,000	3,000,000
Other miscellaneous	3,106,000	8,660,000

Total units generated and purchased 1,868,240,000

1,718,409,000

* Shut down 4th April, 1947. † Kaitawa not in full service until October.