

*Pahautanui*.—The new switch-room building has been completed. The 11 kV. switchgear, which arrived in bad condition, was cleaned and put into good order, and a start was made with its installation.

*Khandallah*.—The new 20 M.V.A. synchronous condenser was put into service on 10th September, 1947. Subsequently it was found necessary to rebalance it as vibrations affected communications apparatus. Land was acquired for staff housing and a contract let for five houses.

*Upper Hutt*.—The erection of the new 11 kV. switchgear in the new switch-room was practically finished (commissioned on 7th April, 1948).

*Maungatapere*.—A site for the new substation was selected, contour survey made, and investigation made for water supply.

(c) 50 kV.

*Takapuna*.—The necessary protection was completed, and the two-line O.C.B.s, Henderson-Takapuna, were put into service.

*Tahereroa*.—A new 11 kV. panel was installed.

*Mareretu*.—Arrangements were made with the Public Works Department to undertake construction of a water-supply scheme involving the building of a dam and associated works.

*Maungatapere*.—An induction regulator was installed.

*Kaikohe*.—An automatic booster was installed.

*Kaitiaki*.—The concrete pads were prepared to receive the 1,500 kVA. banks for the condenser installation. An automatic booster was installed.

*Aongatete*.—New 11 kV., seven-panel, metal-clad switchgear was put into service on 12th October, 1947.

*Hangatiki*.—A 1,500 kVA. 50/11 kV. transformer bank from Edgecumbe was put into service with the existing 750 kVA. bank on 22nd June, 1947, and two new 1,500 kV. booster transformers were put into service in July, together with an additional 11 kV. feeder O.C.B. and a 50 kV. automatic earthing-switch. The erection of a new 50 kV. steel structure and switchgear was completed, and the old structure was dismantled.

*Kerepehi*.—The 11 kV. switchgear was by-passed and dismantled in March, and the installation of new 11 kV. nine-panel, metal-clad switchgear is in progress.

*Lichfield*.—A second 1,000 kVA., 50/11 kV. three-phase transformer was put into service on 27th July, 1947. Buchholz relays have been fitted to the transformers.

*Matamata*.—New 11 kV., seven-panel, metal-clad switch-gear ordered for Addington was erected, and the old switchgear was dismantled. Three of the new panels were connected up in May, two in June, and one in September. The erection of an additional panel is proceeding.

*Te Awamutu*.—The installation of new 11 kV., ten-panel, metal-clad switchgear, together with a bus-sectionalizing unit, was completed, and the old switchgear was dismantled. Five of the new panels were put into service in July, and three in April (1948). A 3,000 kVA. booster-transformer was put into service on 10th August, 1947.

*Te Puke*.—A second 2,250 kVA. 50/11 kV. transformer-bank and a booster-transformer from Waihou are being installed and will soon be ready for service. The new 11 kV., seven-panel, metal-clad switchgear will be put into service in place of the temporary switchgear at the same time as the second transformer-bank.

*Waikino*.—The old 11 kV. switchgear on supply to the Power Board was replaced by new, four-panel, metal-clad switchgear on 1st December, 1947.