

New Plymouth (Projected).—A site has been selected on the outskirts of the borough, land transfer plans prepared, and instructions given for its Proclamation.

Khandallah.—The erection of the 20,000 kVA. synchronous condenser commenced last year has proceeded slowly. A prototype of the pneumatic spring closing-gear for the 11 kV. switchgear was designed and successfully tested. One 110 kV. oil circuit-breaker of greater rupturing-capacity was installed in Khandallah-Mangahao lines.

Central Park.—The second 30,000 kVA. transformer bank and the T.C.O.L. gear for this bank was put into service in December, 1946. The Wellington City Corporation installed its supervisory control gear for the operation of the 11 kV. switchgear. The substation is now complete, except for the erection of the operator's residence and the finishing of the erection of T.C.O.L. gear on the first bank.

Melling.—A 110 kV. lightning-arrester was erected and the second 20,000 kVA. transformer bank put into service in February, 1947.

Upper Hutt.—The switch-room building was completed, and the erection is proceeding of the 11 kV. switchgear which has been cleaned and repainted.

Pahautanui.—Considerable progress has been made with the erection of the new switch-room building.

(c) 50 kV.

Takapuna.—A new 50 kV. control-board was manufactured and installed.

Belmont.—An 18 inch standard panel was supplied and fitted for the Waitemata Electric-power Board metering. Preparatory work for a control-board was carried out.

Edgumbe.—The 1,500 kVA., 50/11 kV. transformer bank and booster transformer were replaced on 28 July, 1946, by a 3,000 kVA. transformer bank and booster transformer. Tenders are being called for 110 kV. and 50 kV. outdoor switchgear and steelwork.

Hangatiki.—The installation of a 1,500 kVA. 50/11 kV. bank of transformers from Edgumbe and two new 1,500 kVA. regulating transformers is in progress.

Huntly.—Five new 11 kV. feeder O.C.B.s were put into service in place of the existing switchgear on 12th May, 1946, and an additional feeder O.C.B. was connected up in December. The old switchgear has been transferred to Ohai.

Lichfield.—The installation of a second 1,000 kVA. three-phase transformer is in hand.

Maratai.—A 2,250 kVA. 50/11 kV. substation was put into service on 31st May, 1946, to supply the village and construction works.

Ngongotaha.—The new 11 kV. switchgear in the new switch-room was put into service on 14th April, 1946. The 11 kV. and 6.6 kV. switchgear in the old switch-room and the old 50 kV. structure have been dismantled.

Waikuku.—A 5,000 kVA. 50/11 kV. transformer bank and temporary switchgear were put into service as a second supply point for the Franklin Electric-power Board on 6th June, 1946. A concrete switch-room has been built by the Department and the installation of 11 kV. switchgear has commenced.

Wairoa.—The installation of switchgear and metering equipment was completed and the total load transferred from the old substation on the 15th December. Construction of switch-room, houses, &c., was completed during the year 1942-43.

(d) 33 kV.

Stratford.—It has been decided that the 33 kV. supply shall be given from 110 kV./33 kV. transformers instead of from 50 kV./33 kV. transformers as at present. This has been made possible by the allocation from other Districts of a 10,000 kVA. transformer bank, a 33 kV. steel structure, and most of the associated switchgear.