

Oamaru.—An 18 ft. extension of the switchroom was completed. Installation of a new 10,000 kVA. transformer bank and a new eight-panel set of 11 kV. switchgear is proceeding.

Halfway Bush.—The installation of the two new 20,000 kVA. 110/33 kV. transformer banks was completed, the first bank going into service on 9th August, 1949, and the second on 2nd November, 1949.

Studholme.—The survey and site plan were completed.

Edendale.—All concrete foundations, footings, and pads were completed, the traverser track formed, and the control panels and equipment were assembled and installed.

(b) 66 kV.

Arahura.—Installation of the new 5,000 kVA. 66/11 kV. automatic tap-changing transformer bank was completed and went into service on 18th September, 1949.

Islington.—Construction of a temporary 12,000 kVA. 66 kV. substation to give supply to the Springs-Ellesmere Power Board was commenced in September. Terminal structures, transformer bank, and store were completed and switchgear is being installed.

Southbrook.—A survey and site plan have been completed for the 66 kV. substation which will replace the present 33 kV. substation supplying the North Canterbury Electric-power Board at Rangiora.

Invercargill. The contractor made good progress with the switchroom and workshop buildings.

(c) 33 kV.

Waipara.—A second 1,000 kVA. 11 kV. voltage-regulator was installed.

3. TRANSMISSION AND DISTRIBUTION

(a) 220 kV. Lines

Roxburgh-Islington.—Preliminary location and fifty-five miles of survey and plans were completed.

(b) 110 kV. Lines

Oamaru-Palmerston-Halfway Bush.—Deviation surveys were carried out to improve the separation from the existing line.

Roxburgh-Dunedin.—Location has been commenced.

Gore Invercargill.—This line was put into service as a temporary 66 kV. line on 18th December.

Gore-Roxburgh. Construction commenced following the completion of the survey.

(c) 66 kV. Lines

Islington-Papanui and Islington-Southbrook.—Surveys have been completed.

Bluff Invercargill.—A reconnaissance survey was made.

4. COMMUNICATIONS

Telephone exchanges were installed at Halfway Bush, Timaru, Tekapo, Gore, and the office at Invercargill. The new Ashburton-Timaru section and the Tekapo-Timaru line were brought into service. Thirty-six miles of line from Ealing to Pareora were constructed, the circuit from Addington on the New Zealand Railways poles was extended to Culverden, and a trunk lateral from Edendale Railway-station to the substation was installed.

Coleridge and Addington radio-stations went into service on 24th June, 1949, and Waitaki in July, 1949. Temporary installations are in use at Hororata and Highbank where receiving stations are being installed. Installation of the Dobson Radio-station is proceeding.