

*Appointing a Member of Assessment Court under the Valuation of Land Act, 1908.*

LIVERPOOL, Governor.  
ORDER IN COUNCIL.

At the Government House at Wellington, this seventh day of July, 1914.

Present :

HIS EXCELLENCY THE GOVERNOR IN COUNCIL.

IN pursuance and exercise of the power and authority vested in him by the Valuation of Land Act, 1908, His Excellency the Governor of the Dominion of New Zealand, acting by and with the advice and consent of the Executive Council of the said Dominion, doth hereby appoint the person mentioned in the Schedule hereto to be a member of the Assessment Court for the special district set opposite his name.

SCHEDULE.

Name.	Special District.
Leighton, H. Ernest	Onslow Borough.

J. F. ANDREWS,  
Clerk of the Executive Council

*Authorizing the Feilding Borough Council to erect Electric Lines within the Borough of Feilding and Portions of the Counties of Oroua, Manawatu, and Kairanga.*

LIVERPOOL, Governor.  
ORDER IN COUNCIL.

At the Government House at Wellington, this seventh day of July, 1914.

Present :

HIS EXCELLENCY THE GOVERNOR IN COUNCIL.

WHEREAS by section two of the Public Works Amendment Act, 1911, it is provided that no person shall lay, construct, put up, place, or use any electric line except under the authority of a license issued to him by the Governor in Council under that Act :

And whereas the Feilding Borough Council (hereinafter referred to as "the Council") desires to erect electric lines in the Borough of Feilding and within three miles of the borough boundary in the Counties of Oroua, Manawatu, and Kairanga (hereinafter referred to as "the area of supply"), and it is expedient accordingly to issue a license in respect thereof under the said section :

Now, therefore, in pursuance and exercise of the powers conferred on him by the said section, and of all other powers in anywise enabling him in this behalf, His Excellency the Governor of the Dominion of New Zealand, acting by and with the advice and consent of the Executive Council of the said Dominion, doth, subject to the conditions set forth in the Schedule hereto, hereby authorize the Council to erect and maintain, for lighting, heating, and power purposes within the said area of supply, the electric lines indicated by blue lines on the plan marked P.W.D. 34465, deposited in the office of the Minister of Public Works, at Wellington, in the Wellington Provincial District, and such further lines as may from time to time be required within the said area of supply.

SCHEDULE.

1. In the following conditions—

- "Consumer's wires" means any electric lines on the consumer's premises which are connected with the Council's electric lines.
- "Council" means the Feilding Borough Council.
- "Distribution line or lines" means the portion of any line from which service wires are connected for the purpose of supplying consumers.
- "Earthed" applied to any conductor means that such conductor shall be so connected to the general mass of earth as to ensure at all times an immediate and safe discharge to earth of electric energy.
- "Electric line" means any wire, wires, conductor, or other means used for conveying, transmitting, or distributing electricity for power, lighting, or heating purposes, and includes any instrument, insulator, casing, tubing, pipe, covering, or post enclosing or supporting an electric line or anything connected therewith.

"Electric telegraph line" means any wire, wires, or cables belonging to the Post and Telegraph Department, or erected under authority granted by the Minister of Telegraphs.

"High pressure" means pressures from 600 up to 3,300 volts.

"Inspecting Engineer" means the engineer or other officer appointed by the Minister of Public Works for the purpose of inspecting the works to be constructed or maintained under this license.

"Low pressure" means pressures up to 600 volts.

"Minister" means the Minister of Public Works.

"Pressure" means difference of electric potential between any two conductors through which supply of energy is given, or between any part of either conductor and the earth.

"Street" includes road.

"Telegraph" includes telephone.

SYSTEM OF SUPPLY.

2. Single-phase alternating current shall be used in the transmission of electrical energy between the generating-station and the distributing pole transformers, and in its distribution within the area of supply.

Current shall be generated at the power-station at a frequency of 50 cycles per second, and at a pressure not exceeding 2,500 volts.

This shall be transformed down by pole transformers to 230 volts for low-tension distribution.

The supply to private consumers shall be at a pressure of 230 volts.

In addition to the above system of private supply, street lighting may be supplied on a constant-current series system at a voltage not exceeding 2,500 volts.

REGULATION OF PRESSURE.

3. The pressure shall be maintained within 4 per cent. on lighting-distributing circuits above or below the declared pressure at the consumers' terminals. The Council shall supply a suitable recording voltmeter for this service, and on complaint by any consumer that the variations in voltage exceed these limits, or on the instructions of the Inspecting Engineer, the Council shall connect a recording voltmeter to record the pressure between the lines at their entrance to the consumers' premises, and shall supply to the Inspecting Engineer a chart showing the variations in voltage between the lines at this point for a period of seven consecutive days. If the variations thus recorded exceed the above limits, the Council shall take immediate steps to comply with this regulation. If after thirty days a similar chart shows that the above limits of variation in voltage are not complied with, a breach of these regulations shall be deemed to have been committed. If the accuracy of the Council's recording voltmeter is questioned by the consumer, a standard instrument shall be supplied by the Inspecting Engineer, the reading of which shall be accepted as final.

SWITCHBOARDS.

4. All switchboards shall be made of and mounted on material that is not inflammable, and no switchboard conductor shall carry electric current at a density exceeding 1,000 amperes per square inch. No conductor at a pressure above 600 volts shall be exposed on the front of any switchboard, and the back of any switchboard carrying exposed conductors at a pressure over 600 volts shall be screened off and accessible only to authorized persons.

All power-house and substation switchboards shall be provided with two efficient and independent earth connections connected in parallel, to one of which all frames, instrument cases, and other metal parts shall be connected. Means shall be provided for testing the resistance between these two connections through the earth. Such tests shall be made at least once a month and recorded.

CIRCUIT-BREAKERS.

5. All outgoing feeders and distributors shall be provided with automatic circuit-breakers or fuses set to open at 50 per cent. excess current over the rated full load of such feeder or distributor, with a time-limit not exceeding ten seconds.

OVERHEAD ELECTRIC LINES.

6. The diameter of any conductor in any electric line laid or erected for the supply of electrical energy shall not be less than 0.104 in. diameter (No. 12 S.W.G. or 7/20 S.W.G.). If the material of the conductor is aluminium the conductor shall be stranded.

The stress in overhead conductors shall not exceed 25,000 lb. per square inch for copper, 12,000 lb. per square inch for aluminium, 34,000 lb. per square inch for steel, and 22,500 lb. per square inch for iron in the extreme case of a temperature of 32° Fahr. and a wind-pressure of 18 lb. per square foot