

2. The trolley-wires shall not be less than No. 3/0 S.W.G. hard-drawn solid copper or cadmium-copper wires, firmly attached to approved insulators, and erected on supports placed not more than 130 ft. apart.

Trolley-wire feeder cables, if carried overhead, shall be covered with weatherproof triple braiding: Provided that, where circumstances permit, the Minister may approve of bare conductors being used; and provided that where electric feeder-cables intersect the Post and Telegraph Department's lead-covered cables, vulcanized india-rubber insulation of not less than 600 megohm grade shall be substituted for weather-proof triple braiding.

Double insulation shall be provided between the positive and negative trolley-wires and between the positive trolley-wire and earth. Single insulation shall be provided between the negative trolley-wire and earth on all span wires and pull-offs.

The maximum difference of potential between the positive and negative trolley-wires, and between trolley-wire feeders and the ground shall not exceed 650 volts.

The spacing of trolley-wires shall be such as to prevent bridging by the trolley-wheel or pole.

The best means available shall be adopted for preventing the occurrence of undue sparking at the rubbing or rolling contacts in any place.

3. The conductors shall be carried on substantial and durable supports, which shall be designed to have a factor of safety of four in the case of steel, iron, or ferro-concrete, and five in the case of wood, calculated upon the ultimate strength of the material, assuming the wind-pressure to be 30 lb. per square foot upon a plane surface and 18 lb. per square foot upon a diametral plane upon a cylindrical surface.

4. The trolley-wire shall not in any part thereof be at a less height than 18 ft. from the surface of the ground.

5. (1) Where telegraph, telephone, or electric-fire-alarm wires (hereinafter referred to as "the first-mentioned wires") are carried along either overhead or underground on one side of the road to be used by the trackless electric car, the said electric lines (either overhead or underground) of the trackless electric-car system shall be carried along on the other side thereof unless otherwise approved by the Minister of Telegraphs.

(2) At all points where it is necessary for the said electric lines to be carried across the first-mentioned wires, they shall be carried across and under the same at right angles if possible, and the first-mentioned wires shall be carefully insulated at the expense of the licensee over a sufficient length to prevent any contact in the event of accident to either line. Where the first-mentioned wires run parallel to and higher than the said electric lines, and the poles supporting the pull-off or span wires are on the same side of the road as those supporting the first-mentioned wires, and wherever it is considered that by reason of accident or otherwise there is a danger of the first-mentioned wires falling across the said electric lines or their supports, approved insulators, or other approved protective devices, shall be provided and erected by and at the expense of the licensee to the satisfaction of the Minister.

(3) Where poles are erected on both sides of the road, those on the one side of the road must comply with the requirements of the Minister of Telegraphs in order to provide reasonable facilities for their joint use.

6. The design of all poles, posts, standards, brackets, and other attachments used in connection with the said electric lines shall be subject to the approval of the Minister, and they shall be constructed in accordance with such approved design, and erected in such manner as is approved in writing by the Minister.

7. The licensee shall take all reasonable precautions in constructing, placing, and maintaining the said electric lines and other works of all descriptions, and also in working the undertaking so as not to injuriously affect by fusion or electrolytic action any gas or water pipes, sewers, drains, or conduits, or other pipes, structures, or substances, or to injuriously interfere with the working of any telegraph, telephone, electric-lighting, or electric-fire-alarm lines or apparatus.

8. This license shall, unless sooner determined in accordance with the provisions hereinafter expressed, continue in force until 31st March, 1947. Upon expiry of the said term, or upon sooner determination of this license by revocation or otherwise, all rights hereby granted to the licensee shall cease and determine; but such expiration or determination shall not relieve the licensee of any liability theretofore incurred under this license.

9. The licensee shall rectify to the satisfaction of the Minister of Telegraphs or the Minister of Railways any interference or disturbance caused by the erection or operation of the licensee's system that affects the satisfactory working of the telegraph-lines which are the property of the Telegraph or Railways Departments and which were erected prior to the licensee's lines.

10. Notwithstanding anything contained in the regulations incorporated herein, no extensions or lines other than those along the routes hereinbefore described shall be deemed to be authorized by this license.

11. No electric car shall be supplied with electric power from the lines hereby authorized to be erected unless the licensee first receives from the Minister of Public Works a warrant authorizing the use of that car.

12. The licensee shall construct the said electric lines and operate the trackless electric car service, so as to avoid causing interference with radio reception, and all electric cars utilizing the electric lines authorized by this license shall be fitted with interference-suppression devices of a type to be approved by the Minister of Telegraphs.

C. A. JEFFERY,
Clerk of the Executive Council.

(P.W. 26/2379.)

Authorizing the Invercargill City Council to erect Electric Lines within Portion of the City of Invercargill.

GALWAY, Governor-General.

ORDER IN COUNCIL.

At the Government Buildings at Wellington, this 24th day of November, 1937.

Present:

THE RIGHT HON. M. J. SAVAGE PRESIDING IN COUNCIL.

IN pursuance and exercise of the powers conferred by the Public Works Act, 1928, and of all other powers in anywise enabling him in that behalf, His Excellency the Governor-General of the Dominion of New Zealand, acting by and with the advice and consent of the Executive Council of the said Dominion, doth hereby authorize the Invercargill City Council (hereinafter referred to as "the licensee"), to lay, construct, put up, place, and use electric lines within the area of supply described in the Schedule hereto on the following conditions.

CONDITIONS.

1. PURPOSES OF LINES.

THE said lines may be used for lighting, power, and heating purposes.

2. LICENSE TO BE SUBJECT TO REGULATIONS.

The license hereby conferred is subject to compliance by the licensee with the Electrical Wiring Regulations, 1935, the Electrical Supply Regulations, 1935, and with all regulations made or to be made in amplification or amendment thereof or in substitution thereof.

The conditions directed to be implied in all licenses by the Electrical Supply Regulations, 1935, shall be incorporated herein and shall form part of this license, except in so far as the same may be inconsistent with the provisions hereof.

3. BULK SUPPLY.

Electrical energy purchased in bulk shall be obtained from the Public Works Department's substation at a nominal pressure of 11,000 volts between phases.

4. SYSTEM OF SUPPLY.

The system of supply shall be the systems described in paragraphs (a), (d), (f), and (h) of clause 21-01 of the Electrical Supply Regulations, 1935.

5. DURATION OF LICENSE.

Unless sooner lawfully determined, this license shall continue in force until the 31st day of March, 1958.

6. CHARGES ON SALE.

Maximum Charges.

(i) The licensee shall not in respect of electrical energy distributed under the authority of this license make any charges exceeding those set out hereunder:—

(a) In the case of a supply for lighting purposes, a sum of 1s. per unit, reducible on payment within fourteen days of due date to 6d. per unit:

(b) In the case of a supply for motor-power, heating, cooking, or any purpose other than lighting purposes, a sum of 6d. per unit, reducible on payment within fourteen days of due date to 3d. per unit.