

# Northpower Electricity Network Standard

## Builders Temporary Supplies

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Agreements

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### Document Purpose

This standard details Northpower Networks requirements for temporary supply installations utilised to facilitate power requirements for construction work.

## 1. Introduction

This standard details Northpower Networks requirements for builder's temporary supply (BTS) installations utilised by builders and site owners to facilitate electricity supply requirements for construction work during the building process for a period of up to 1 year.

## 2. Northpower References

Reference	Details
ENS 05.01.010	New Connections
ENS 05.02.016	Conditions for Contractors Constructing Services
ENS 05.02.036	Supply Options for Low Voltage Customers

## 3. Other References

Reference	Details
NZ Govt	Electricity (Safety) Regulations 2010
AS/NZS 3000	Electrical Installations (Wiring Rules)
NZECP 11	NZ Code of Practice for Inspection and Testing of Low Voltage Installations for Certification purposes
NZECP 35	NZ Code of Practice for Power System Earthing
EEA	Electrical Engineers Association Guide to Power System Earthing

## 4. General

Builder's temporary supplies shall only be utilised for providing an electricity supply for building or construction work.

Builder's temporary supplies shall not be utilised for providing an electricity supply for residential, leisure or commercial use.

Builder's temporary supplies may only be used for up to a 1 year period. A short extension may be granted only if the completion of building work is imminent. Otherwise it shall be changed to an appropriate permanent supply, disconnected or decommissioned.

All Builders Temporary Supplies shall be metered and can be either:

- 1 phase (30/32A) for housing or small commercial construction
- 3 phase (60/63A) for large commercial or industrial construction

A customer requiring a builder's temporary supply will need to complete and submit, to Northpower, a standard 'Application for Network Connection or Alteration to Supply' form either on line or a paper form.

A Northpower Installation Control Point (ICP) number is to be allocated to each BTS. This number should be retained when it is changed to a permanent supply.

## 5. Installation Requirements

### 5.1. Positioning

- All BTS equipment shall be housed in a suitable pillar or pole mounted box that is accessible from the road or access.
- The pillar or box shall also be weather proof, safe and secure from unauthorised entry and interference.
- The recommended height of a pole mounted box is between 1.2 to 2 m above ground level.
- For a property with an underground supply from a pillar, the customer may request for Northpower to provide a BTS mounted in a modified pillar. This service is dependent on availability due to limited stocks (note additional fees will apply).
- Where Northpower provide an overhead supply the BTS can be mounted on the termination pole otherwise it shall be mounted on a substantial pole as close to the permanent supply point as is practical.
- Sufficient supply cable length should be left to allow re-location to the permanent supply position when the BTS is close to the proposed permanent meter station.

### 5.2. Safety Requirements

All Builders Temporary Supply Installations shall conform to the following:

- Appropriate clauses contained in the “Electricity (Safety) Regulations 2010” or to any subsequent amendments.
- Part 2 of AS/NZS 3000: Electrical Installations (known as the Australian/New Zealand Wiring Rules).

### 5.3. Electrical Contractor Requirements

The electrical contractor installing the service cable and the BTS shall conform to the following:

- Northpower’s Network Standards
- All Occupational Health and Safety Requirements.
- On completion of the internal installation of the BTS, a valid Certificate of Compliance (COC) shall be submitted before the installation may be energised.

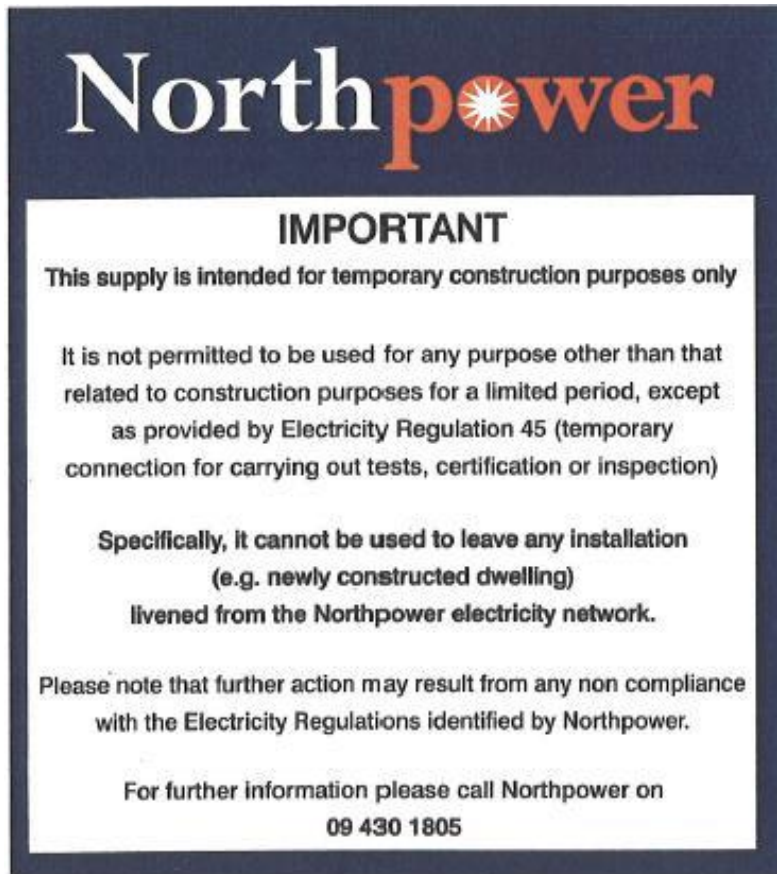
### 5.4. Northpower Contracting Requirements

On receipt of the Certificate of Compliance the installation shall be inspected by a registered Electrical Inspector and tested to ensure compliance with the Electricity Act, Electricity (Safety) Regulations and NZ Electrical Codes of Practice before energising.

The Inspector is to complete a record of inspection (ROI) which is to be linked to the ICP details.

The Electricity Authority Certification (EAC) with the ICP number is to be clearly displayed with the BTS.

A notice, as depicted below, shall be fixed to the external side of the BTS pillar or weather proof box lid.



## 6. Requirement when a Builders Temporary Supply Installation is Electrically Unsafe

When a BTS is found to be electrically unsafe the supply shall be isolated.

The builder or owner shall be informed in writing of the isolation and given reasons substantiated by photographs or test data.

The information shall be recorded in the ICP records.

## 7. Requirement when Non-Contractual Usage is Taking Place

Any non-contractual usage, ie not for building or construction purposes that is identified on a BTS that is electrically safe shall have the following action taken:

- Non-contractual usage shall be recorded on the inspection report.
- Photographic and any other evidence shall be filed with the inspection report in the ICP details
- Network shall be informed of the non-contractual usage.

The installation will require changing to an appropriate permanent supply or decommissioned. The Northpower network commercial analyst will contact the customer to discuss alternatives.