



## Section 6

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Service equipment and installations must also meet the requirements of the supply authority. Please consult the ATCO Yukon metering guide for utility information regarding your electrical service.

[ATCO Yukon Metering Guide](#)

### Rule 6-208

Service conductors shall be located outside buildings. This rule requires protection of service cables when entering a building. In order to terminate these conductors at the first point of disconnect, they are permitted to be run no more than 3 metres within a building without additional protection.

### Service upgrade requirements

The following requirements will be applied to service upgrades for residential services and will also include any residence or previously wired structures wishing to connect to utility power.

Where sheeting or drywall is complete and proof of an electrical inspection cannot be verified, the wiring may be required to be exposed for inspection at the discretion of an electrical inspector.

All service equipment shall be installed in accordance with the latest edition of the Canadian Electrical Code Section 6, and the requirements of the Supply Authority.

At least two meter of headroom are required for access to service entrance equipment rule 6-206(1)(c)(iv).

Grounding and bonding to be upgraded or verified as meeting the requirements of the current edition of the Canadian Electrical Code.

If additional circuits are installed, they shall meet the requirements of the current edition of the Canadian Electrical Code (Arc fault and GFCI requirements).

At least one hard-wired smoke alarm shall be installed on each floor and interconnected as per the National Building Code.



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For buildings with an attached garage or fuel burning appliance, carbon monoxide alarms shall be required as per the National Building Code.

### **Fuel burning furnace**

In buildings that have a fuel burning furnace, a suitable disconnecting means must be verified or installed that meets the requirements of CEC Rule 28-806 (7) (minimum 2m ahead of the furnace towards the point of egress).

### **General**

Correct any hazardous wiring present (including the removal of abandoned wiring in boxes and panels rule 2-022).

Bond metal systems and metal water lines to ground if there is no copper water main present (rule 10- 406).

Emergency repairs, such as fixing or replacing meter sockets, panel, main switch or circuit breaker, service wire and/or conduits with equipment of the same size, in most cases, will not require an upgrade to wiring, except in the case of potentially dangerous situations and unsafe grounding or bonding.

### **Requirements for an approved overhead service**

All masts shall be installed as per Section 6 of the Canadian Electrical Code using approved equipment. See diagram next page showing our minimum requirements for an acceptable Overhead Service Installation.



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## **Reconnection of existing services**

Contractors who obtain permits to enable a service to be reconnected that has been disconnected for more than 6 months are required to insure that the building they are authorizing to be connected meets the minimum standards for electrical safety in addition to the following:

- Smoke or combination smoke/CO detectors must be installed
- Furnace disconnect switches must be installed
- A ground fault protected outlet must be provided in bathrooms
- All outdoor outlets, other than the car plug, must be ground fault protected if applicable
- Ensure any trace heater that is installed is protected by a ground fault circuit complete with a thermostat if the piping is non-metallic

If any of the above items are not present, it is the responsibility of the electrical contractor to:

- Amend the electrical permit to indicate what item will be upgraded
- Advise the owner of the upgrade requirements
- Understand that all required items that are not completed will remain as outstanding deficiencies attached to the permit to reconnect

## **Number of consumer services permitted on a building**

For buildings that require multiple divisions of the main consumer service, CEC rule 6-206(1)(c) requires the consumers' service equipment be placed within the building being served.

## **Seasonal service disconnects and reconnects policy**

The Canadian Electrical Code requires a supply authority to insure there is a current permit issued by the inspection department prior to connecting or reconnecting electrical energy to any service.



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Building Safety is aware many Yukoners who own recreational properties choose to disconnect their properties from the system during the winter months and desire to reconnect these services the following spring.

To facilitate this routine practice and improve service to Yukoners, Building Safety and Standards has created a policy that will allow the supply authorities to restore service to customers that have been disconnected for a period of six months or less without benefit of a permit or inspection. Reconnection under these conditions is solely at the discretion of the supply authority.

The supply authority has a duty not to restore service to a property if there is a doubt regarding the safety of the electrical installation about to be connected.

**Meter mounted generator transfer switches**

Meter mounted generator transfer switches are not permitted for install on the same consumer service as a photovoltaic system. (Ref. Bulletin 22-8)