

# TSSA guidelines for using a furnace to heat a residence under construction.



## TSSA Update (as of March 2002):

1. The furnace installer and person initially putting the furnace into use shall be at least a G2 and shall follow the TSSA Advisory NG 00/1 (issued February 1, 2000), Central Furnace Installations in Construction Applications. The three main points of this advisory are:
  - Installation must meet the criteria specified in Section 7.13.5 of the B149.105.
  - Permission must be obtained from the manufacturer in writing to use the furnace for this purpose.
  - The furnace and associated ductwork must be cleaned as required prior to occupancy.
2. All appropriate code clauses shall be met, paying particular attention to pressure testing of the piping system, venting and fresh air requirements.
3. All manufacturer's installation instructions shall be met, which will include but not necessarily be limited to:
  - Proper vent installation.
  - Furnace operating under thermostatic control.
  - Return air duct sealed to the furnace.
  - Air filters in place.
  - Fresh outdoor air supply provided to the furnace room.
  - After initial activation, return air temperature maintained at greater than 55°F (13°C).
  - Clean furnace, ductwork and components upon substantial completion of construction process.
  - Verify proper furnace operating condition including ignition, input rate, temperature rise and venting, according to the manufacturer's instructions.

Enbridge Gas Distribution strives to ensure builders are kept up-to-date with industry information that directly affects their business and interaction with Enbridge Gas Distribution. The following outlines the information released by the Technical Standards & Safety Authority (TSSA) in their March 2002 newsletter.

These guidelines apply to central furnaces utilized as a temporary means to heat premises under construction. Installers utilizing this guideline will be subject to periodic inspection by TSSA.

#### 4. An “Affidavit of Validation” form shall be completed:

- Stating all installation criteria per instructions on the form and this guideline are completed.
- Activation by a qualified person, if other than original installer, verifying on the same form that all required tests were completed.
- Completed form must be filed with the gas distributor.
- **Each time a furnace is used to heat a residence under construction, an “Affidavit of Validation” form MUST BE FAXED TO Enbridge Gas Distribution. Enbridge Gas Distribution will notify TSSA of builders and/or installers who fail to meet this requirement. The form is included in Section 8 of this guide, or you can download it at: [www.buildwithgas.com](http://www.buildwithgas.com)**

5. Distributor agrees to provide meter set configuration to the meter outlet.
6. A licensed G2 or higher shall connect the house piping to the outlet of the meter set up and activate the central furnace under the following conditions:
  - Directions in 1, 2, 3, and 4 above have been followed.
  - Ensure the meter and piping are protected from damage.
  - At no time shall any meter outlet connections be left exposed to the environment nor shall anyone, other than the distributor, perform work on the distributor’s piping, regulator or meter.
  - Gas may be activated by means of the service riser valve.
  - When turning on the gas supply, due care will be taken and the valve opened slowly so as to avoid damage to the meter and service assembly.
  - Conduct a meter dial or manometer test to verify house piping integrity. Soap test all meter set connections, piping and fittings that were isolated during the dial test.
  - Prior to occupancy the distributor must inspect all installed appliances. For more on inspections, see page S6-1.



#### For more Information:

Contact Enbridge representative:  
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You can also call the TSSA toll-free at  
1-877-682-8772, or visit [www.tssa.org](http://www.tssa.org)



#### IMPORTANT:

Each time a furnace is used to heat a residence under construction, an “Affidavit of Validation” form **MUST BE FAXED TO Enbridge Gas Distribution**. You can find the form in Section 7 of this guide or download it at: [www.buildwithgas.com](http://www.buildwithgas.com)