

Builder Site Preparation for Residential Temporary Heat Activation (Construction and Finishing)

Builders must contact Enbridge Gas Distribution to request activation of the meter set for residential temporary heat purposes.

1. Builders must ensure they request the correct type of temporary heat (construction or finishing); depending on the appliance and site conditions they have available.

Note: Site and furnace preparation requirements are more stringent for finishing heat. If the builder's furnace is approved for construction heat it is recommended to request construction heat activation rather than finishing heat.

2. A site visit will be scheduled to assess the site and installation to determine if it meets the criteria set forth in the Enbridge guidelines for activation.
3. Prior to final occupancy, Enbridge is required to perform initial installation inspections on all gas equipment on the premises (O.reg 212/01).
4. When arranging the site for temporary heat, the builder must be aware that the process and site conditions to use a furnace for construction heat and the process and site conditions to use a furnace for finishing heat are different. Builders cannot switch between these two processes with the same furnace, as the requirements for the furnace's protection and site conditions are not the same.

The minimum site requirements that must be in place prior to scheduling any appointment with Enbridge for meter set activation for temporary heat are:

- The foundation is poured and capped.
- The building is unoccupied and under construction.
- The site will provide safe operating conditions for the appliance being activated.
- The appliance being activated for construction heat is installed and connected to the meter set.
- The meter is protected from damage during the construction process and safely accessible.
- Safe access to and from the construction site is provided.
- Safe access in and out of the building and basement is provided.

Note: *Safe access to be provided and maintained in accordance with the Occupational Health and Safety Act, under Ontario Regulation 213/91 – Construction Projects.*

In addition to the minimum requirements listed above, the following site conditions must be met depending on the appliance being activated:

Using a Temporary Natural Gas Residential Construction Heater

The Technical Standards & Safety Authority (TSSA) and Ontario Regulations require anyone installing, activating or operating a natural gas fired construction heater to hold a current Record of Training (ROT) certification (must be renewed every three years), or possess a G2 license or greater (regulation 215/01).

- The ROT certification must be on hand and presented when rental companies deliver the construction heaters to the site.
- The residential construction heater must be installed according to manufacturer's installation instructions, the Natural Gas and Propane Installation code, and per all local codes and regulations with regards to construction heat use.
- Complete the meter activation for temporary heat appointment form and provide 72 hours (3 business days) advance notice. Appointments can be scheduled by using the online form available at buildwithgas.com or by faxing it to 1-800-494-6411.
- ROT certificate information must be documented on site and provided for reference when Enbridge performs meter activation for temporary heat. An installation/operators tag must appear at the appliance or meter being activated and must contain the certificate holders license information. (It can be filled out on a blank test tag and zip-tied to the heater or meter outlet.)

Using a Residential Furnace for Construction Heat:

****Important:*** The site requirements in this section only apply to furnaces approved for construction heat.

Please be advised that manufacturers have prohibited the use of their furnaces for construction heat. This will be noted in their installation instructions as follows: "Gas furnaces manufactured on or after May 1, 2017 are not permitted to be used in Canada for heating of buildings or structures under construction".

Furnaces manufactured prior to May 1, 2017 or others not reflecting the above statement are allowed to be used for construction heat as long as the certified manufacturer's instructions do not prohibit such use.

The TSSA and Ontario Regulations require anyone installing, activating or operating a natural gas furnace for construction heat to possess a G2 license or greater.

- The furnace must be approved for construction heat purposes by the manufacturer, and listed for such use within the manufacturer's literature.
- The installer must be a licensed G2 fitter or higher to install the equipment. The equipment must be specifically approved for construction heat use.
- The house must be closed in with the windows, doors, insulation, vapour barrier and roof covering installed.

- Permanent wiring must be installed through a breaker panel and customer switch.
- The furnace must be installed according to manufacturer’s installation instructions, the Natural Gas and Propane Installation code, and per all local codes and regulations with regards to construction heat use.
- Complete the meter activation for temporary heat appointment form and provide 72 hours (3 business days) advance notice. Appointments can be scheduled by using the online form available at buildwithgas.com or by faxing to 1-800-494-6411.
- The fitter fuels certification must be documented on site and provided for reference when Enbridge performs the meter activation for temporary (construction) heat. A completed pressure test tag must appear for the appliance being activated and must contain all information that is required for an initial appliance activation inspection.

Using a Residential Furnace for Finishing Heat:

Important: Furnaces that **are not approved for construction heat may only be used for finishing heat, as per the [TSSA advisory \(FS-232-17\)](#). The TSSA advisory outlines the accepted practice of using residential gas furnaces to heat a home during finishing stages of construction, prior to homeowner occupancy, provided that strict requirements are followed.*

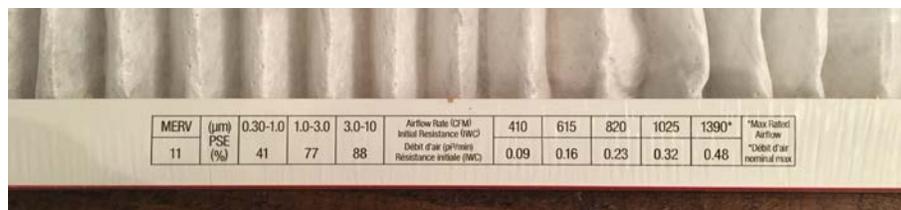
The TSSA and Ontario Regulations require anyone installing, activating or operating a natural gas furnace for temporary heat to possess a G2 license or greater.

The following site conditions must be met:

- The furnace’s return air and supply air openings must be covered to minimize infiltration of dust and/or debris during early stages of construction prior to activation for finishing heat (e.g. drywall installation, woodworking).
- All interior drywall must be installed, taped, sanded and first coat of primer applied.
- The building must be cleaned of all debris and drywall dust.
- A new furnace filter must be installed, rated at MERV 11 or finer. The filter itself must be labelled accordingly by the manufacturer for easy identification.

Note: Different MERV11 filters will have different pressure drops. The builder must ensure that he/she is selecting the appropriate filter for the model furnace and configuration to be installed.

Example:



| MERV | (µm) PSE (%) | 0.30-1.0 | 1.0-3.0 | 3.0-10 | Airflow Rate (CFM) Initial Resistance (AWC) Initial static pressure Resistance Initial (AWC) | 410 | 615 | 820 | 1025 | 1390* | *Max Rated Airflow *Max static nominal max |
|------|--------------------|----------|---------|--------|---|------|------|------|------|-------|---|
| 11 | | 41 | 77 | 88 | | 0.09 | 0.16 | 0.23 | 0.32 | 0.48 | |



- **After** finishing heat has been completed and prior to initial installation inspection it is requested the builder to ensure that a new filter is installed as per manufacturer instructions for final occupancy of the premises.
- The builder and contractor must review and complete all required sections of the Enbridge finishing heat activation form which can be found at www.buildwithgas.com or by contacting Builder Services at 1-888-316-3220.
- The Finishing Heat Activation Form must be completed before Enbridge is call for meter set activation for temporary heat (finishing).
- If the builder is switching automatically from a portable construction heater to a furnace for finishing heat the form must be completed before the furnace is activated for finishing heat. In order to ensure that all requirements for finishing heat activation are considered.
- The finishing heat activation form is a required document to be completed by the builder and furnace installer, this document contains a checklist of points that must be signed off and in place prior to finishing heat activation.

RESIDENTIAL FINISHING HEAT ACTIVATION FORM

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This form applies only to finishing heat activations and not construction heat activations.

All installations must meet the requirements of the State's Natural Gas and Propane Installation Code, TSSA Code Adoption Document, applicable TSSA Addendums & Guidelines, and the manufacturer's certified installation instructions. House must be dry-walled, primed & cleaned. It is expected that the homeowner will conduct a cleaning of the duct system at the conclusion of the finishing heat process and prior inspection. The numbered items on the left below are intended as check-off points and do not limit the items to be covered during an inspection. Failure to complete and maintain the steps outlined in this form, (checklist points) will result in the suspension of gas service.

This form must be filled out prior to activating a furnace for finishing heat and must be kept on site for reference at all times.

| | |
|--|--|
| Address: 123 ABC Street, Markham, On | Date: September 25, 2017 |
| Municipality: Markham, On | Lot No./Block No.: 99 |
| Builder Name: Def Builders | Confirmed All Interior Drywall is Primed (Initials): JD |
| Builder Representative Name (print): John Doe | Confirmed Gas Meter Cleared (Initials): JD |
| Builder Representative Signature: <i>J. Doe</i> | |

| | |
|--|--|
| Authorized/Responsible Contractor: GHI HVAC | TSSA Contractor - Registration No.: Registration # Here |
| Gas Technician Name (print): Jane Doe | Technician - Certificate No.: Certificate # Here |
| Gas Technician Signature: <i>Jane Doe</i> | |

Builder/Contractor to verify and check off each item:

1. Confirm interior drywall installation is complete and primed
2. Confirm return air vent openings were covered during installation and construction to minimize penetration of dust prior to use for finishing heat
3. Confirm house has been cleaned of all debris and drywall dust
4. New minimum MERV 11 filter will be installed per manufacturer instructions prior to inspection by Enbridge
5. Arrangements have been made for post-use verification of setup and proper operation
6. Enbridge is called for inspection after use for finishing heat to complete, before any other gas-fired equipment is put into use, and prior to occupancy

Heating Contractor to verify and check off each item:

7. Furnace has been installed to the most stringent requirements of the manufacturer's certified installation instructions, the currently applicable CSA B141 Natural Gas and Propane Installation Code and the TSSA Code Adoption Document
8. Furnace has not been previously activated
9. All interior drywall has been installed, taped, sanded, and final coat of primer has been applied
10. New minimum MERV 11 filter has been installed
11. House has been cleaned of all debris and drywall dust
12. Furnace will have been set up in accordance with the manufacturer's certified installation instructions
13. Operating parameters will have been verified to match values on the rating plate

Important:

1. Only Enbridge or its authorized contractor is permitted to initially activate the natural gas service and meter set.
2. A Licensed and Qualified Gas Contractor (i.e. G.C.) may disconnect the portable construction heater, tie in the permanent piping, and activate the furnace for "finishing heat" in accordance with this form and all applicable codes. An appointment for "finishing heat" activation is not required, provided the meter was previously activated by Enbridge for construction heat.

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- Enbridge requires the heating contractor/builder to complete, sign, and post the finishing heat activation form.
- The finishing heat form can be placed on the return air ducting or in a readily accessible location (on-site), preferably by the furnace. If placed on a readily accessible location (on-site), the builder/installer must ensure that the form will not be removed during finishing heat or before the initial installation inspections is conducted.

Note: We recommend that a second copy be made and stored safely with the builder.

- The site will not be considered ready if the form is not present or it is incomplete. In that case the activation of the meter set will not occur.

- The furnace must be installed by a licensed certificate holder and according to manufacturer's installation instructions, the Natural Gas and Propane Installation code, and per all local codes and regulations.
- Complete the meter activation for temporary heat appointment form and provide 72 hours (3 business days) advance notice. Appointments can be scheduled by using the online form available at buildwithgas.com or by faxing it to 1-800-494-6411.
- The fitter fuels certification must be documented on site and provided for reference when Enbridge performs the meter activation for finishing heat. A completed pressure test tag must appear for the appliance being activated and must contain all information that is required for an initial appliance activation inspection.



***Important:** If a new service has been previously activated by Enbridge for a portable construction heater, switching to a furnace, as indicated in this document, is acceptable provided that all accompanying requirements are maintained and initial installation inspections are performed prior to occupancy.

***Caution:** Once a service or appliance has been activated for temporary heat, the builder/contractor must take continued precautions to maintain site conditions that are acceptable by the appliance manufacturer and [TSSA Advisory \(FS-232-17\)](#). Caution must be made to ensure an activated appliance operates safely and per manufacturer design and specification.

To ensure that you follow the requirements set out by Enbridge regarding Temporary Heat, we have created [Technical Resources](#) with all the information the needed by the builder. The bulletins can be found at buildwithgas.com or by contacting your local Channel Consultant.

Please be aware that failure to adhere to the above guidelines can result in a builder's privileges to use natural gas for temporary heat being revoked and safety infractions may also be referred to Enbridge's Customer Safety and Compliance Department.

For more information or updates, please visit buildwithgas.com or call Builder Services at 1-866-787-8566.