

## Greater Fox Cities Area Habitat for Humanity 2018 Heating Bid Specs

For 2018, any contractor bidding as a Heating Contractor for Habitat for Humanity homes must be a registered Energy Star contractor and meet all compliance criteria as set forth in the Energy Star 3.0 program. These guidelines and standards (ASHRAE 62.2-2010) available at [www.energystar.gov/newhomeshvac](http://www.energystar.gov/newhomeshvac). The contractor must also be Energy Star 3.0 HVAC certified.

The following is a list of required performance criteria. This should be considered a partial list, and any contractor bidding on these projects shall be responsible to include all costs necessary to maintain compliance to program requirements.

- Contractor to install a variable speed furnace of at least 94% AFUE with ECM and 2 stages of heating, properly sized, per heat calcs. The unit shall include a manufactured fully enclosed air filter unit that is capable of holding at least a 3" thick accordion type filter with a minimal rating of Merv 6. The unit shall be left with a clean filter. A setback thermostat will be installed. The setback thermostat will be installed using the 5/2 setting, and not the 7 day setting. **All cold air returns to be fully ducted.** Cold air returns in basement bedrooms shall be returned from the floor. All duct boots shall be placed at rough in. Cut outs for duct boots will not be oversized. Habitat will seal all duct boots to floor, wall or ceiling using caulk, foam, and mastic paste or mastic tape. All ducting joints and connections must be sealed using either Mastic paste or tape by the contractor. Fresh air intakes will be a minimum of 4' from the finish grade, and shall have a chase provided for on the plans to accommodate its entry. Furnace intake air pipe shall have a wire mesh cover over the exterior end. Contractor will be required to air balance each room upon completion of each project. Oversized units will not be allowed.
- Contractor to file for all local permits required for installation. Habitat Project Manager will complete required heat calculations required for Habitat project.
- UDC permit only, and contractor will be responsible for all heat calculations and reporting criteria as required by the Energy Star 3.0 program.
- Contractor to be available for rough in per schedule. Rough in to include installation of furnace and gas piping for temporary heat when requested by Project Manager. Most homes have living space in basements; all duct work will be completed in these areas during RI.
- Contractor to provide hard piping of dryer vent. Contractor to both hard pipe and insulate (6") bath fan to gable vent provided and installed by others. Contractor may not reduce venting size in any circumstances.
- Contractor to provide gas hook up to gas meter with at least one gas stub off for water heater, connected by the plumber. Contractor to provide gas piping as needed to other optional locations per plan and will charge separately as a change order.

- Contractor to deliver grills upon rough in, Habitat will install during trim out.
- Contractor to finish each house in a timely manner, as per the schedule.
- Contractor to caulk all penetrations per code.
- Contractor must be willing to install donated new furnaces.

All contractors working on a Habitat site must provide a valid copy of liability insurance and workman's compensation certificate with Habitat listed as a certificate holder.

All Contractors will comply with all Habitat recycling procedures. (A copy of these procedures is included with this RFP.

All quotes must be received by **January 20, 2018** to be considered.