

# Homeowner Notification of Mechanical Fresh Air Ventilation



## Section 1: Customer Information

Customer's Name:	Job ID:	Assessment Date:	
Street Address:	City:	State: WI	Zip Code:

## Section 2: Trade Ally Contractor Information

Company Name:	Telephone:
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## Section 3: Notification Information

In general, the Program recommends that all homes have mechanical ventilation to help control indoor moisture and odors, and improve the quality of indoor air. The Program encourages you to consider installing a ventilation system that meets the standard. Mechanical ventilation system should be designed to deliver the air flow (CFM) listed below for your home. See FAQ on reverse page for more information.

During your Home Performance with ENERGY STAR® energy assessment, it was determined that your home requires the following mechanical ventilation:

<b>Existing:</b>	CFM per hour	<b>Recommended:</b>	CFM per hour	<b>Proposed:</b>	CFM per hour
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The Home Performance with Energy Star program strives to achieve acceptable indoor air quality; however, the following factors may hinder that ability:

- 1) Existing indoor pollutants (i.e. chemicals in the home)
- 2) Outdoor air quality (pollution outdoors)
- 3) Individual occupant(s) sensitivity to pollutants
- 4) Factors that affect perception of air quality, such as temperature and humidity
- 5) Failure to maintain the ventilation system you acknowledge and decline to install.

By signing below you acknowledge and that you have been informed of this recommendation, and you agree to hold Focus on Energy, and the Trade Ally harmless. Focus on Energy expressly disclaims any and all warranties or representations of any kind, whether oral, statutory, expressed or implied, including without limitation warranties of suitability or fitness. This notice does not constitute an endorsement or warranty regarding the presence or absence of other real or potential health and safety hazards that may exist at this address or on the premises.

## Section 4: Signatures

Customer's Signature:	Date:
Customer's Printed Name:	
Trade Ally Signature:	Date:
Trade Ally Printed Company Name:	

# HOME PERFORMANCE WITH ENERGY STAR® PROGRAM

## Homeowner Notification of Mechanical Fresh Air Ventilation

### Frequently Asked Questions

**Q. What is mechanical fresh air ventilation?**

**A.** Mechanical fresh air ventilation helps to ensure your home is provided with a sufficient amount of outdoor air in the right amount. The simplest systems remove stale air from the home so fresh air enters to replace it. Small amounts of air movement are sufficient for this process to work, typically in the range of 30-120 cubic feet per minute (CFM) for most homes. CFM refers to the amount of air moving through an exhaust fan per minute (1 CFM is about the volume of a basketball). A ventilation system should have controls to adjust the ventilation rate to suit your needs.

**Q. Does it really make sense to tighten up my home, and then pay for ventilation?**

**A.** Yes, it makes sense to have controlled ventilation in every home, to ensure air exchange and improve indoor air quality. But for ventilation to work reliably, the home must first be tight. Also, the small amount of air moved through the mechanical ventilation system is typically much less than the amount of accidental air leakage that will be eliminated by a reputable contractor tightening up your home. Eliminating big accidental holes and drafts, and then putting back the small amount of *controlled* air movement, is a successful way to improve comfort and efficiency.

**Q. Does it use a lot of energy to run the fan?**

**A.** It uses some energy, but an efficient exhaust fan uses a very small amount of electricity to run. As for the heated air that you are exhausting, it actually saves money to tighten up a house and run the ventilation system. A correctly selected and installed ventilation system will be quiet and minimize moisture issues.

**Q. Do I have to run the system all the time at the rated air flow to get adequate ventilation?**

**A.** No, all systems provide an on-off control, but most also provide controls that allow for the adjustment of the ventilation rate. Most families find that setting the flow rate somewhere between 1/3 and 2/3 of the design rate is a good place to start; this allows for increasing the ventilation system flow, if needed. Although the design guidance accounts for the need for ventilation both of occupants and for pollutants that are in the house, you may also find that a regular schedule of turning the system down or off during weekdays or other periods when nobody is home is adequate. Extended vacations provide another opportunity to shut the system off completely. Moreover, you may find that even when air sealing is completed, you may get adequate air flow when winter weather is very cold (and natural driving forces are larger); turning the system down during the coldest weather may still provide adequate air flow. The important point is that a ventilation system gives you control over the level of fresh air in your home.