

FOCUS ON ENERGY NEW HOME CERTIFICATION PROGRAM

Certified Energy-Efficient Home

5873N Beaver Lodge Circle
Mercer, WI 54547

CERTIFIED ON 2024-12-16

Your New Home is Certified by Focus on Energy as
52.56% MORE EFFICIENT
than what is currently required by Wisconsin state building code.

Certification No: 058-2092

Compass - Residential Energy Analysis and Rating.
This information does not constitute any warranty of energy costs or savings.
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Ultimate Construction Inc

5224 Pierceville Road
Marshall, WI 53559



NEW HOMES PROGRAM

WE BUILD BETTER, PERIOD! Your Home will be comfortable to live in, safe for your family, durable to last through the years, and energy efficient to save you money.

Congratulations, this FOCUS ON ENERGY HOME at 5873N Beaver Lodge Circle, Mercer, has **52.6%** reduced cost of Ownership over the New 2020 Wisconsin Building Code built home.

The Third Party building and energy consultant makes critical site visits during construction, and a final performance testing of the Home's components for **Quality Control and Assurances** that our building practices are in line with the highest Standards set for this climate by the Building Science Professionals.

HERS Index: 48 This is the National Standard for comparing home performance, like 'miles per gallon' is for a car. The Index is based on a comparison of the annual energy requirements for heating, cooling and hot water in the home being rated (with some standard operating conditions), to the annual energy requirements for the same home reconfigured to RESNET HERS *Reference Home*. The typical existing home score nationwide is 130, and the typical New Home score is 100. See: <http://www.resnet.us/hers-index-large-scale>

What about Air Tightness ? The "blower door" air tightness test, shows our Homes to be among the tightest in Wisconsin. This not only provides reduced operating costs, but provides draft free comfort while protecting the structure. This added durability comes from a sealed thermal shell around your living space preventing mold, structural damage, and adding lifetime value to your home. Air tightness standards ask how much leakage is there on all 6 sides of the home, during a 20 mph wind. To compare homes we use this number: **0.064 cfm airflow @ 50 pa** pressure difference / square feet of all the surface areas (all six sides of the box). The Air Exchange Rate (ACH) is **1.015** Building Code maximum air leakage is **4.0** ACH. The Focus on Energy New Homes Program Standard is **0.20 cfm @ 50 pa/sqft**.

Can a house be too tight?

You have more control of Indoor Air because of the tight Home with adequate exhaust. Being capable of exhausting unwanted moisture and odors from the home is important, so each of your exhaust and intake devices has been tested. The indoor air quality is under your control and not so susceptible to outdoor fluctuations in temperature and humidity. To balance the humidity levels in your Home and/or get fresh air into your home, use the **Bathroom exhaust fans**. The largest has a tested exhaust flow of **65** cfm.

Furnace / Air Conditioner / Water Heater

The furnace is one of the best available with an **ECM blower motor**, that saves you amazing amounts of electricity. This variable speed blower ramps up slowly to provide more even heat as needed. When it is running it uses very little power so if you need to run it continuously for allergy seasons or comfort, you can economically. The furnace is a **96% efficient, cost effective model**, that incorporates 'sealed combustion' technology to bring outside air in for combustion, preventing combustion by-products from contaminating indoor air providing you with greater safety, and energy efficiency. And the **93%** high efficient on demand water heater, along with the furnace, will prevent combustion by-products from contaminating indoor air providing you with greater safety, and energy efficiency. You have a **16SEER** Air Conditioner, which meets the Standards of the Industry.