

Home Energy Rating Certificate

Final Report

Rating Date: 2021-04-06

Registry ID: 779312734

Ekotrope ID: gdEWMrk2



HERS® Index Score:

50

Your home's HERS score is a relative performance score. The lower the number, the more energy efficient the home. To learn more, visit www.hersindex.com

Annual Savings

\$1,134

*Relative to an average U.S. home

Home:

3487 Tobe Robertson Rd
Columbia, TN 38401

Builder:

Cody Hazelwood

Your Home's Estimated Energy Use:

	Use [MBtu]	Annual Cost
Heating	9.5	\$245
Cooling	2.3	\$56
Hot Water	5.2	\$130
Lights/Appliances	13.1	\$328
Service Charges		\$261
Generation (e.g. Solar)	0.0	\$0
Total:	30.0	\$1,020

This home meets or exceeds the criteria of the following:

ENERGY STAR v3
ENERGY STAR v3.1

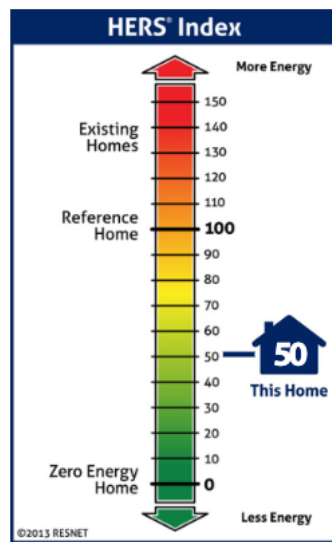
Rating Completed by:

Energy Rater: Jonathan Gensler
RESNET ID: 9848511

Rating Company: Revive Energy LLC
1831 12th Ave S, Nashville TN 37203
615-398-9096

Rating Provider: RATERusa
PO BOX 1280
855-273-7872

Jonathan Gensler, Certified Energy Rater
Digitally signed: 4/13/21 at 10:42 AM



Home Feature Summary:

Home Type:	Single family detached
Model:	Custom
Community:	N/A
Conditioned Floor Area:	1,686 ft ²
Number of Bedrooms:	2
Primary Heating System:	Air Source Heat Pump • Electric • 9 HSPF
Primary Cooling System:	Air Source Heat Pump • Electric • 17.25 SEER
Primary Water Heating:	Water Heater • Electric • 0.92 UEF
House Tightness:	961 CFM50 (2.09 ACH50)
Ventilation:	120 CFM • 8 Watts
Duct Leakage to Outside:	1 CFM @ 25Pa (0.06 / 100 ft ²)
Above Grade Walls:	R-25
Ceiling:	Vaulted Roof, R-39
Window Type:	U-Value: 0.3, SHGC: 0.29
Foundation Walls:	R-13



Ekotrope RATER - Version:3.2.3.2652

The Energy Rating Disclosure for this home is available from the Approved Rating Provider.

This report does not constitute any warranty or guarantee.

3487 Tobe Robertson Rd, Columbia, TN

HERS® Index Score:

50

Rating Date: Apr 6, 2021

HERS Registry ID: 9848511

Annual Estimates:

Electric (kWh): 8,794.4

CO2 (Tons): 5.7

Approx. Energy Cost: \$1,020

Rating Company:

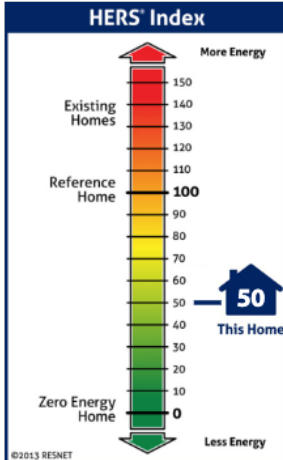
Revive Energy LLC

Rating Provider:

RATERusa

Rating Provider Address:

PO BOX 1280



Home Feature Summary:

Single family detached, 2 bedrooms, 1,686 ft²

Heating: 9 HSPF

Cooling: 17.25 SEER

Hot Water: 0.92 UEF

Air Leakage:

961 CFM50 (2.09 ACH50)

Ventilation: 120 CFM • 8 W

Duct LTO:

1 CFM @ 25Pa (0.06 / 100 ft²)

Above Grade Walls: R-25

Ceiling: Vaulted Roof, R-39

Window: U: 0.3 • SHGC: 0.29

Foundation Walls: R-13



Ekotrope RATER - Version:

3.2.3.2652

This report does not constitute any warranty or guarantee.



ENERGY STAR

CERTIFIED
NEW HOME

Address:

3487 Tobe Robertson Rd
Columbia, TN 38401

Built by:

Cody Hazelwood

Verified by:

Revive Energy LLC

Date:

Apr 13, 2021

ENERGY STAR® for Homes Version Number:

3.0

Optional information:

Verified using Ekotrope (Version 3.2.3.2652)

This home has been independently verified to meet EPA's strict
guidelines for energy efficiency.

Learn more at energystar.gov

RESNET HOME ENERGY RATING Standard Disclosure



For home(s) located at: 3487 Tobe Robertson Rd,
Columbia, TN

Check the applicable disclosure(s):

- ☒ 1. The Rater or the Rater's employer is receiving a fee for providing the rating on this home.
- ☒ 2. In addition to the rating, the Rater or the Rater's employer has also provided the following consulting services for this home:

- ☐ A. Mechanical system design
- ☒ B. Moisture control or indoor air quality consulting
- ☒ C. Performance testing and/or commissioning other than required for the rating itself
- ☐ D. Training for sales or construction personnel
- ☐ E. Other(specify)

- ☐ 3. The Rater or the Rater's employer is:

- ☐ A. The seller of this home or their agent
- ☐ B. The mortgagor for some portion of the financed payments on this home
- ☐ C. An employee, contractor, or consultant of the electric and/or natural gas utility serving this home


- ☒ 4. The Rater or Rater's employer is a supplier or installer of products, which may include:

Products	Installed in this home by		OR is in the business of	
HVAC systems	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Thermal insulation systems	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer	<input checked="" type="checkbox"/> Rater	<input type="checkbox"/> Employer
Air sealing of envelope or duct systems	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Energy efficient appliances	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Construction (builder, developer, construction contractor, etc)	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer
Other (specify): <input type="text"/>	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer	<input type="checkbox"/> Rater	<input type="checkbox"/> Employer

- ☐ 5. This home has been verified under the provisions of Chapter 6, Section 603 "Technical Requirements for Sampling" of the Mortgage Industry National Home Energy Rating Standard as set forth by the Residential Energy Services Network (RESNET). Rater Certification #: 9848511

Name: Jonathan Gensler

Organization: Revive Energy LLC

Signature: 

Digitally signed: 4/13/21 at 10:42 AM

I attest that the above information is true and correct to the best of my knowledge. As a Rater or Rating Provider I abide by the rating quality control provisions of the Mortgage Industry National Home Energy Rating Standard as set forth by the Residential Energy Services Network(RESNET). The national rating quality control provisions of the rating standard are contained in Chapter One 102.1.4.6 of the standard and are posted at

<https://standards.resnet.us>

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

Indoor airPLUS Qualified Home

This home built at
3487 Tobe Robertson Rd
Columbia, TN 38401
was verified by
Revive Energy LLC

to meet Indoor airPLUS construction
specifications as established
by the
U.S. Environmental Protection Agency.



Indoor airPLUS qualified homes are
designed to contribute to improved
indoor air quality.

2021-04-06



Indoor airPLUS Features

- Moisture and Mold Control
- Radon Resistant Construction
- Pest Barriers
- Effective Heating, Ventilating, and Air-Conditioning Systems
- Safe Combustion
- Healthier Building Materials

Not all features are required in all cases. To learn more about indoor air quality features in your home, ask your builder to review the Indoor airPLUS verification checklist with you, or visit www.epa.gov/indoorairplus.



Built by:

Cody Hazelwood

Verified by:

Revive Energy LLC

Date:

2021-04-06

New homes that are Indoor airPLUS qualified meet U.S. Environmental Protection Agency guidelines for improved indoor air quality.

www.epa.gov/indoorairplus

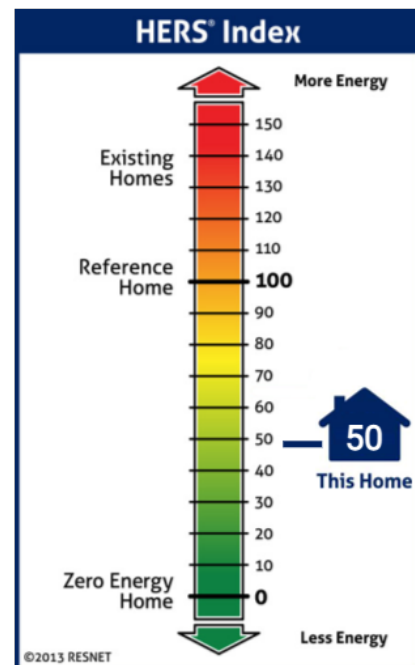


YOUR HOME WAS DESIGNED, ENGINEERED, AND
CONSTRUCTED IN CONFORMANCE TO U.S
DEPARTMENT OF ENERGY (DOE) GUIDELINES
FOR EXTRAORDINARY LEVELS OF EXCELLENCE
AND QUALITY.

Address:
3487 Tobe Robertson Rd, Columbia, TN
38401
Builder: Cody Hazelwood
Inspector: Revive Energy LLC
Date: 2021-04-06

HERS Score: 50
ZERH Target Score: 50

THIS HOME MEETS OR EXCEEDS THE MINIMUM
CRITERIA FOR THE FOLLOWING:
ENERGY STAR V3
ENERGY STAR V3.1



SAM RASHKIN, CHIEF ARCHITECT
BUILDING TECHNOLOGIES
U.S. DEPARTMENT OF ENERGY

Ekotrope RATER - Version 3.2.3.2652

All results are based on data entered by Ekotrope users. Ekotrope disclaims all liability for the information shown on this report.

2005 EPAct Energy Efficient Home Tax Credit

**Property**

3487 Tobe Robertson Rd
Columbia, TN 38401
Model: Custom
Community: N/A

Organization

Revive Energy LLC
Jonathan Gensler
615-398-9096

Inspection Status

2021-04-06
Rater ID (RTIN): 9848511
RESNET Registered
(Confirmed)

9848511.72.3487TobeRobertsonRd
As built final

Builder

Cody Hazelwood

RESNET Confirmed Rating

Normalized Modified End-Use Loads (MBtu / year)

Category	2006 IECC 50% Target	As Designed
Heating	14.6	15.3
Cooling	9.0	6.6
Total	23.6	21.9

Envelope Loads (MBtu / year)

Category	2006 IECC 90% Target	As Designed
Heating	26.2	17.7
Cooling	16.1	11.9
Total	42.3	29.6

Building Features

Ceiling U: 0.024
Wall U: 0.036
Framed Floor U: N/A
Slab R: R-0
Glazing Properties: U-Value: 0.3, SHGC: 0.29

Heating System: Air Source Heat Pump • Electric • 9 HSPF
Cooling System: Air Source Heat Pump • Electric • 17.25 SEER
Duct Leakage to Outside: 1 CFM @ 25Pa (0.06 / 100 ft²)

This home meets the requirements for the residential energy efficiency tax credit under section 1332, Credit for Construction of New Energy Efficient Homes, of the Energy Policy Act of 2005. Builder should verify that the 45L Tax Credit is available for the year in which this home was built.

The undersigned certifier verifies that:

- (1) The dwelling unit has a projected level of annual heating and cooling energy consumption that is at least 50 percent below the annual level of heating and cooling energy consumption of a reference dwelling unit in the same climate zone;
- (2) Building envelope component improvements alone account for a level of annual heating and cooling energy consumption that is at least 10 percent below the annual level of heating and cooling energy consumption of a reference dwelling unit in the same climate zone; and
- (3) Heating and cooling energy consumption have been calculated in the manner prescribed in section 2.03 of this notice.
- (4) Field inspections of the dwelling unit (or of other dwelling units under the ENERGY STAR® for Homes Sampling Protocol Guidelines) performed by the eligible certifier during and after the completion of construction have confirmed that all features of the home affecting such heating and cooling energy consumption comply with the design specifications provided to the eligible certifier.

"Under penalties of perjury, I declare that I have examined this certification, including accompanying documents, and to the best of my knowledge and belief, the facts presented in support of this certification are true, correct, and complete."

Name: Jonathan Gensler

Organization: Revive Energy LLC

Signature:

Digitally signed:

4/13/21 at 10:42 AM