

# Home Energy Rating Certificate

## Final Report

Rating Date: 2022-06-15

Registry ID: 713847935

Ekotrope ID: YdxW07BL

### HERS® Index Score:

# -1

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](http://www.hersindex.com)

### Annual Savings

# \$7,011

\*Relative to an average U.S. home

### Home:

713 Merlin Way  
Dexter, MI 48130

### Builder:

Adaptive Building Solutions LLC

### Your Home's Estimated Energy Use:

	Use [MBtu]	Annual Cost
Heating	26.2	\$920
Cooling	3.1	\$110
Hot Water	2.7	\$95
Lights/Appliances	27.1	\$953
Service Charges		\$180
Generation (e.g. Solar)	61.0	-\$2,077
<b>Total:</b>	<b>59.1</b>	<b>\$180</b>

### This home meets or exceeds the criteria of the following:

ENERGY STAR v3  
ENERGY STAR v3.1  
2015 Michigan Energy Code

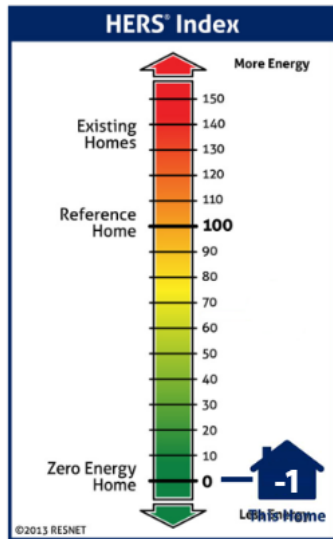
### Rating Completed by:

**Energy Rater:** Kevin McNeely  
RESNET ID: 6427882

**Rating Company:** McNeely Building Group, LLC

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

Kevin McNeely, Certified Energy Rater  
Date: 7/12/22 at 9:22 PM



### Home Feature Summary:

Home Type:	Single family detached
Model:	Custom
Community:	N/A
Conditioned Floor Area:	4,412 ft <sup>2</sup>
Number of Bedrooms:	4
Primary Heating System:	Ground Source Heat Pump • Electric • 2.8 COP
Primary Cooling System:	Ground Source Heat Pump • Electric • 14.3 EER
Primary Water Heating:	Residential Water Heater • Electric • 3.35 Energy Factor
House Tightness:	745 CFM50 (1.07 ACH50)
Ventilation:	200 CFM • 70 Watts (Default)
Duct Leakage to Outside:	115 CFM @ 25Pa (2.61 / 100 ft <sup>2</sup> )
Above Grade Walls:	R-37
Ceiling:	Vaulted Roof, R-70
Window Type:	U-Value: 0.24, SHGC: 0.39
Foundation Walls:	N/A
Framed Floor:	N/A



# LEED for Homes Source Energy Budget

## Property

713 Merlin Way  
Dexter, MI 48130  
Model: Custom

## Organization

McNeely Building Group, L  
Kevin McNeely  
734.891.4888

## Inspection Status

2022-06-15  
Rater ID (RTIN): 6427882  
RESNET Registered  
(Confirmed)

The 713 Project: For the Journey  
Final Home Construction

## Builder

Adaptive Building  
Solutions LLC

**This home will consume 108% less source energy than the LEED Source Energy Budget limit.**

### Source Energy Consumption (MBtu / year)\*

	LEED Reference	As Designed
Heating	124.2	72.6
Cooling	8.2	9.4
Hot Water	44.4	8.6
Lights and Appliances	77.2	84.5
Onsite Generation	0.0	-195.2
<b>Total</b>	<b>254.0</b>	<b>-20.2</b>

\*Source Energy is determined by multiplying site energy electric use by 3.2 and fossil fuel use by 1.05. Note that if there are major energy consumers not included in this energy rating (e.g. pool pumps), they must be included separately.

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