

## Energy Calculations

Disclaimer. Actually products and specs may vary, ultimate finish design of home will provide energy modeling consistent with, equal to, or greater, but products and specs will vary.

M-Plan

### Home Energy Rating Certificate

Projected Report  
Based on Plans

Rating Date:  
Registry ID:  
Ekotrope ID: yvPRaBRL



**HERS® Index Score:**

55

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**

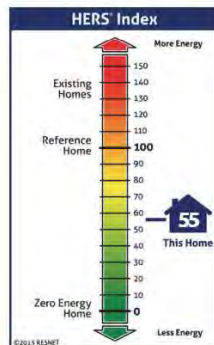
\$6,071

\*Relative to an average U.S. home

#### Your Home's Estimated Energy Use:

	Use [MBtu]	Annual Cost
Heating	28.7	\$1,988
Cooling	0.9	\$61
Hot Water	2.5	\$176
Lights/Appliances	25.6	\$1,609
Service Charges		\$204
Generation (e.g. Solar)	0.0	\$0
<b>Total:</b>	<b>57.8</b>	<b>\$4,038</b>

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



#### Home Feature Summary:

Home Type:	Townhouse, inside unit
Model:	Mercer ALL ELECTRIC
Community:	N/A
Conditioned Floor Area:	3,591 ft <sup>2</sup>
Number of Bedrooms:	4
Primary Heating System:	Air Source Heat Pump • Electric • 10 HSPF
Primary Cooling System:	Air Source Heat Pump • Electric • 18 SEER
Primary Water Heating:	Residential Water Heater • Electric • 3.45 Energy Factor
House Tightness:	2.5 ACH50
Ventilation:	65.91 CFM • 7.91 Watts
Duct Leakage to Outside:	107.73 CFM @ 25Pa (3 / 100 ft <sup>2</sup> )
Above Grade Walls:	R-13
Ceiling:	Attic, R-49
Window Type:	U-Value: 0.3, SHGC: 0.28
Foundation Walls:	R-19
Framed Floor:	R-30

#### Rating Completed by:

**Energy Rater:** Chris Decker  
RESNET ID: 1556974

**Rating Company:** GDS Associates, Inc.  
1155 Elm Street, Suite 702, Manchester, NH 03101  
(603) 656-0336

**Rating Provider:** GDS Associates, Inc.  
1155 Elm Street, Suite 702, Manchester, NH 03101  
(603) 656-0336



Chris Decker, Certified Energy Rater  
Date: 4/15/22 at 1:11 PM



Energy savings calculated without modifications to the energy model. (As Modeled)

Ekotrope RATER - Version:4.0.0.2876  
The Energy Rating Disclosure for this home is available from the Approved Rating Provider.  
This report does not constitute any warranty or guarantee.

**C-Plan**  
**Home Energy Rating Certificate**  
**Projected Report**

Rating Date:  
 Registry ID:  
 Ekotrope ID: mvoKAapv



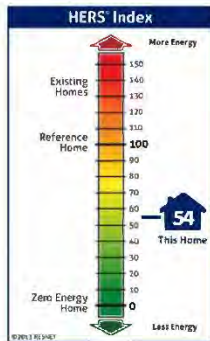
**HERS® Index Score:**  
**54** Your home's HERS score is a relative performance score. The lower the number, the more energy efficient the home. To learn more, visit [www.hersindex.com](http://www.hersindex.com)

**Annual Savings**  
**\$6,333**  
 \*Relative to an average U.S. home

**Your Home's Estimated Energy Use:**

	Use (MBtu)	Annual Cost
Heating	41.9	\$1,965
Cooling	1.4	\$56
Hot Water	3.0	\$134
Lights/Appliances	39.2	\$1,744
Service Charges		\$82
Generation (e.g. Solar)	0.0	\$0
<b>Total:</b>	<b>85.5</b>	<b>\$3,981</b>

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



**Home Feature Summary:**

- Home Type: Single family detached
- Model: Chatsworth
- Community: N/A
- Conditioned Floor Area: 6,357 ft<sup>2</sup>
- Number of Bedrooms: 4
- Primary Heating System: Air Source Heat Pump • Electric • 10 HSPF
- Primary Cooling System: Air Source Heat Pump • Electric • 18 SEER
- Primary Water Heating: Residential Water Heater • Electric • 3.45 UEF
- House Tightness: 3 ACH50
- Ventilation: 53 CFM, 49 CFM • 58.8 Watts, 5.88 Watts
- Duct Leakage to Outside: 175 CFM @ 25Pa (3.88 / 100 ft<sup>3</sup>)
- Above Grade Walls: R-21
- Celling: Attic, R-49
- Window Type: U-Value: 0.27, SHGC: 0.3
- Foundation Walls: R-19
- Framed Floor: R-30

**Rating Completed by:**

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Chris Decker, Certified Energy Rater  
 Date: 3/29/22 at 3:44 PM

**H-Plan**

**Home Energy Rating Certificate  
Projected Report**

Rating Date:  
Registry ID:  
Ekotrope ID: mvoP7VO2



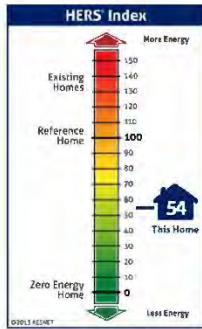
**HERS® Index Score:**  
**54**  
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**Annual Savings**  
**\$7,472**  
\*Relative to an average U.S. home

**Your Home's Estimated Energy Use:**

	Use [MBtu]	Annual Cost
Heating	55.9	\$2,659
Cooling	2.0	\$81
Hot Water	3.0	\$136
Lights/Appliances	37.0	\$1,658
Service Charges		\$82
Generation (e.g. Solar)	0.0	\$0
<b>Total:</b>	<b>97.9</b>	<b>\$4,616</b>

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



**Home Feature Summary:**

- Home Type: Single family detached
- Model: Hardwick
- Community: N/A
- Conditioned Floor Area: 6,752 ft<sup>2</sup>
- Number of Bedrooms: 4
- Primary Heating System: Air Source Heat Pump • Electric • 10 HSPF
- Primary Cooling System: Air Source Heat Pump • Electric • 18 SEER
- Primary Water Heating: Residential Water Heater • Electric • 3.45 Energy Factor
- House Tightness: 3 ACH50
- Ventilation: 59 CFM, 40 CFM • 59 Watts, 4.8 Watts
- Duct Leakage to Outside: 185 CFM @ 25Pa (3.93 / 100 ft<sup>2</sup>)
- Above Grade Walls: R-21
- Ceiling: Attic R-49
- Window Type: U-Value: 0.29, SHGC: 0.29
- Foundation Walls: R-19
- Framed Floor: R-38

**Rating Completed by:**

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Chris Decker, Certified Energy Rater  
Date: 3/29/22 at 3:44 PM



Ekotrope RATER - Version: 4.0.1.2865  
The Energy Rating Disclosure for this home is available from the Approved Rating Provider.  
This report does not constitute any warranty or guarantee.

**K-Plan**  
**Home Energy Rating Certificate**  
 Projected Report

Rating Date:  
 Registry ID:  
 Ekotrope ID: AvjJm93v

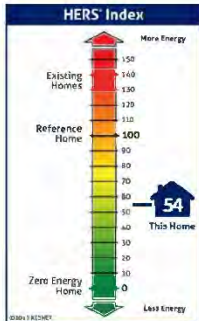


<b>HERS® Index Score:</b> <span style="font-size: 2em; font-weight: bold; color: white;">54</span> Your home's HERS score is a relative performance score. The lower the number, the more energy efficient the home. To learn more, visit <a href="http://www.hersindex.com">www.hersindex.com</a>	<b>Annual Savings</b> <span style="font-size: 2em; font-weight: bold; color: white;">\$6,765</span> *Relative to an average U.S. home
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**Your Home's Estimated Energy Use:**

	Use [MBtu]	Annual Cost
Heating	47.3	\$2,231
Cooling	1.6	\$67
Hot Water	2.9	\$130
Lights/Appliances	38.1	\$1,698
Service Charges		\$82
Generation (e.g. Solar)	0.0	\$0
<b>Total:</b>	<b>89.9</b>	<b>\$4,207</b>

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



**Home Feature Summary:**

Home Type: Single family detached  
 Model: Kendall  
 Community: N/A  
 Conditioned Floor Area: 6,780 ft<sup>2</sup>  
 Number of Bedrooms: 4  
 Primary Heating System: Air Source Heat Pump • Electric • 9.5 HSPF  
 Primary Cooling System: Air Source Heat Pump • Electric • 18 SEER  
 Primary Water Heating: Residential Water Heater • Electric • 3.45 UEF  
 House Tightness: 3 ACH50  
 Ventilation: 57 CFM, 49 CFM • 63.23 Watts, 5.88 Watts  
 Duct Leakage to Outside: 195.2 CFM @ 25Pa (4 / 100 ft<sup>2</sup>)  
 Above Grade Walls: R-21  
 Ceiling: Attic, R-49  
 Window Type: U-Value: 0.29, SHGC: 0.29  
 Foundation Walls: R-19  
 Framed Floor: R-30

**Rating Completed by:**

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 RESNET ID: 1556974  
**Rating Company:** GDS Associates, Inc.  
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Chris Decker, Certified Energy Rater  
 Date: 3/29/22 at 3:44 PM

## W-Plan

# Home Energy Rating Certificate

## Projected Report

Rating Date:  
Registry ID:  
Ekotrope ID: KvpMp9V2



### HERS® Index Score:

# 54

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### Annual Savings

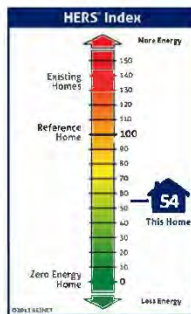
# \$7,404

\*Relative to an average U.S. home

### Your Home's Estimated Energy Use:

	Use [MBtu]	Annual Cost
Heating	51.9	\$2,463
Cooling	1.3	\$54
Hot Water	2.9	\$131
Lights/Appliances	40.3	\$1,808
Service Charges		\$82
Generation (e.g. Solar)	0.0	\$0
<b>Total:</b>	<b>96.4</b>	<b>\$4,538</b>

This home meets or exceeds the criteria of the following:



### Home Feature Summary:

Home Type:	Single family detached
Model:	Wentworth
Community:	N/A
Conditioned Floor Area:	6,726 ft <sup>2</sup>
Number of Bedrooms:	4
Primary Heating System:	Air Source Heat Pump • Electric • 10 HSPF
Primary Cooling System:	Air Source Heat Pump • Electric • 18 SEER
Primary Water Heating:	Residential Water Heater • Electric • 3.45 UCF
House Tightness:	3 ACH50
Ventilation:	70 CFM, 35 CFM - 50 Watts, 11 Watts
Duct Leakage to Outside:	189 CFM @ 25Pa (3.89 / 100 ft <sup>2</sup> )
Above Grade Walls:	R-21
Ceiling:	Attic, R 49
Window Type:	U-Value: 0.29, SHGC: 0.3
Foundation Walls:	R-19
Framed Floor:	R-30

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