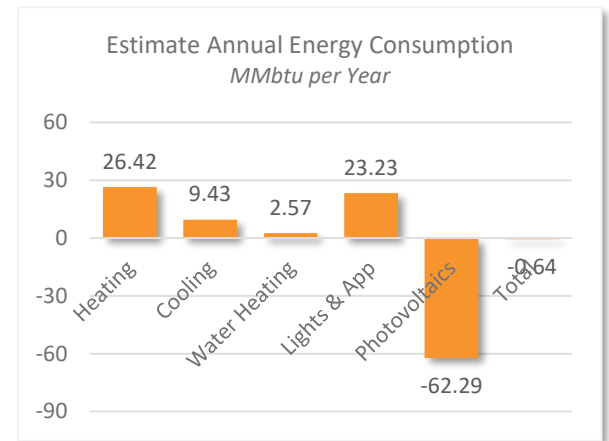
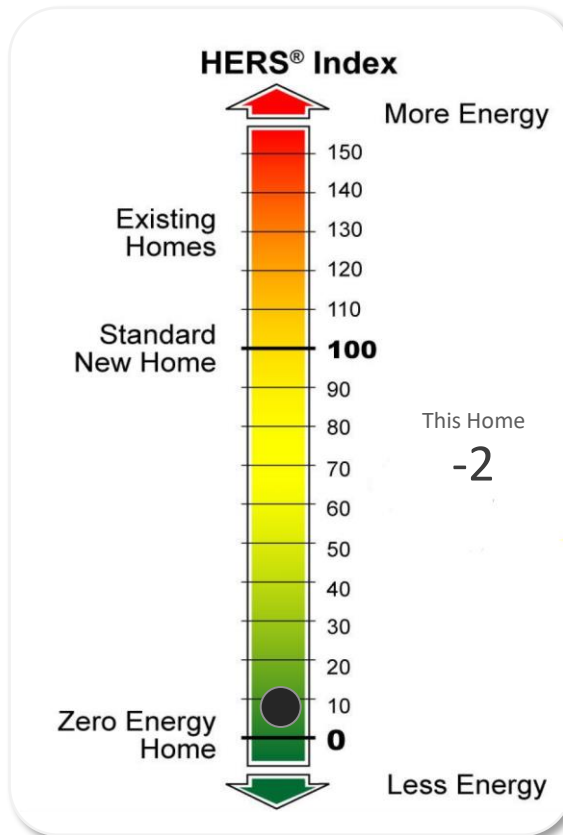
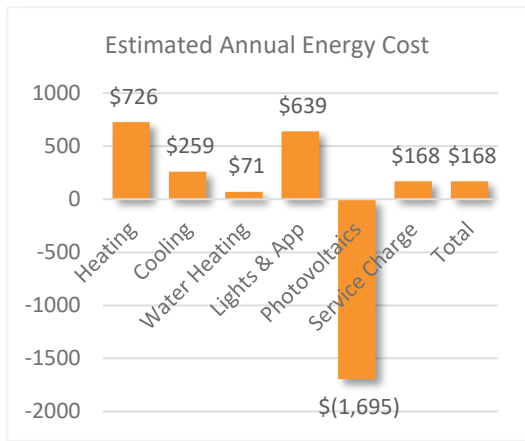


RESIDENTIAL NEW HOME ENERGY RATING CERTIFICATE



Address **4640 Array Drive
Chapel Hill, NC 27516**

House Type **Single Family House**

Cond. Area **3,037 sq ft**

Rating ID **112543**

Issue Date **10/24/2023**

Certification **Verified**

Annual Estimates*

Electric (kWh) **18,084**

Natural gas (Therms) **-**

Propane (Gallons) **-**

CO2 emissions(Tons) **11**

Annual Savings** **\$914**

* Based on standard operating conditions

** Based on a HERS 130 Index Home

Ekotrope Rater

Rating Company **Southern Energy Management**

5908 Triangle Drive

Raleigh, NC 27617

Certified Rater **Henry Hogan**

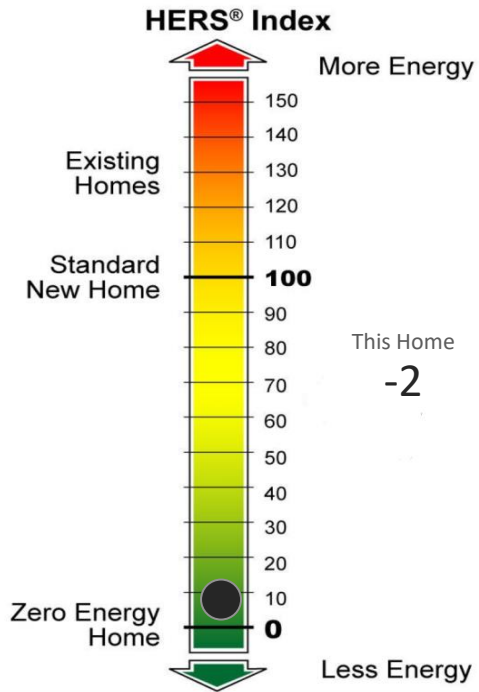
Rater ID **3357391**

Registry ID **698250257**

Rating Date **10/17/2023**

This information does not constitute any warranty of energy cost or savings.
The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

RESNET HERS Index Certificate



4640 Array Drive
Chapel Hill, NC 27516
Rater: Henry Hogan
Registry ID: 698250257

Annual Estimates*:

Elec(kWh): 18,084 Gas(Therms):
CO2 emissions(Tons): 11
Energy Savings (\$)** 914

*Based on standard operating conditions
**Based on U.S. DOE designation of a HERS Index of 130 as the 'Typical Existing Home'



SOUTHERN ENERGY MANAGEMENT

5908 Triangle Drive
Raleigh, NC 27617
919.836.0330



This home has been inspected and performance tested in accordance with Chapter 3 of the RESNET standards.

RESNET Home Energy Rating

For home located at: 4640 Array Drive

City: Chapel Hill State: NC

- 1. The Rater or Rater's employer is receiving a fee for providing the rating on this home.
- 2. In addition to the rating, the Rater or 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 below)

- 3. The Rater or Rater's employer is:
 - A. The seller of this home or their agent
 - B. The mortgagor for some portion of the financial 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:

	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 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
Windows or window shading 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 below):	<input type="checkbox"/>	Rater	<input type="checkbox"/>	Employer	<input type="checkbox"/>	Rater	<input checked="" type="checkbox"/>	Employer

Renewable Energy and Energy Management Systems; Punchlist Services

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 4.C.8. of the standard and are posted at http://resnet.us/standards/RESNET_Mortgage_Industry_National_HERS_Standards.pdf.

Henry Hogan
Rater's Printed Name

698250257
Certification #

Henry Hogan
Rater's Signature

October 24, 2023
Date

HOW TO READ THE HERS® INDEX

With home energy costs continuing to increase, it only makes sense to find out how energy efficient the home you're buying really is. The U.S. Department of Energy estimates that houses built in line with today's energy code use 30-40% less energy than older homes; however by evaluating your home's HERS index, you can better assess the efficiency of the home you're buying.

A Home Energy Rating involves an analysis of a home's efficiency through a comprehensive plan review and several on-site inspections during the construction of your home. Upon completion of the home's plan review, an independent third party Home Energy Rater will work with the builder to identify energy efficiency improvements. The Rater then conducts on-site inspections which include a blower door test (to test whole-house air infiltration) and a duct test (to test for unwanted air leakage in the duct system). The results of these tests, along with inputs derived from the comprehensive plan review, are used to generate the HERS Index for the home.

The home energy rating is a widely recognized tool in the mortgage industry. Home energy ratings can also be used in a variety of ways in the housing industry. Since a rating quantifies the energy performance of a home, the HERS Index provides a means to compare the relative energy efficiency of different homes.

A new home built to the 2006 IECC would score a 100. One point in either direction indicates the home is either 1% more or less efficient than the 2006 IECC reference design home. Please reference your HERS certificate for more information regarding your home's individually rated HERS Index. For more information on the Home Energy Rating System, please visit: www.resnet.us

