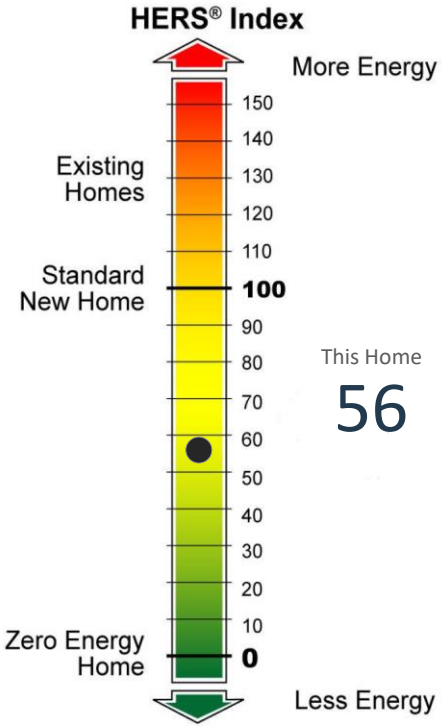
Home Energy Rating Certificate

SOUTHERN ENERGY MANAGEMENT
ENERGY EFFICIENCY & SOLAR POWER



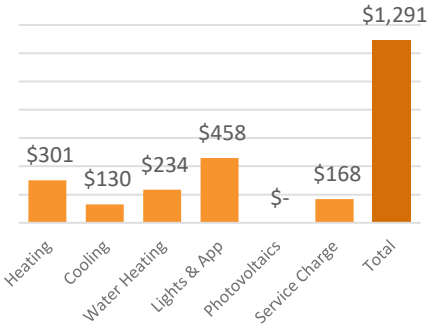
HERS Score

56

Rating Details

Address	1908 Oaklawn Avenue Charlotte, NC 28216
House Type	SingleFamilyHouse
Cond. Area	1,985 sq ft
Rating ID	61347
Issue Date	01/22/20
Certification	Verified
Builder	Wittehaus, LLC

Estimate Annual Energy Usage



Rating Company

Southern Energy Management
5908 Triangle Drive
Raleigh, NC 27617
southern-energy.com

Certified Rater	Sara Caliendo
Rater ID	4811623
Registry ID	292898200
Rating Date	01/17/20

Annual Estimates*

Electric (kWh)	**12,690**
Natural gas (Therms)	**-**
Propane (Gallons)	**-**
C02 emissions(Tons)	**7.9**
Annual Savings*	**$1,162**

**Based on a HERS 130 Index Home*

Solar Potential Analysis

Recommended System Size **7.9 kW**
Based on your projected energy usage and roof size

Approx. Annual Savings **$1,000**
Dependent on roof orientation, pitch, and shading

78%	$15,000	4,870
of electricity usage offset by solar	increase in your home's value	Trees Planted *Equivalent Environmental Impact*

Request a Free Estimate
southern-energy.com/HERS-Solar

Ekotrope Rater

An ENERGY STAR® Qualified Home

This certifies that the home built at

1908 Oaklawn Avenue, Charlotte, NC 28216

by Wittehaus, LLC

and verified by Southern Energy Management

meets ENERGY STAR guidelines for energy efficiency as established by the U.S. Environmental Protection Agency.

ENERGY STAR qualified homes protect the environment by using less energy.

HERS Index: 56

January 22, 2020

Sam Rashkin
Director
ENERGY STAR for New Homes

www.energystar.gov

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF AIR AND RADIATION

January 22, 2020

1908 Oaklawn Avenue
Charlotte, NC 28216

Built by: Wittehaus, LLC
Home Energy Inspection by: Southern Energy Management

Dear New ENERGY STAR Homeowner,

Congratulations on your new home!

Your home has been qualified to meet the U.S. Environmental Protection Agency's strict ENERGY STAR guidelines, which means your home is significantly more energy efficient than houses that are built to standard code. By purchasing an ENERGY STAR qualified home, you now own a home that performs better for both you and the environment. This is because they typically include energy efficient features like airtight construction and duct work, effective insulation, high-efficiency heating and cooling equipment, and high performance windows. As a result, you can expect your new home to be more comfortable, with fewer drafts, more consistent temperature levels, and better indoor air quality.

On top of all this, you can look forward to saving money each month with lower utility bills. In fact, lower utility costs are built into every ENERGY STAR qualified home. These homes use substantially less energy for heating, cooling, and water heating than minimum code homes. As a result, you can expect to save approximately $200-400 each year on your energy bills. In addition, the quality features and performance advantages associated with an energy efficient home provide the opportunity for higher resale value.

Buying an ENERGY STAR qualified home also means that you're helping to protect the environment. You can be proud that your new home reduces air pollution and the effects of global climate change, while saving our nation's natural resources for future generations.

Now that you're the owner of an ENERGY STAR qualified home, keep an eye out for ENERGY STAR lighting, appliances, and electronics. These products can provide you with additional benefits and do more to protect the environment. On average, these products use 20 percent less energy than comparable items in the marketplace. Just look for the label! For more information visit ENERGY STAR online at www.energystar.gov.

Again - congratulations on your new ENERGY STAR qualified home!

Sincerely,

Sam Rashkin
Director
ENERGY STAR for New Homes

RESNET Home Energy Rating Standard Disclosure

For home located at: 1908 Oaklawn Avenue

City: Charlotte **State:** NC

1. [X] 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. [X] 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	[ ] Rater	[ ] Employer	[ ] Rater	[ ] Employer
Thermal Insulation Systems	[ ] Rater	[ ] Employer	[ ] Rater	[ ] Employer
Air sealing of envelope or duct systems	[ ] Rater	[ ] Employer	[ ] Rater	[ ] Employer
Windows or window shading systems	[ ] Rater	[ ] Employer	[ ] Rater	[ ] Employer
Energy efficient appliances	[ ] Rater	[ ] Employer	[ ] Rater	[ ] Employer
Construction (builder, developer, construction contractor, etc.)	[ ] Rater	[ ] Employer	[ ] Rater	[ ] Employer
Other (specify below):	[ ] Rater	[ ] Employer	[ ] Rater	[X] 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. The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

Sara Caliendo — Rater's Printed Name

292898200 — Certification #

Sara Caliendo — Rater's Signature

January 22, 2020 — Date

RESNET Form 0300-2

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