

# Home Energy Rating Certificate

Projected Report  
Based on Plans

Rating Date: 2025-04-18

Registry ID:

Ekotrope ID: dmagmEnd

## HERS® Index Score:

# 57

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

# \$507

\*Relative to an average U.S. home

## Home:

9850 Two Notch Road  
Columbia, SC

## Builder:

## Your Home's Estimated Energy Use:

	Use [MBtu]	Annual Cost
Heating	4.0	\$94
Cooling	3.3	\$76
Hot Water	3.9	\$91
Lights/Appliances	11.5	\$270
Service Charges		\$60
Generation (e.g. Solar)	0.0	\$0
<b>Total:</b>	<b>22.7</b>	<b>\$592</b>

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

ENERGY STAR MF v1.1  
ENERGY STAR MF v1.0  
ENERGY STAR v3.1  
ENERGY STAR v3  
2009 International Energy Conservation Code  
2006 International Energy Conservation Code

## Rating Completed by:

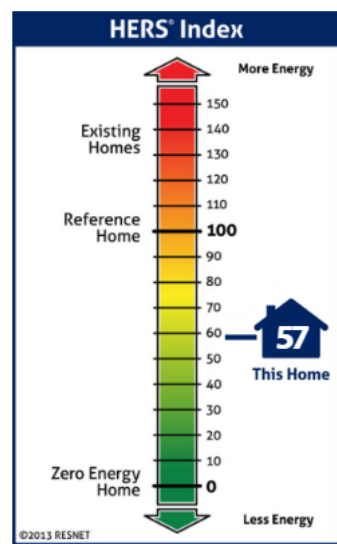
**Energy Rater:** Benoit Rivard  
RESNET ID: 4443444

**Rating Company:** Southern Energy Management MES  
5908 Triangle Drive

**Rating Provider:** Southern Energy Management  
5908 Triangle Drive, Raleigh, NC 27617  
919-836-0330



Benoit Rivard, Certified Energy Rater  
Digitally signed: 4/18/25 at 4:34 PM



## Home Feature Summary:

Home Type:	Apartment, inside unit
Model:	1Br ext ground
Community:	SC MFNC V1.1 Garden
Conditioned Floor Area:	859 ft <sup>2</sup>
Number of Bedrooms:	1
Primary Heating System:	Air Source Heat Pump • Electric • 9 HSPF
Primary Cooling System:	Air Source Heat Pump • Electric • 16 SEER
Primary Water Heating:	Residential Water Heater • Electric • 0.95 Energy Factor
House Tightness:	0.3 CFM50 / s.f. Shell Area (Adjusted Infiltration: 6.45 ACH50)
Ventilation:	80 CFM (unmeasured) • 42.81 Watts (Default) • Exhaust Only
Duct Leakage to Outside:	Untested Forced Air
Above Grade Walls:	R-15
Ceiling:	Attic, R-42
Window Type:	U-Value: 0.3, SHGC: 0.27
Foundation Walls:	N/A
Framed Floor:	R-11



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

Ekotrope RATER - Version:4.0.0.3613

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

This report does not constitute any warranty or guarantee.

# ENERGY STAR MF V1.1 Home Report

Property	Organization	Inspection Status
9850 Two Notch Road Columbia, SC Model: 1Br ext ground Community: SC MFNC V1.1 Garden	Southern Energy Management Benoit Rivard 9196228441	Results are projected
<b>Builder</b>		
Brookdale Place_1Br garden top SC MFNC V1.1_1Br garden top		

## Mandatory Requirements

- ✓ Duct leakage at post construction better than or equal to applicable requirements.
- ✓ Total building thermal envelope UA meets or exceeds applicable requirements.
- ✓ Slab on Grade Insulation must be > R-5, and at IECC 2009 Depth for Climate Zones 4 and above.
- ✓ Envelope insulation achieves RESNET Grade I installation, or uses exceptions in footnote 5.
- ✓ Total window thermal properties meet or exceed the applicable requirements
- ✓ Duct insulation meets the EPA minimum requirements of R-6.
- ✓ Mechanical ventilation system is installed in the home.
- ✓ Measured infiltration is better than or equal to applicable requirements.
- ✓ ENERGY STAR Checklists fully verified and complete.

## ERI (HERS) Index Target

Reference Home ERI (HERS)	58
SAF (Size Adjustment Factor)	1.00
SAF Adjusted ERI (HERS) Target	58
As Designed Home ERI (HERS)	57
As Designed Home ERI (HERS) w/o PV	57

## Normalized, Modified End-Use Loads (MBtu / year)

	ENERGY STAR	As Designed
Heating	4.2	5.3
Cooling	4.8	4.6
Water Heating	4.0	3.2
Lights and Appliances	12.1	11.5
Total	25.1	24.6



This home **MEETS** or **EXCEEDS** the energy efficiency requirements for designation as an EPA ENERGY STAR Qualified Home under Version Multifamily V1.1

## Pollution Prevented

Type of Emissions	Reduction
Carbon Dioxide (CO <sub>2</sub> ) - tons/yr	-0.1

## Energy Cost Savings

	\$/yr
Heating	-25
Cooling	-18
Water Heating	23
Lights & Appliances	9
Generation Savings	0
Total	-10

The energy savings and pollution prevented are calculated by comparing the Rated Home to the ENERGY STAR Version Multifamily V1.1 Reference Home as defined in the ENERGY STAR Qualified Homes ERI (HERS) Target Procedure for National Program Requirements, Version Multifamily V1.1 promulgated by the Environmental Protection Agency (EPA). In accordance with the ANSI/RESNET/ICC 301 Standard, building inputs affecting setpoints infiltration rates, window shading and the existence of mechanical systems may have been changed prior to calculating loads

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

# Building Specification Summary

<b>Property</b>	<b>Organization</b>	<b>Inspection Status</b>
9850 Two Notch Road Columbia, SC Model: 1Br ext ground Community: SC MFNC V1.1 Garden	Southern Energy Management Benoit Rivard 9196228441	Results are projected
<b>Builder</b>		
Brookdale Place_1Br garden top SC MFNC V1.1_1Br garden top		

## Building Information

Conditioned Area [ft²]	859.00
Conditioned Volume [ft³]	7,731.00
Thermal Boundary Area [ft²]	2,825.00
Number Of Bedrooms	1
Housing Type	Apartment, inside unit

## Rating

HERS ERI	57
HERS ERI w/o PV	57

## Building Shell

Ceiling w/ Attic	R-42 Blown G1, Attic; U-0.024	Windows (largest)	U-Value: 0.3, SHGC: 0.27
Vaulted Ceiling	None	Window / Wall Ratio	0.05
Above Grade Walls	R15 FG G1 16"OC; U-0.077	Window / Floor Ratio	0.07
Found. Walls	None	Infiltration	0.3 CFM50 / s.f. Shell Area
Framed Floors	None	Duct Lkg to Outside	Untested Forced Air
Slabs	None	Total Duct Leakage	45 CFM @ 25Pa (Post-Construction)

## Mechanical Systems

Heating	Air Source Heat Pump • Electric • 9 HSPF
Cooling	Air Source Heat Pump • Electric • 16 SEER
Water Heating	Residential Water Heater • Electric • 0.95 Energy Factor
Programmable Thermostat	Yes
Ventilation System	80 CFM (unmeasured) • 42.81 Watts (Default) • Exhaust Only
Whole House Fan	N/A

## Lights and Appliances

Percent Interior LED	100%	Clothes Dryer Fuel	Electric
Percent Exterior LED	100%	Clothes Dryer CEF	3.0
Refrigerator (kWh/yr)	500.0	Clothes Washer LER (kWh/yr)	400.0
Dishwasher Efficiency	270 kWh	Clothes Washer Capacity	3.0
Ceiling Fan (CFM/Watt)	80.0	Range/Oven Fuel	Electric