

Home Energy Rating Certificate

Property
Sterling Homes and Land
2388 Viridian Pl
Grand Rapids, MI 49505

HERS
Rating Type: Confirmed
Rating Date: 11/12/20
Registry ID: 562298051

Certified Energy Rater: John R Kuiper
Rating Number:

HERS Index: 58

General Information

Conditioned Area	2309 sq. ft.	House Type	Apartment, end unit
Conditioned Volume	21294 cubic ft.	Foundation	Conditioned basement
Bedrooms	2		

Mechanical Systems Features

Water Heating:	Conventional, Natural gas, 0.67 EF, 40.0 Gal.
Heating:	Fuel-fired air distribution, Natural gas, 96.0 AFUE.
Cooling:	Air conditioner, Electric, 13.0 SEER.
Duct Leakage to Outside	19.02 CFM25
Ventilation System	Exhaust Only: 69 cfm, 7.4 watts.
Programmable Thermostat	Heat=Yes; Cool=Yes

Building Shell Features

Ceiling Flat	NA	Slab	R-0.0 Edge, R-0.0 Under
Sealed Attic	NA	Exposed Floor	NA
Vaulted Ceiling	NA	Window Type	U-Value: 0.290, SHGC: 0.310
Above Grade Walls	R-13.0	Infiltration Rate	Htg: 1.61 Clg: 1.61 ACH50
Foundation Walls	R-10.0	Method	Blower door

Lights and Appliance Features

Interior Fluor Lighting (%)	0.0	Range/Oven Fuel	Natural gas
Interior LED Lighting (%)	100.0	Clothes Dryer Fuel	Natural gas
Refrigerator (kWh/yr)	609	Clothes Dryer CEF	2.32
Dishwasher (kWh/yr)	270	Ceiling Fan (cfm/Watt)	0.00

Estimated Annual Energy Cost

Use	MMBtu	Cost	Percent
Heating	44.1	\$359	26%
Cooling	1.4	\$63	5%
Hot Water	11.2	\$85	6%
Lights/Appliances	20.3	\$675	48%
Photovoltaics	-0.0	\$-0	-0%
Service Charges		\$210	15%
Total	77.1	\$1392	100%

Criteria

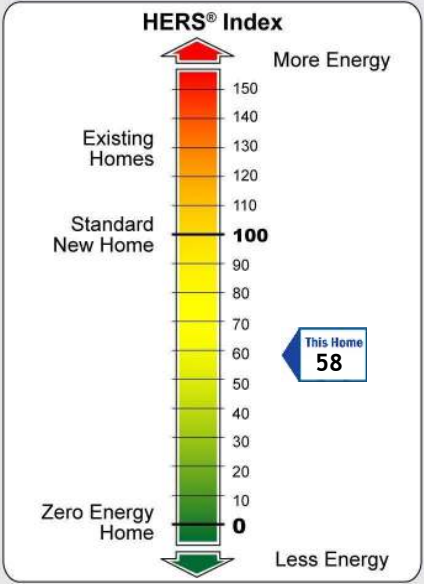
This home meets or exceeds the minimum criteria for the following:

The Home Energy Assessor
John R Kuiper
3015 Rosebury Ave SE
Grand Rapids, MI 49508
616-443-6697

REM/Rate - Residential Energy Analysis and Rating Software v16.0.3

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The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

RESNET HERS Index Certificate



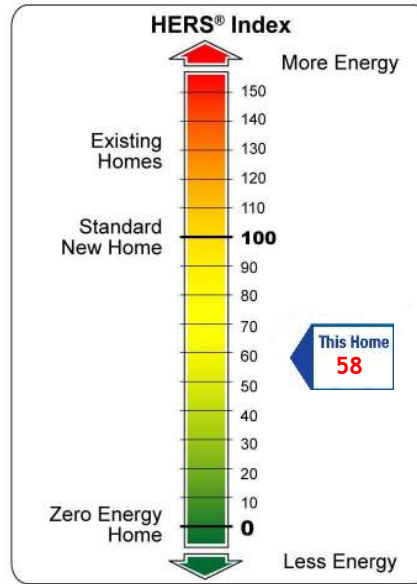
2388 Viridian Pl
Grand Rapids, MI 49505
Rater: John R Kuiper
Registry ID: 562298051
Annual Estimates*:
Elec(kWh): 4895 Gas(CCF): 622
CO2 emissions(Tons): 7
Energy Savings (\$) **: 1609
*Based on standard operating conditions
**Based on U.S. DOE designation of a HERS Index of 130 as the 'Typical Existing Home'

The Home Energy Assessor
John R Kuiper
3015 Rosebury Ave SE
Grand Rapids, MI 49508
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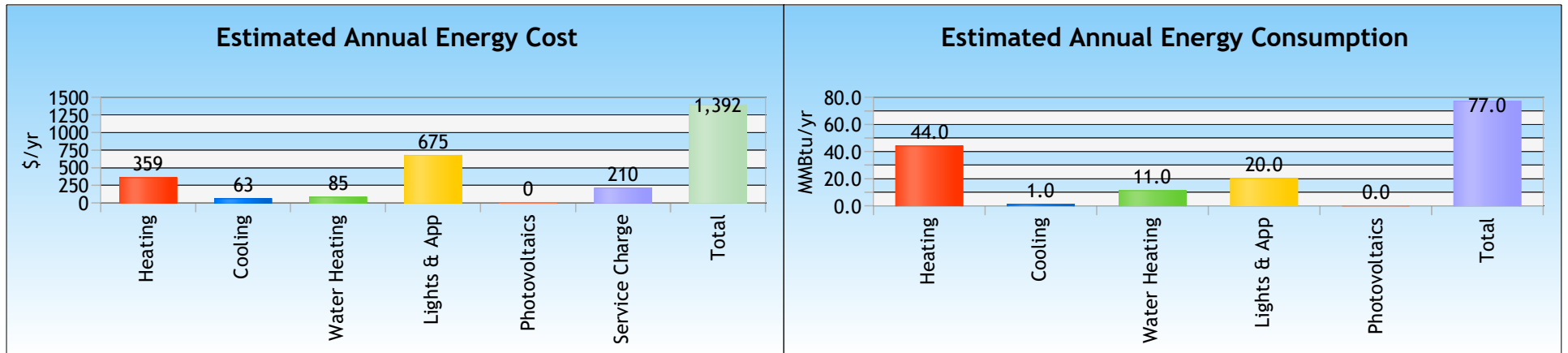
This home has been inspected and performance tested in accordance with Chapter 3 of the RESNET standards.



HERS PERFORMANCE



ENERGY RATING CERTIFICATE



Address 2388 Viridian Pl
Grand Rapids, MI 49505

House Type Apartment, end unit

Cond. Area 2309 sq. ft.

Rating No.

Issue Date November 17, 2020

Certification Inspected and Tested

Annual Estimates*

Electric(kWh): 4895

Natural gas(CCF): 622

CO2 emissions(Tons): 7

Annual Savings**: \$1609

* Based on standard operating conditions

** Based on a HERS 130 Index Home

The Home Energy Assessor
John R Kuiper
3015 Rosebury Ave SE

Certified Rater John R Kuiper

Rater ID 6388891

Registry ID 562298051

Rating Date 11/12/20

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