

Home Energy Rating Certificate

Property

815 N 2nd St
Bellaire, TX 77401

HERS

Rating Type: Confirmed
Rating Date: 11/30/2015
Registry ID: 833959005

Certified Energy Rater: Frank Wagner
Rating Number: License # 00132720

HERS Index: 52

General Information

| | | | |
|--------------------|-----------------|------------|------------------------|
| Conditioned Area | 4455 sq. ft. | House Type | Single-family detached |
| Conditioned Volume | 42322 cubic ft. | Foundation | Slab |
| Bedrooms | 4 | | |

Mechanical Systems Features

| | |
|-------------------------|--|
| Heating: | Fuel-fired air distribution, Natural gas, 95.0 AFUE. |
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| Cooling: | Air conditioner, Electric, 16.0 SEER. |
| Duct Leakage to Outside | 161.00 CFM25. |
| Ventilation System | Air Cyclor: 180 cfm, 142.0 watts. |
| Programmable Thermostat | Heat=Yes; Cool=Yes |

Building Shell Features

| | | | |
|-------------------|-------------|-------------------|-----------------------------|
| Ceiling Flat | NA | Slab | R-0.0 Edge, R-0.0 Under |
| Sealed Attic | R-21.0 w/RB | Exposed Floor | R-19.0 |
| Vaulted Ceiling | NA | Window Type | U-Value: 0.300, SHGC: 0.250 |
| Above Grade Walls | R-15.0 | Infiltration Rate | Htg: 3050 Clg: 3050 CFM50 |
| Foundation Walls | NA | Method | Blower door test |

Lights and Appliance Features

| | | | |
|---------------------------|--------|------------------------|-------------|
| Percent Interior Lighting | 75.00 | Range/Oven Fuel | Natural gas |
| Percent Garage Lighting | 100.00 | Clothes Dryer Fuel | Natural gas |
| Refrigerator (kWh/yr) | 560 | Clothes Dryer EF | 2.67 |
| Dishwasher (kWh/yr) | 272 | Ceiling Fan (cfm/Watt) | 110.00 |

Estimated Annual Energy Cost

| Use | MMBtu | Cost | Percent |
|-------------------|-------------|---------------|-------------|
| Heating | 16.7 | \$485 | 17% |
| Cooling | 31.8 | \$516 | 18% |
| Hot Water | 3.9 | \$196 | 7% |
| Lights/Appliances | 36.9 | \$1454 | 52% |
| Photovoltaics | -0.0 | \$-0 | -0% |
| Service Charges | | \$158 | 6% |
| Total | 89.4 | \$2809 | 100% |

Criteria

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

TITLE

Company

Address

City, State, Zip

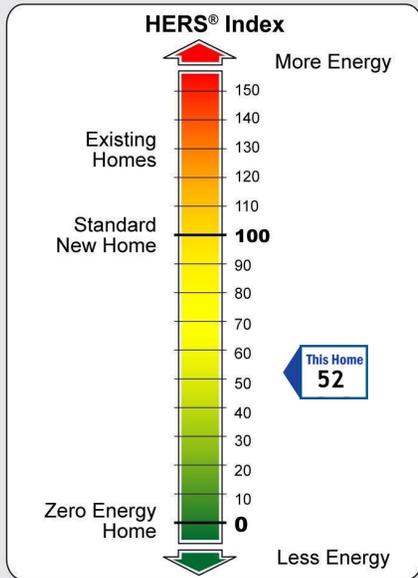
Phone #

Fax #

REM/Rate - Residential Energy Analysis and Rating Software v14.6.4

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

RESNET HERS Index Certificate



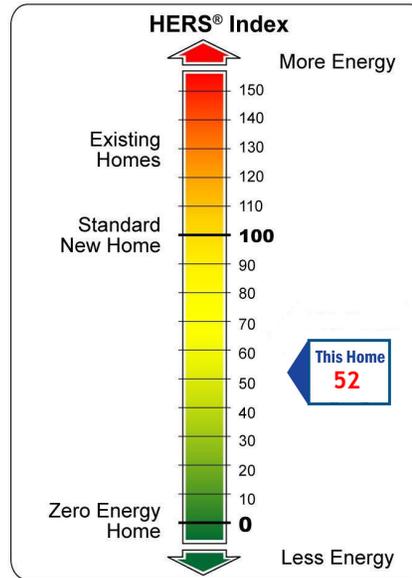
815 N 2nd St
Bellaire, TX 77401
Rater: Frank Wagner
Registry ID: 833959005
Annual Estimates*:
Elec(kWh): 12195 Gas(CCF): 495
CO2 emissions(Tons): 11
Energy Savings (\$) **: 3134
*Based on standard operating conditions
**Based on U.S. DOE designation of a HERS
Index of 130 as the 'Typical Existing Home'

TITLE
Company
Address
City, State, Zip
Phone #

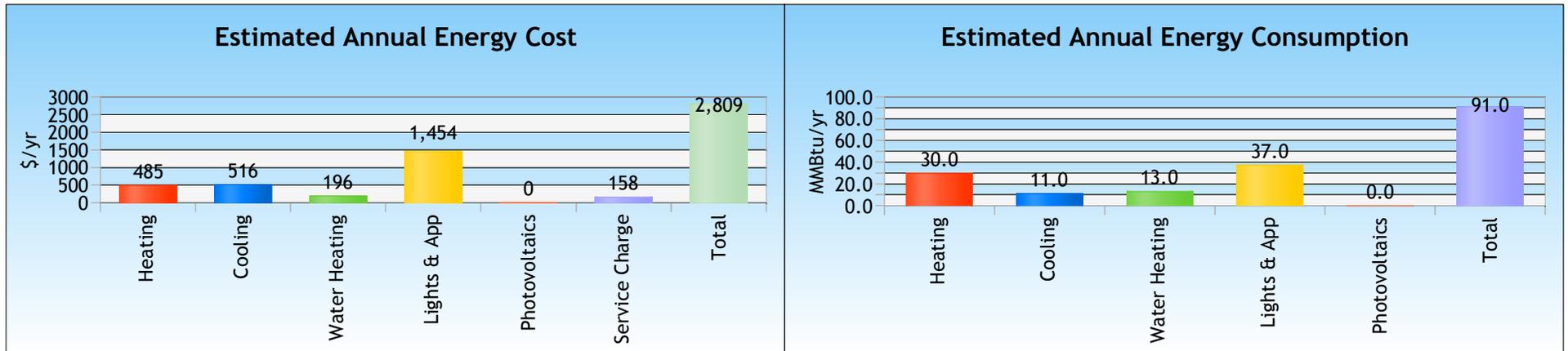
This home has been inspected
and performance tested in
accordance with Chapter 3 of
the RESNET standards.

RESNET[®]
www.resnet.us

HERS PERFORMANCE



ENERGY RATING CERTIFICATE



Address 815 N 2nd St
Bellaire, TX 77401

House Type Single-family detached

Cond. Area 4455 sq. ft.

Rating No. License # 00132720

Issue Date October 19, 2016

Certification Verified

Annual Estimates*

Electric(kWh): 12195

Natural gas(CCF): 495

CO2 emissions(Tons): 11

Annual Savings**: \$3134

* Based on standard operating conditions

** Based on a HERS 130 Index Home

TITLE

Company

Address

Certified Rater Frank Wagner

Rater ID 7356719

Registry ID 833959005

Rating Date 11/30/2015

REM/Rate - Residential Energy Analysis and Rating Software v14.6.4

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