

Home Energy Rating Certificate

Final Report

Rating Date: Sunday October 09, 2021
 Registry ID: 709925276
 Ekotrope ID: ILXeXW7d



HERS® Index Score:

53

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

Annual Savings

\$1,098

*Relative to an average U.S. home

Home:

6628 Vista Hermosa
 Las Cruces, NM 88007

Builder:

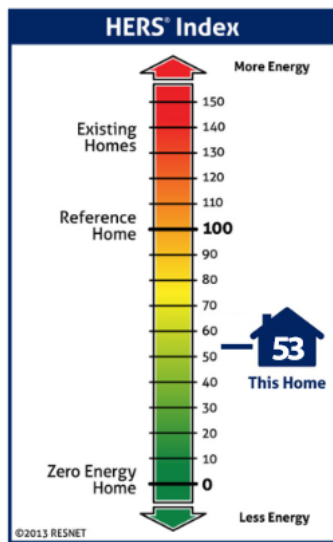
The Fort Construction

Your Home's Estimated Energy Use:

	Use [MBtu]	Annual Cost
Heating	28.3	\$189
Cooling	6.3	\$149
Hot Water	6.9	\$45
Lights/Appliances	19.4	\$412
Service Charges		\$252
Generation (e.g. Solar)	0.0	\$0
Total:	61.0	\$1,047

This home meets or exceeds the criteria of the following:

2009 International Energy Conservation Code



Home Feature Summary:

Home Type: Single family detached
 Model: Springer Residence
 Community: Picacho Hills
 Conditioned Floor Area: 2,195 ft²
 Number of Bedrooms: 3
 Primary Heating System: Furnace • Natural Gas • 95 AFUE
 Primary Cooling System: Air Conditioner • Electric • 16 SEER
 Primary Water Heating: Residential Water Heater • Natural Gas • 0.95 Energy Factor
 House Tightness: 1042 CFM50 (2.08 ACH50)
 Ventilation: None
 Duct Leakage to Outside: 82 CFM @ 25Pa (3.74 / 100 ft²)
 Above Grade Walls: R-17
 Ceiling: Vaulted Roof, R-22
 Window Type: U-Value: 0.33, SHGC: 0.37
 Foundation Walls: N/A

Rating Completed by:

Energy Rater: Miles Dyson
 RESNET ID: 9203534

Rating Company: Inspection Connection

Rating Provider: Walker Energy Services
 5620 Moon St NE
 505-385-8838

Miles Dyson, Certified Energy Rater
 Digitally signed: 10/12/21 at 2:12 PM



IECC 2009 Performance Compliance

**Property**

6628 Vista Hermosa
Las Cruces, NM 88007
Model: Springer Residence
Community: Picacho Hills

Organization

Inspection Connection
Miles Dyson
575-202-2457

Inspection Status

Sunday October 09, 2021
Rater ID (RTIN): 9203534
RESNET Registered
(Confirmed)

104-1036 Vista Hermosa 6628
6628 Vista Hermosa

Builder

The Fort Construction

Annual Energy Cost

Design	IECC 2009 Performance	As Designed
Heating	\$593	\$533
Cooling	\$324	\$287
Water Heating	\$148	\$148
SubTotal - Used to determine compliance	\$1,066	\$969
Lights & Appliances	\$580	\$580
Onsite generation	\$0	\$0
Total	\$1,646	\$1,549

Requirements

✓	405.3	Performance-based compliance passes by 9.1%
✓	R402.4.1.2	Air Leakage Testing Air sealing is 2.08 ACH at 50 Pa. It must not exceed 7.00 ACH at 50 Pa.
✓	402.5	Area-weighted average fenestration SHGC
✓	402.5	Area-weighted average fenestration U-Factor
✓	403.2.2	Duct Testing
✓	Mandatory Checklist	Mandatory code requirements that are not checked by Ekotrope must be met.
✓	R405.2	Duct Insulation

Design exceeds requirements for IECC 2009 Performance compliance by 9.1%.

As a 3rd party extension of the code jurisdiction utilizing these reports, I certify that this energy code compliance document has been created in accordance with the requirements of Chapter 4 of the adopted International Energy Conservation Code based on DONA ANA County. If rating is Projected, I certify that the building design described herein is consistent with the building plans, specifications, and other calculations submitted with the permit application. If rating is Confirmed, I certify that the address referenced above has been inspected/tested and that the mandatory provisions of the IECC have been installed to meet or exceed the intent of the IECC or will be verified as such by another party.

Name: Miles Dyson

Signature: 

Organization: Inspection Connection

Digitally signed: 10/12/21 at 2:12 PM

Ekotrope RATER - Version 3.2.2.2760

IECC 2009 Performance compliance results calculated using Ekotrope RATER's energy and code compliance algorithm. Ekotrope RATER is a RESNET Accredited HERS Rating Tool. All results are based on data entered by Ekotrope users. Ekotrope disclaims all liability for the information shown on this report.

IECC 2009 Fuel Summary Comparison



Property

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Annual Energy Cost [\$ /yr]	2009 IECC	Rated Home	Savings	% Saved
Natural Gas	\$674	\$658	\$16	2.4%
Electric	\$972	\$891	\$81	8.3%

Annual End-Use Cost [\$ /yr]	2009 IECC	Rated Home	Savings	% Saved
Heating	\$593	\$533	\$60	10.1%
Cooling	\$324	\$287	\$37	11.4%
Water Heating	\$148	\$148	\$0	0%
Lights & Appliances	\$580	\$580	\$0	0%
Onsite Generation	-\$0	-\$0	\$0	0%
Service Charges	\$0	\$0	\$0	0%
Total	\$1,646	\$1,549	\$97	5.9%

Annual End-Use Consumption	2009 IECC	Rated Home	Savings	% Saved
Heating [Natural Gas Therms]	508.2	492.4	15.9	3.1%
Heating [Electric kWh]	660.2	232.4	427.7	64.8%
Cooling [Electric kWh]	3,183.3	2,818.0	365.3	11.5%
Hot Water [Natural Gas Therms]	143.3	143.3	-0.0	-0%
Lights & Appliances [Electric kWh]	5,692.2	5,692.2	0.0	0%
Total [Natural Gas Therms]	651.5	635.6	15.8	2.4%
Total [Electric kWh]	9,535.7	8,742.7	793.0	8.3%
Total Onsite Generation kWh	0.0	0.0	0.0	0%

Peak Electric Consumption	2009 IECC	Rated Home	Savings	% Saved
Peak Winter kW	0.92	0.67	0.24	26.6%
Peak Summer kW	2.59	2.41	0.18	6.9%

Utility Rates

Electricity	EPE NM 7-2016to 2020**0
Natural Gas	Zia Gas Dona Ana Co. 2021