

Texas Building Energy Code Form For Reporting Home Energy Ratings (HERs Standardized Report)

Effective Date: 9/01/2002

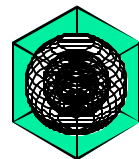
Texas law, Ch. 388, Subtitle C, Title 5, Health and Safety Code, requires a new residential structure to comply with the Texas Building Energy Efficiency Standards, which use the 2000 International Residential Code “2000 IRC” and the 2000 International Energy Conservation Code “2000 IECC” as it existed on May 1st, 2001 (i.e., this includes the 2001 Supplement).

This standardized form can be used by Home Energy Ratings providers (HERs providers) to report the results of their energy efficiency rating for each residence rated, or results can be reported using the approved output files from accredited HERs software. This form is designed to allow HERs providers to give potential home buyers information on a structure’s energy performance, including: insulation, types of windows, heating and cooling equipment, water heating equipment, building performance measurements (i.e., building tightness and duct leakage), and an overall rating of probable energy efficiency relative to the 2000 IRC Chapter #11, including the 2001 Supplement.

HERs providers who are using a RESNET accredited HERs software, can submit their results electronically using one of the approved files listed in the following table. Accredited HERs software vendors who are not listed in the table below will need to contact the Laboratory so their software reporting file can be listed.

Software	Vendor	City/State	Web Address	Phone Number	Version Number	File Type/Name
REMRate	Architectural Energy Corp.	Boulder, CO	www.archenergy.com	303-444-4149	10.3	*.mdb MS Access export file
EnergyGuage USA	Florida Solar Energy Center	Cocoa, FL	www.energyguage.com	321-638-1492	Latest version	Export file

Energy Systems Laboratory
 Texas A&M University, College Station, Texas 77843
 or go to the Internet <http://eslsb5.tamu.edu>
 Telephone: Toll Free 877-AnM-CODE (877)266-2633, Fax: 979-862-8687
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Texas Building Energy Code Form For Reporting Home Energy Ratings (HERs Standardized Report: A.1 Single Family Residential)

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New Construction Address or Legal Description _____

City _____ Zip _____ County _____

Date of HERs Rating _____

HERs Provider Name _____

HERs Provider Address _____

HERs Provider Phone _____

City _____ Zip _____ County _____

HERs Rating Score _____ (0 – 100)

Percent of 2000 IRC Chpt #11 _____ (i.e., 100% = 0% difference, 90% = 10% more efficient, etc.)

1. General Information

1.1 Square footage:		ft ²
1.2 Building type:		1) unvented crawlspace, 2) vented crawlspace, 3) slab-on-grade.
1.3 Front of house faces		(N,E,S,W)
1.4 Depth of house (front to back)		Feet
1.5 Width of house (left to right)		Feet
1.6 Number of stories (3 max)		1, 2, or 3
1.7 Attached unconditioned garage		N,E,S,W, none
1.8 Other attached unconditioned space		N,E,S,W, none
1.9 Building tightness		1) ACH from blower door test at 50 Pa, or use 2) tight, 3) medium, 4) loose.

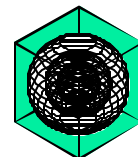
2. Walls

	Roof Overhang (0 – 10 ft)	Total R-value	Wall Type ¹	Height (ft)
2.1 Front wall				
2.2 Right wall				
2.3 Back wall				
2.4 Left wall				

3. Windows/Doors

	Area (ft ²)	Total U-value (0–1.2)	SHGC (0.37 – 0.9)
3.1 Front window			
3.2 Right window			
3.3 Back window			
3.4 Left window			
	Area (ft ²)	Total U-factor (0.35max)	SHGC(0.37–0.9) If glazed.
3.1 Front door			
3.2 Right door			
3.3 Back door			
3.4 Left door			

¹ Wall types include: 1) light weight (i.e., frame walls), 2) medium weight (i.e., veneer brick), 3) heavy weight (i.e., 8"+ masonry wall or concrete).



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4. Floor

	Value	
4.1 Floor type ²		1) unvented crawlspace, 2) vented crawlspace, 3) slab-on-grade.
4.2 If slab, perimeter insulation		R-value
4.3 If crawlspace, floor insulation		R-value
4.2 If crawlspace, exterior wall insulation		R-value

5. Attic/Roof

	Value	
5.1 Attic/Roof type		1) ventilated attic, 2) cathedral ceiling.
5.2 Solar Absorption		0 – 1.0
5.3 Attic/roof insulation		Total R-value

6. Mechanical Systems

	Value	Efficiency	
6.1 Heating system type: 1) gas-fired furnace, 2) heat pump, 3) electric resistance heating, 4) none.			HSPF or AFUE As appropriate
6.2 Cooling system type: 1) air-cond./heat pump, 2) evaporative, 3) none.			SEER if appropriate.
6.3 DHW heater type: 1) gas, 2) electric resistance, 3) heat pump.			NAECA efficiency
6.4 Duct tightness: 1) CFM @ 50 Pa, 2) unknown.			

Return duct:

6.4.1 Location		1) attic, 2) crawlspace, 3) conditioned space
6.4.2 Insulation		R-value
6.4.3 Length		Ft

Supply duct:

6.4.4 Location		1) attic, 2) crawlspace, 3) conditioned space
6.4.5 Insulation		R-value
6.4.6 Length		Ft
6.5 Duct tightness:		1) CFM @ 25 Pa, or 2) unknown

² Floor types same as building type.

