



# Easy Rating for Michigan Homes

You can get an idea how energy efficient a house is by selecting the appropriate points below. Compare your total points to the scale on the bottom of the page. This is not a home energy rating and does not qualify a home for an energy efficient mortgage.  
 Energy Office/MDCIS 8/23/00

Energy Measures	Existing or Proposed	Points
Ceiling Insulation	None 7.6 R-11 18.0 R-19 18.8 R-30 19.2 R-38 19.4 R-45 19.6 R-60 19.9	
Above Grade Wall Insulation	None 4.7 R-11 8.3 R-13 8.8 R-15 9.2 R-19 9.7 R-24 10.3	
Rim/Band Joist Insulation	None .8 R-11 1.4 R-13 1.5 R-19 1.6	
Basement/Foundation Wall Insulation <u>or</u> Floor Insulation (crawl space)	None 3.8 R-5 5.7 R-10 6.7 R-19 7.2 None 3.0 R-11 5.1 R-15 5.7 R-19 6.1	
Concrete Floor Insulation <u>or</u> Slab-on-Grade Insulation	None .8 Under Floor R-5 1.1 R-10 2.2 None .8 Perimeter R-5 3.2 R-10 4.1	
Windows	Single -3.3 Double - 5.2 Low-E - 6.6	
Infiltration/Air Leakage	Average 0 (.67ACH) Good 1.0 (.50ACH) Very Good 2.2 (.35ACH)	
Furnace Efficiency (AFUE) Natural Gas & Oil	50 or Less 10.0 55 22.2 60 27.2 70 32.2 80 34.7 90 37.2 95 38.0	
Clock Thermostat	No - 0 Yes - 1.0	
Ground Water/Geothermal Heat Pump (COP)	1.0 or Less 10.0 2.0 30.9 2.5 35.4 3.0 37.5 3.5 38.2	
Water Heater	Less Efficient 0 Efficient: Gas (.56EF) 1.5 Electric (.93EF) GW Heat Pump (1.3 COP)	
Total Points		

Least Efficient	HomeEnergyRating Scale			Most Efficient
0-39	40-59	60-79	80-85	86-100

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As you can see from this worksheet the final score is determined by the accumulated values of the building components used. The new code requires a score of 83 points which equates to a 4 1/2 Star Rating. Raising the score 3 more to 86 points will give a 5 Star Rating and qualifies the home to be accredited as an ENERGY STAR® Home.

To learn more about The ENERGY STAR® Homes Program visit [www.energystar.gov](http://www.energystar.gov)