

## Energy Rating Qualifications

### Energy Star – Canada

#### Qualifying

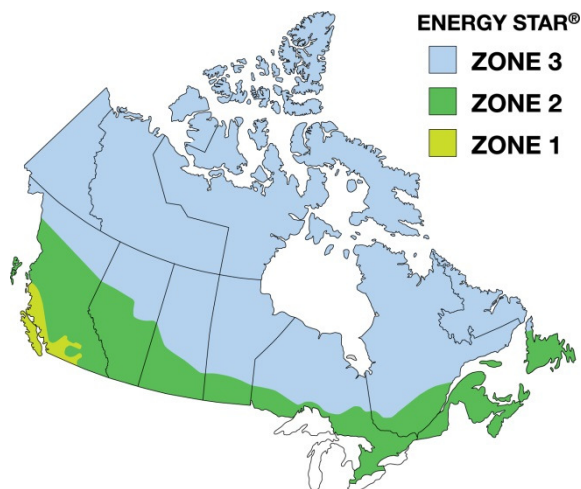
To be ENERGY STAR qualified, products must meet specific energy efficiency levels that have been set for three climate zones in Canada. In addition, all products must be certified for their energy efficiency by an accredited agency.

Because the climate becomes progressively colder from Zone 1 to Zone 3, the levels are more stringent for each successive zone. This means that models that qualify for Zone 3 also qualify for Zones 1 and 2.

#### Standards

Products are rated on either their U-factor **or** their Energy Rating (ER). The U-factor is a measure of the rate of heat loss. The lower the number, the slower the heat loss. The ER is a formula that includes the U-factor, air leakage and the benefit of potential solar gain. The higher the value, the higher the potential annual energy savings. Products must also have an air leakage rate of  $\leq 1.5$  litres per second per square metre of product area.

#### Climate Zones



#### Standards

Windows and doors (effective February 1, 2015)				
Zone	Heating degree-day range	Minimum Energy Rating (unitless)	or	Maximum U-factor W/m <sup>2</sup> ·K (Btu/h·sq. ft.·°F)
1	<3 500	25	or	1.60 (0.28)
2	3 500 to <6 000	29	or	1.40 (0.25)
3	≥6 000	34	or	1.20 (0.21)