SNC 1DI Date: _____

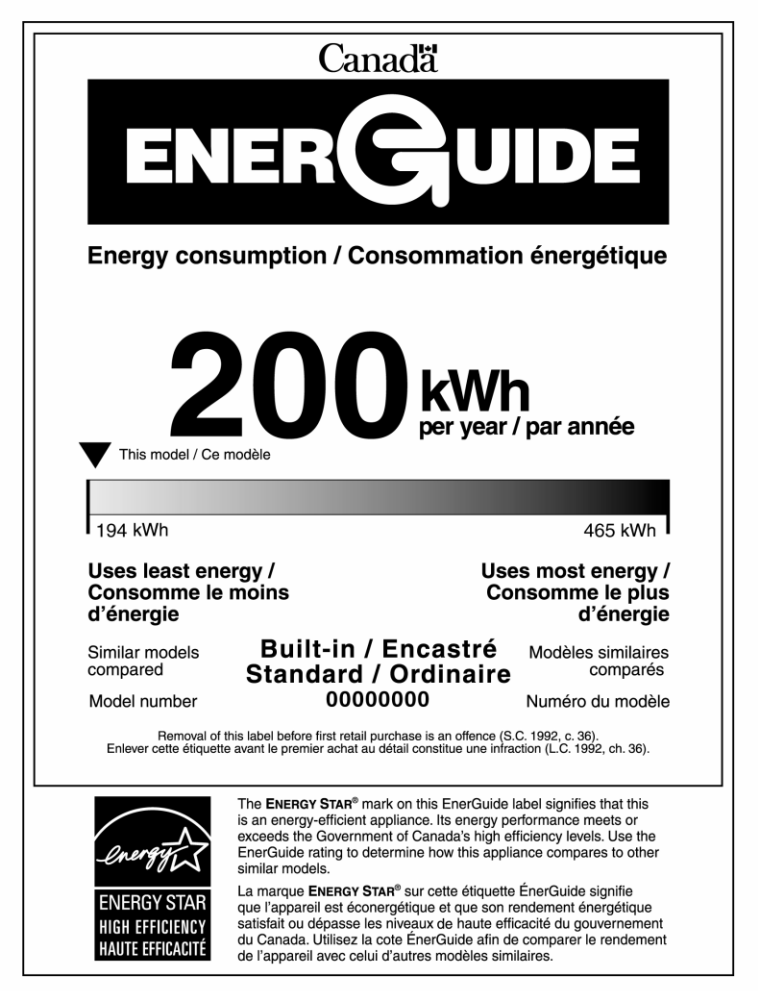
Comparing Efficiencies of Electrical Devices

Energuide and Energy Star Labels

When buying an electrical device it is important to consider three things:

1. _____
2. _____
3. _____

- EnerGuide labels provides consumers an estimate of how much electrical energy (measured in kWh) the appliance will use in one year.
- The Energy Star® symbol is used to identify products that meet a minimum level of efficiency.



Cost and Energy Comparison:

60 W Incandescent Light Bulb vs. 7 W LED Bulb (60 W Equivalent)

How many days of use will it take to recoup your cost of the more expensive LED bulb if you use the 7W LED bulb at 8 hours per day versus a 60 W incandescent bulb at 8 hours per day?

Device	Power (kW)	Time (h)	Energy Rating (kW·h)	Cost of Electricity/hour ($)	Cost to run device/day ($)	Cost of bulb ($)
Incandescent bulb						
LED bulb						

Difference between cost of bulbs =

Difference between cost of electricity per day =

Time to get bulb cost back

Difference between cost of bulbs = difference between cost per day x time (days)