



ECONO-HEAT™

THE WARMTH OF A HOME

COMPARISON OF ELECTRICITY USAGE AND COST

(Based on information obtained from the USA Department of Energy website: August 2010)

	Electrical rating in Watt (1000W = 1kW)	Monthly cost (@11.03 cents/kWh)	Hourly cost (@11.03 cents/kWh)
Heater (2 Bars)	1300	\$103.24	13 cents
Heater (3 Bars)	2000	\$158.83	20 cents
Heater Fan	2000	\$158.83	20 cents
Heater Oil (Rib Heaters)	2000	\$158.83	20 cents
Econo-Heat Wall Panel Heater	400	\$31.77	4 cents
Lighting: Single Incandescent Bulb (100W)	100	\$7.94	1 cent
Lighting: Single Incandescent Bulb (60W)	60	\$4.76	0.6 cent

CALCULATING ELECTRICITY USAGE

To calculate the monthly cost of an electrical appliance, use the following formula:

Electrical rating in kW x Hours per day x Days per month x Cost per kWh

The following calculation is based on the electricity usage of a 400 Watt Econo-Heat wall panel heater:

- 1 The electrical rating is **400 Watt**. To convert to kilowatt (kW) divide the rating in Watt by 1000.

$$400 \text{ divided by } 1000 = 0.40 \text{ kW}$$

- 2 Electricity usage (kWh) is obtained by multiplying the rating of the appliance (in kilowatt) by the number of hours it is used in a month.

$$0.40 \text{ kW} \times 24 \text{ hours} \times 30 \text{ days} = 288 \text{ kWh (for a full month)}$$

- 3 Finally, the monthly cost to run an appliance is obtained by multiplying the electricity usage (kWh) by the cost of one unit of electricity (11.03 cents – average USA electricity cost as listed on the USA Department of Energy website).

$$288 \text{ kWh} \times 11.03\text{c} = \$31.77 \text{ (in this example, for a full month)} = 4 \text{ cents per hour}$$

www.econo-heat.com

Energy efficient Economical Effective Eco-friendly