

## Estimating Electric Kiln Firing Costs

**Amps, volts are located on the nameplate of the kiln  
(usually on the first electrical box)**

**1 = Amps**

**2 = Volts (if 220 or 240 volts, use 230)**

**3 = Firing time in hours time x .6  
(since kiln is only on full power at end of firing)**

**4 = Cost per kilowatt from your electric bill**

$$\frac{1 \times 2}{1,000} \times 3 \times 4 = \text{Firing Cost}$$

A longer firing will increase the energy cost, it will not be large increase because the kiln will not be on full power any longer and the .6 factor in "3" of the formula would be lower.

The formula assumes a normal, even increase 8 hour firing. Greater accuracy can be achieved by following the same procedure for multiple smaller timing segments. A three hour drying on the lowest setting might use a factor of .1 in calculating "3" and then .6 or .7 for the remaining time.