# Kill a Watt

Construction and Energy Summit

# Kill A Watt Meter

# 1875 Watt Hair Dryer

# Voltage, no load

# Volt Drop

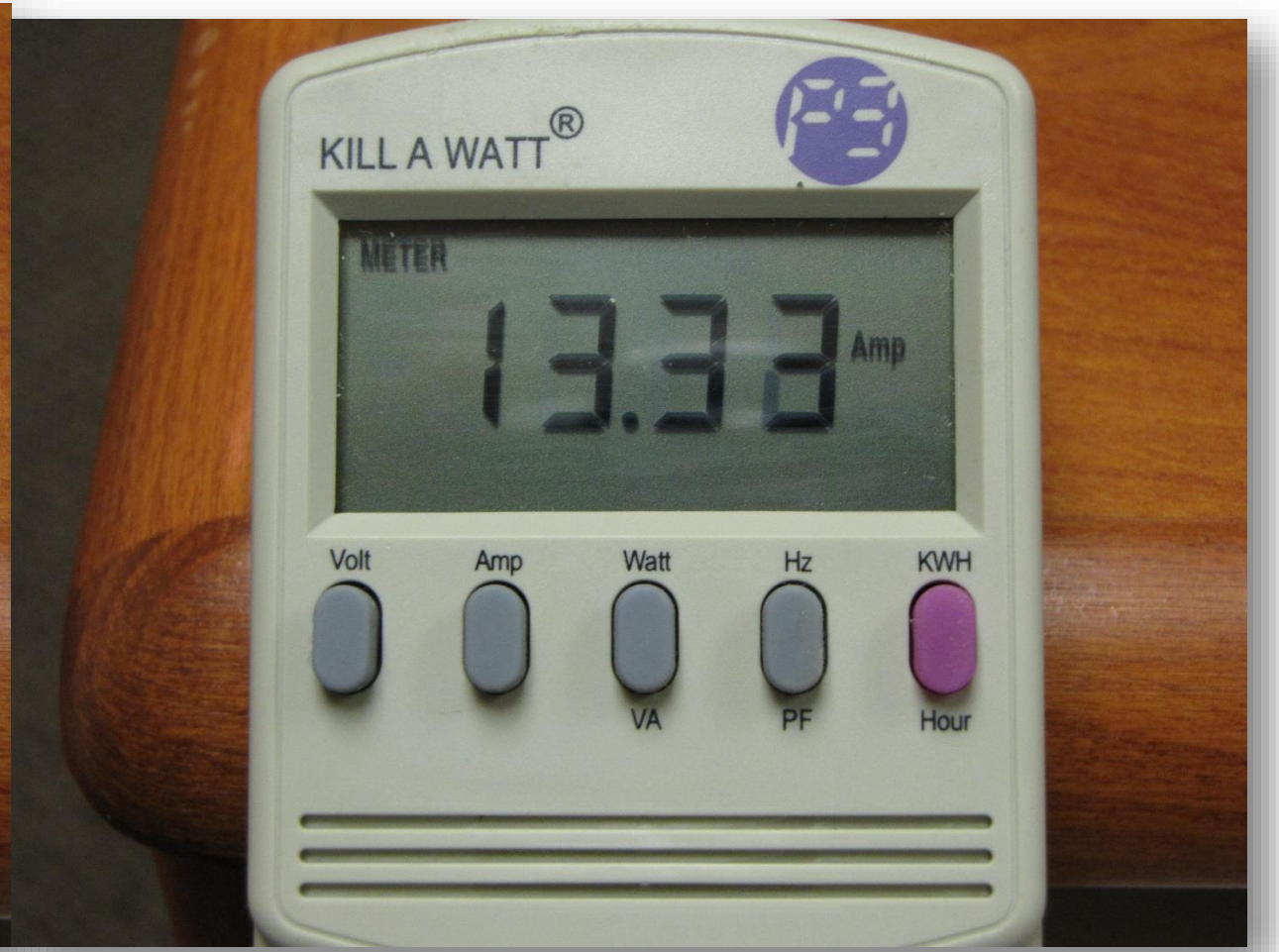
Voltage no load,


Unit Turned On

# Amp

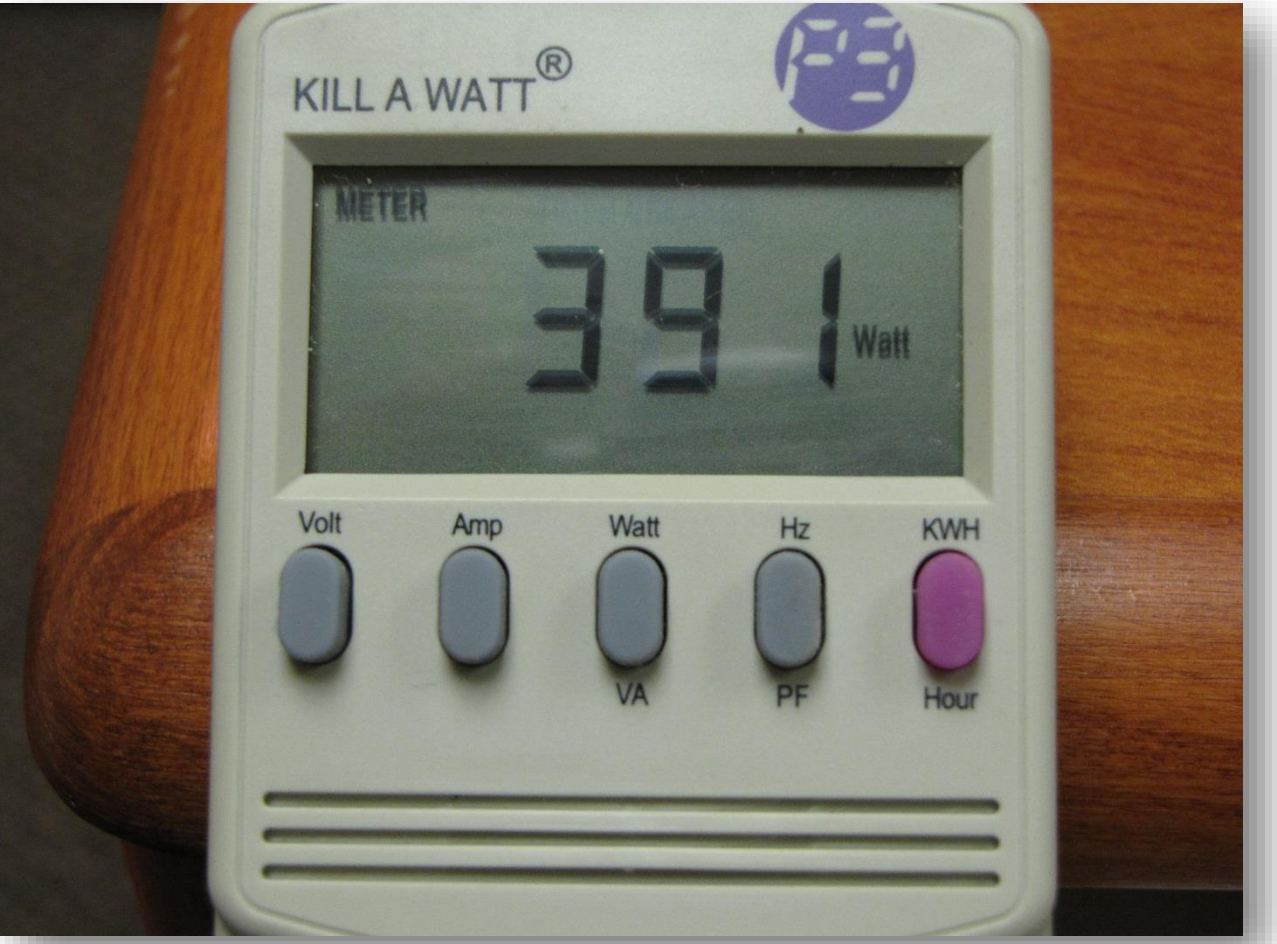
## Amps on Slow Speed


## Amps on High Speed

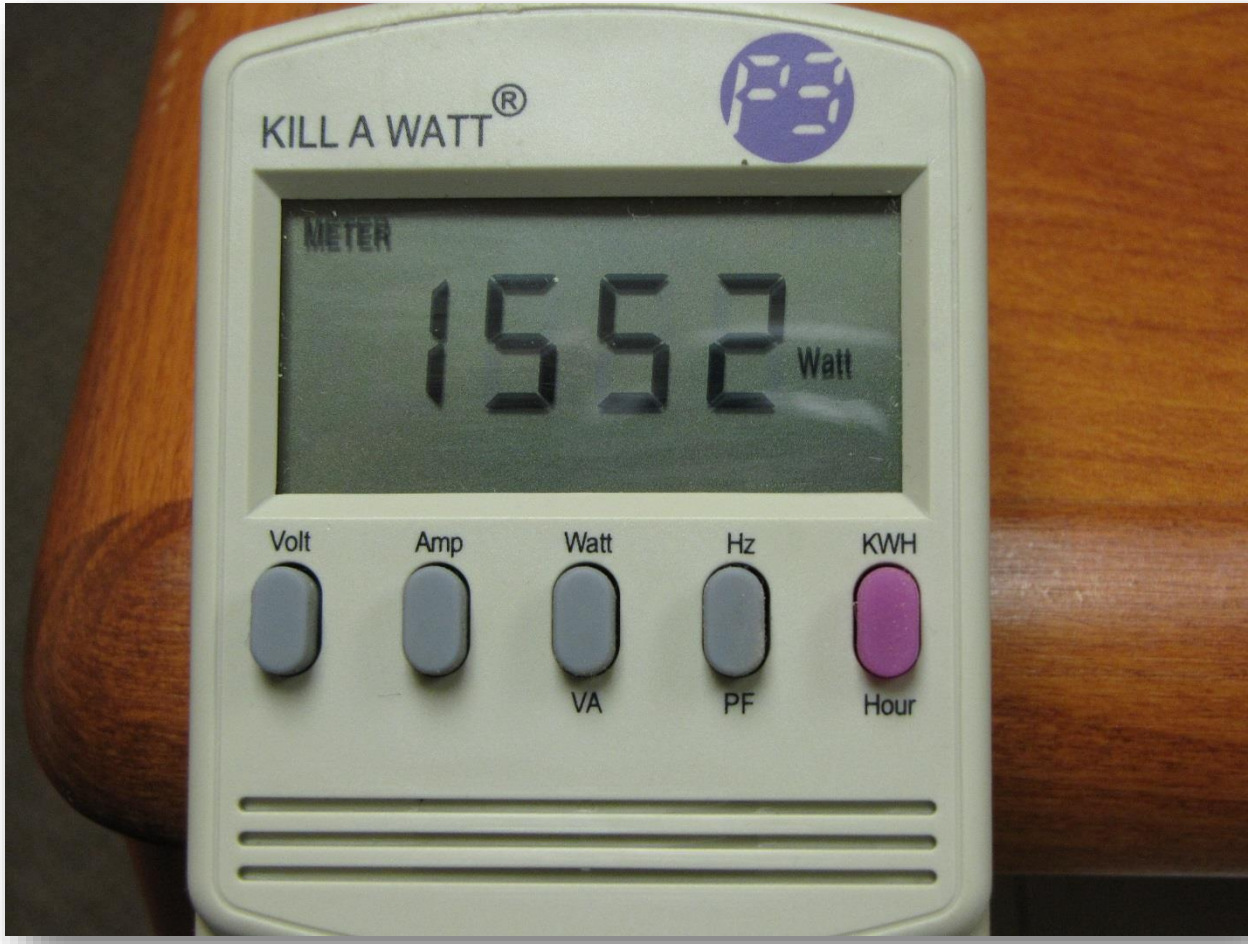


# Watt

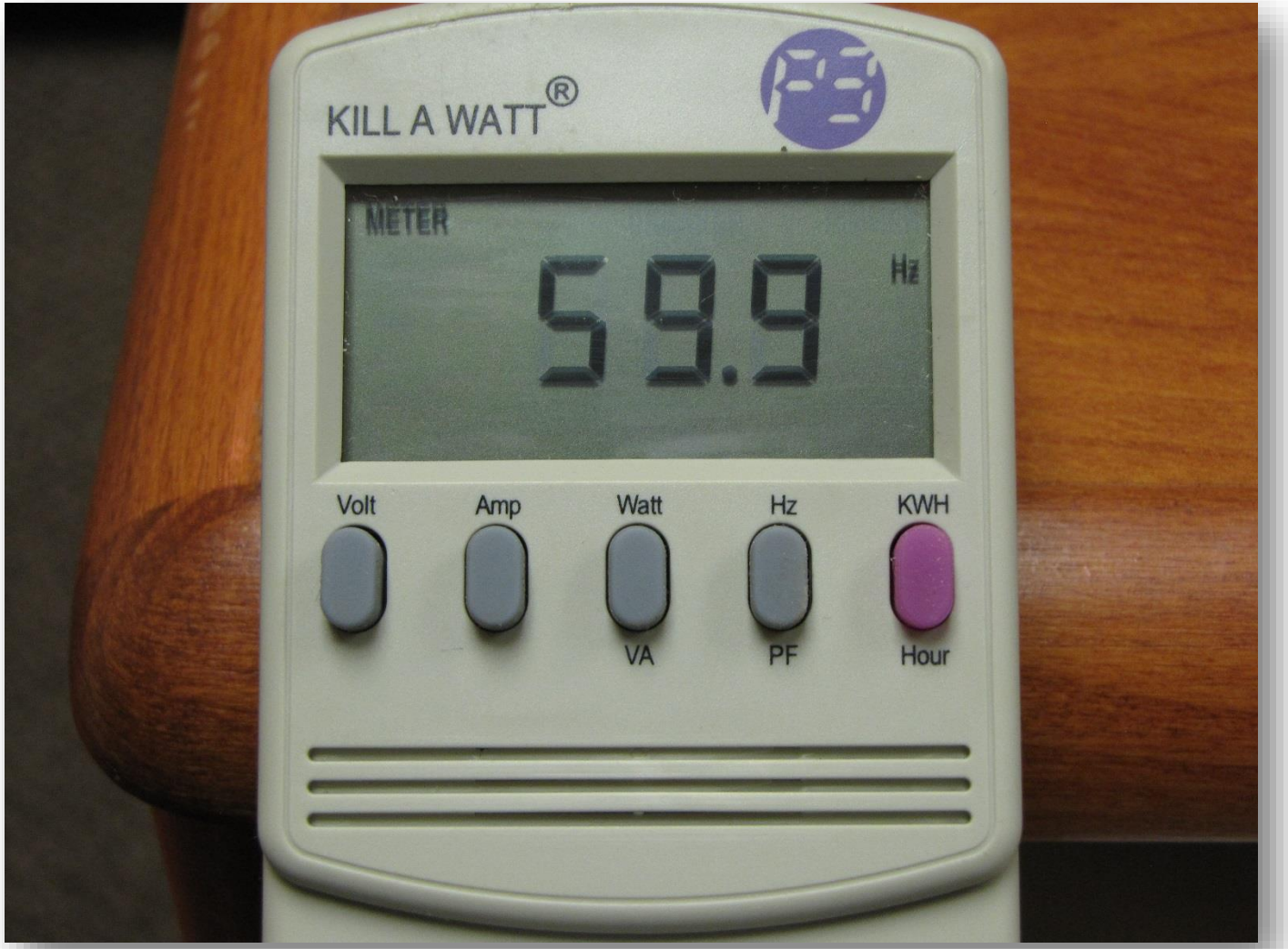
## Watts on Low




## Watts on High



# Hertz (Important to Industrial Companies)



# KWH (Electricity used over Time)

# KWH = cost

Step 1. Convert watts to kilowatts

Watts ÷ 1000 = KW  Example 1875 watts ÷ 1,000 = 1.875 KW

Step 2. kilowatts times the number of hours in operation (KWh)

KW x time  1.875 x 2 hours = 3.75KWh

Step 3. kilowatt hours times price per kilowatt hour

KWh x $.08  3.75 x $.08 = $.30

# Using the Meter for Cost

Leave the meter plugged in for a day or week, then just read the number in the KWH window and multiply it by $.08

Best for calculating cost for appliances like:

- Refrigerator
- Freezer
- Microwave oven
- Clothes washer
- Television

# What do you think???