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On was ON & Off was OFF

TV needs to be on STANDBY
–waiting for that remote signal.

KILL A WATT
P4400

VA = Volts x Amps

Watts = Volts x Amps x PF

Potential power vampires are usually left plugged in when not in use, and not turned off with a switch.

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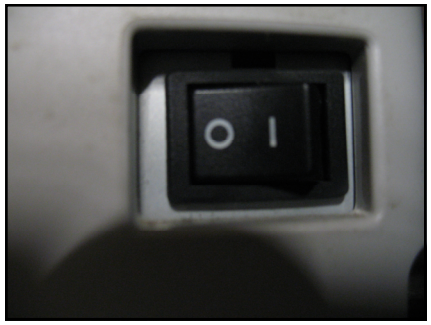
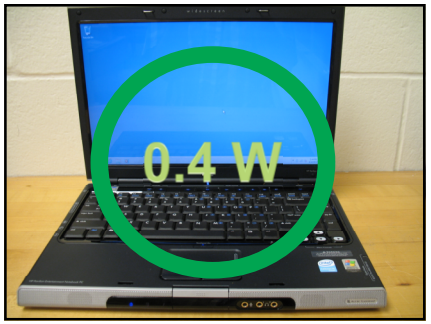
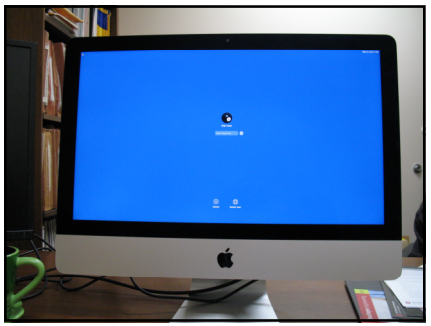
…these vampires may be drinking power even when apparently “asleep.”

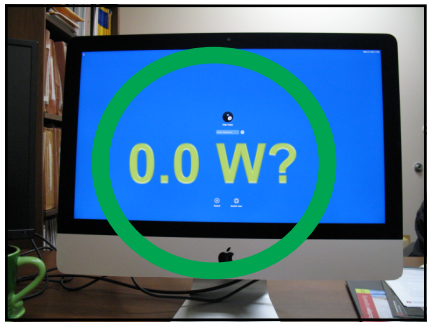


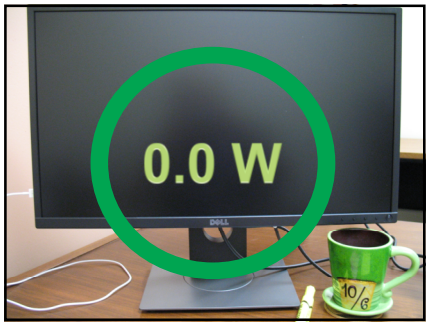

3 W


0.4 W


1.3 W



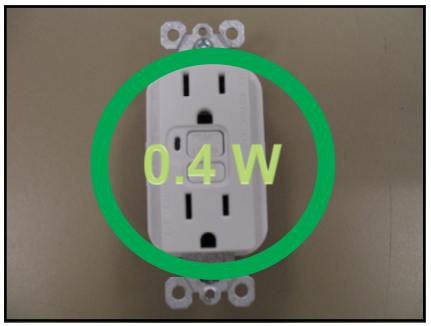

0.0 W?


0.0 W


0.0 W

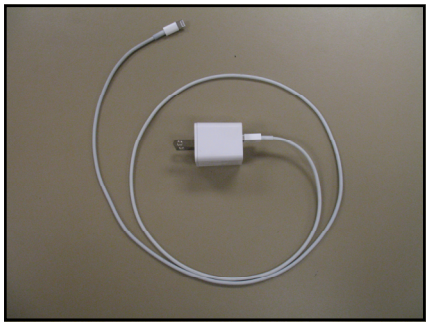

3M/GFI
2705
PORTABLE
RESET
TEST

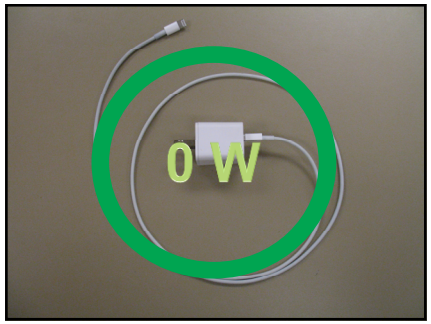

2705
PORTABLE
2.6 W
RESET
TEST

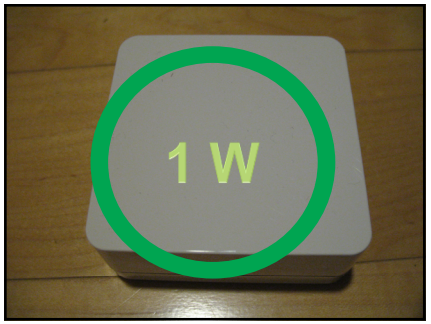

0.4 W

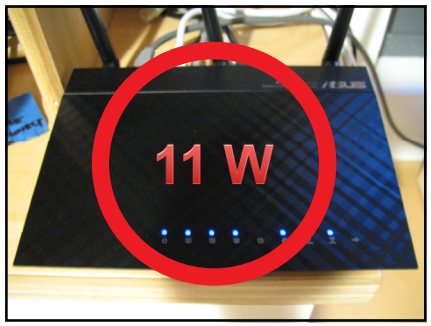

SIEMENS
20A
Arc-Fault
Circuit Interrupter
Interruptor de circuito
accionado por falla de arco
pour défaut d'arc
Catalog No.
Q120AFP
Type QAF
FIRE SAFETY DEVICE
New Electronic Trip Indicator!
NATIONAL ELECTRICAL CODE

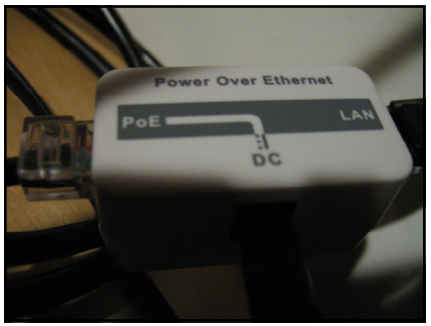

SIEMENS
20A
FIRE SAFETY DEVICE
1 W
NATIONAL ELECTRICAL CODE

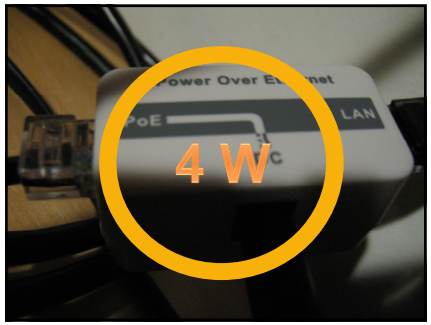


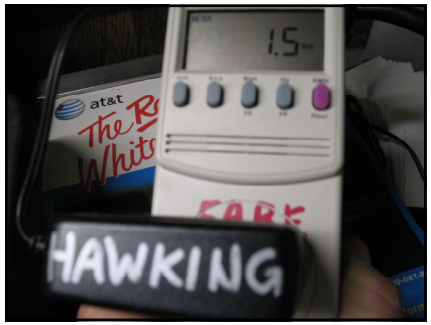

0 W


1 W

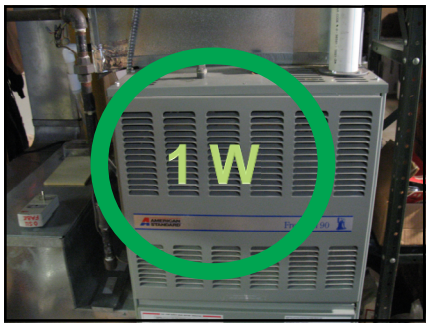

11 W

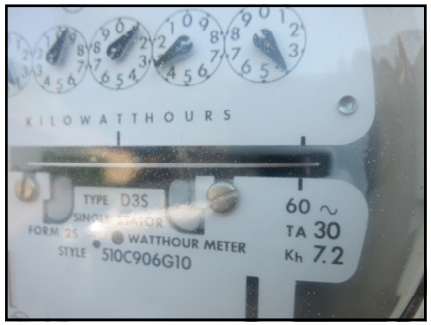

Power Over Ethernet
PoE
LAN
DC


4 W


1.5
at&t
HAWKING


1.5
1.5 W





$$K_h = \frac{W \cdot Hr}{rev}$$

$$\frac{7.2\ W \cdot Hr}{rev} \times \frac{1\ rev}{240\ sec} \times \frac{3600\ sec}{1\ Hr} = 108\ W$$

Points to consider…

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Newer items tend to use less standby power than older ones…

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Computer networking equipment may be hidden power vampires, when used in quantity...

	Time to Consume 1 KWH				
Watts	Hours	Days	Weeks	Months	Cost per Year (17¢)
1	1000	41.67	5.95	1.49	$1.49
5	200	8.33	1.19	0.30	$7.45
10	100	4.17	0.60	0.15	$14.89

	Time to Consume 1 KWH				
Watts	Hours	Days	Weeks	Months	Cost per Year (17¢)
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What is an appropriate cost for convenience/safety?

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What is an appropriate cost for convenience/safety?

Are these major expenses compared to other uses?

Power vampires usually consume small amounts of power, but over extended periods of time.

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Saving energy by making big power gulpers more efficient may be more cost effective.