Energy Consumption Recording Sheet for use with Kill a Watt Meter

Compliments of Tolland Energy Task Force

Two approaches to reduce energy consumption and save money!

Many electrical devices use power even when they are turned off and this meter will help you find these culprits. It's like finding free money, providing you act on your findings. Some devices use a lot more power than you might think and you will likely become more aware of your electric bill and how to reduce it.

- 1) Identify devices that consume electricity even when they are not in use and decide to unplug them when not needed to save money. (i.e. computers in sleep mode, TVs, cable boxes, etc.)
- 2) Identify cost of operating discretionary devices (waterbeds, fans, space heaters, etc.) to change usage habits.

Instructions

- 1) Plug Kill a Watt meter into outlet (hint: connect meter to an extension cord for easier access to read the display)
- 2) Press "W" button (display will read: "0 W")
- 3) Plug device of interest into Kill a Watt
- 4) Enter displayed number (watts) in "Power Consumption" column in table below
- 5) Estimate number of hours per day this device is in the current state and enter in "Hours per Day" column in table below
- (i.e. if you are evaluating a device that is currently turned "off" and it is only used 2 hours per day, record 22 hours here)
- 6) Calculate cost as follows:

Cost (\$) = (Watts displayed on Kill a Watt / 1000 W/kW) x Hours Used per day x 30 days/Month x Cost of Electricity (\$/kWh)

Example: (30 Watts/1000 W/kW) x 22 Hours per day x 30 days/month x 0.20 \$/kWh) = \$3.96

Helpful Tips

-Plug the meter into a short extension cord so you don't have to crawl around on the floor so much.

- -Devices to check: Cable box, DVD player, Television, Stereo, Lighting, Waterbed, Computers, Printers, Fax machines.
- -Once you find the inefficient devices, plug them into a power switch or switchable wall socket to turn off completely when the device is not in use.
- -Spreadsheet for automatic calculation is available at:

http://www.tolland.org/government/boards-commissions/tolland-energy-task-force/

Power Consumption (W) From Kill a Watt Display	Hours per day this device is used in current state	Cost per Month (\$)
30	22	\$ 3.96
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	From Kill a Watt Display	From Kill a Watt Display is used in current state

Total Cost per Month

Flectricity Rate (\$/kWh)	c	0.20
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(This is a typical cost in CT which includes taxes, generation & distribution charges. See table below to calculate your actual rate)

Calculate your actual electricity cost using a current electric bill

Enter Total Cost Shown on Bill (\$)	
Enter Total kWh Used (from bill)	
Your Electricity Rate (\$/kWh)	<>< Enter this number for Electricity Rate above (cell B43)

Send Questions/Comments to TETF via Email Link available at: