about \$200 each year. load costs the average household (NREL), the combined vampire Renewable Energy Laboratory According to the National

VAMPIRE POWER? SI TAHW

nseq p\ abbliances and Vampire power is the energy

vampire power. our lives more convenient, all take the device is picked up. lo make the option for instant wake when pack ground, a standard light, or could be a clock running in the plugged in to a power outlet. It furned off or shut down, but still electronics when they are

available 24 hours a day. security devices need to be is absolutely needed. For example, For some devices vampire power

time everyday? clock, when you use it the same to be tracking time with the digital Does the coffeemaker really need How about your coffeemaker? bowered when it's not charging? your phone charger need to be

However, others not so much, does

\$7.50/month or \$90/yr. mode s'ishi (mebom kilowatts (ie. your 0e-08 prizu esiveb s vampire power. For electric bill is from that 10% of your The US EPA calculated

average home contains about 40 National Laboratory (LBL), the According to the Lawrence Berkeley

around 1,226 kWh of electricity 24/7, which means an average of and half that amount in your office. it uses around 140 watts of power broducts constantly drawing power, towel rack plugged in all the time, FOR EXAMPLE: If you leave a heated

өзср уеаг.

Laboratory].

[Source: Lawrence Berkeley National

an average of 9 watts and 44 watts in

integrated DVRs) are among the worst

poxes (barticularly cable boxes with

clock). Laptop computers and cable

VCR or coffeemaker with a digital

(an alarm clock, oven, microwave,

PC, laptop, GPS or handheld gaming

charger (for a mobile phone, tablet

as a "wall wart" on the plug for your

supply (that clunky black box known

(such as a TV, DVD player or garage

router, printer or cable modem); a

qoor opener); an external power

any device with a remote control

Generally speaking, the biggest

vampire power consumers include

device); or a continuous display

vampire power offenders, drawing

"off" mode, respectively.

4.09 :m9boM Television: 113.9 Cable Box: 140.2 Game Console: 233.9 cords and wires.

reducing the danger of frayed

the need to repeatedly unplug

Using a power strip eliminates

Try plugging into a power strip.

warm towels when you get out

be spending an extra \$147 each

euergy usage means you could

At \$.12 per kWh, that excessive

year on your utility bill just to have

appliances from the wall,

Vampire Power?

Asiminim ew ob woH

of the shower!

Alarm Clock: 25.4 Printer: 55.2 Laptop: 62.12

Toothbrush: 12.3 Rechargeable Smart Bulb: 13.1

-buineal/mos.cottamied//:sqttd

center/blog/vampire-energy-guide

[Source: U.S. Department of Energy].

you turn off that power strip.

enjoy the energy savings when

recommended shutdown process

and other electronics, you needn't

into them. If you're worried about

cutting power to your computer

any appliances/devices plugged

power consumption to zero for

switched off, cutting vampire

electricity at all when they are

Most power strips use no

when you turn them off, then

be; just be sure to follow the

Five ways to defeat Vampire Power?

- 1. Be in the know: consider which devices are drawing vampire power and which ones can be turned off.
- 2. Audit unnecessary devices. Offices will have many devices they don't need. Audit to see how often you use the device and see if you can function without it.
- 3. Unplug the unused. If the lamp in the corner is for looks more than light, unplug it and save the vampire power.
- 4. Use the switch on the power strip. Many computers have peripherals that can turn on together. Plug these all into one strip and use the switch to power off and on. This will minimize the energy flow while they

are not in use.

5. Use "Power-off" or "Sleep Mode" instead of a screen saver. In the past a screen saver was used to allow you to pick up where you left off, however, when stepping away from your computer, use the Sleep Mode or Power-off option. Today's computer screens are capable to handle the sleep mode and power down options and will save you money.

RECAP: A. UNPLUG

B. SHUT DOWN/ **PUT IN SLEEP MODE**

C. USE A POWER STRIP

REFERENCE: Lawrence Berkeley National Laboratory

Most of us think about an 'off' device as being completely devoid of power but this simply isn't the case. By making clever use of power strips, smart outlets, and timing, you can significantly reduce your annual power usage.

OUESTIONS OR CONCERNS

RECYCLING SERVICES fpm@iastate.edu/recycling

For more information: https://www.livegreen.iastate. edu/resources/tips/electronicsother-plug-ins

This brochure references three web-sites:

https://www.linkedin.com/pulse/eight-waysreduce-phantom-load-costs-joe-liu/ https://electronics.howstuffworks.com/everyday tech/vampire-power.htm

https://www.saveonenergy.com/resources/ mapping-vampire-energy/

THE BIG PICTURE: What if we looked at what a U.S.

household/unit produces in vampire energy...

Total Annual Cost/household unit \$197.49

Average Number of U.S. Units: 131,715,330,25

Total Annual Vampire Power cost: \$26,012,052,335.87

WHAT COULD BE SUPPORTED WITH \$26 BILLION:

- 50,000 teachers for 10 Years.
- 50,000 miles of road repair.
- 3 meals/day for 3.4 Million people for a year.
- Solar energy panels for more than 700,000 homes.
- 294,000 homes for homeless Americans.

https://www.saveonenergy.com/resources/ mapping-vampire-energy/

Vampire Power the secret thief robbing YOUR **Energy**

Just like stress in your daily life, vampire power steals energy without you knowing it.

Tips to cut vampire power and save money on your next energy bill.

