

[illegible]

Answer the following questions to calculate how much money your household wastes on vampire energy.

**1. What is the total energy consumed by vampires in your house per month in Watt hours?**

Add all items in Column D.

**2. Duke Energy charges you per Kilowatt hour of energy used. Convert the total energy consumed in your house from Watt hour to Kilowatt hour.**

1 Kilowatt Hour = 1,000 Watt hours

**3. How much money does your house waste on energy vampires?**

Total money spent = Total energy consumed in Kilowatt Hours x Price per Kilowatt Hour

Price per kilowatt hour = \$0.093697

## HOW TO STRIP THE FANGS OUT OF VAMPIRE POWER

You can reduce the energy use in your house, save money and protect the environment taking steps to de-fang the energy vampires you identified.

- 1. Get unplugged.** All of your chargers (cell phone, laptop, electric toothbrush) continue to draw electricity even when the devices are not charging. For example, only 5 percent of the power drawn by a cell phone charger is used to charge the phone – the other 95 percent is wasted when it is left plugged into the wall. Unplug all electronics and appliances when they are not in use.
- 2. Use a power strip.** Choose a power strip with a switch to control clusters of products. When you're not using the products, turn the power strip off. The most likely targets for clusters are computer equipment (desktop, monitor, printer, speakers, etc), entertainment centers (TV, DVD player, speakers, game consoles), audio equipment (receiver, amplifier, CD player), and kitchenware (microwave, toaster, blender).
- 3. Turn your computer off.** Computers in sleep mode can cost an additional \$70 per year. If you are unable to turn it off, make sure the computer goes into a low-power sleep, standby, or hibernate mode. And, watch out for those screensavers! Graphic intense screen saver can actually waste power.

Product	Average Energy (W)	Product	Average Energy (W)
<b>Amplifier</b>		<b>Game Console</b>	
On, not playing	33.99	Active	26.98
On, playing	39.16	Off	1.01
Off	0.27	Ready	23.34
<b>CD Player</b>		<b>Microwave Oven</b>	
On, not playing	8.62	Ready, door closed	3.08
On, playing	9.91	Ready, door open	25.79
Off	5.04	Cooking	1433.
<b>Charger, mobile phone</b>		<b>Modem, DSL</b>	
On, charged	2.24	Off	1.37
On, charging	3.68	On	5.37
Power supply only	0.26	<b>Modem, cable</b>	
<b>Clock, radio</b>		Off	3.84
On	2.01	On	6.25
<b>Coffee Maker</b>		Standby	3.85
Off	1.14	<b>Phone, cordless</b>	
<b>Computer Monitor, CRT</b>		Ready, handset	2.81
Off	0.8	Ready, no handset	1.58
On	65.1	Active (talking)	1.9
Sleep	12.14	Off	0.98
<b>Computer Monitor, LCD</b>		<b>Phone, cordless with answering machine</b>	
Off	1.13	Ready, handset	4
On	27.61	Ready, no handset	2.82
Sleep	1.38	Active (talking)	3.53
<b>Computer, desktop</b>		Off	2.92
On, idle	73.97	<b>Power Tool, cordless</b>	
Off	2.84	Ready, charged	8.34
Sleep	21.13	Active	29.53
<b>Computer, notebook</b>		Ready	1.74
Fully on, charged	29.48	<b>Printer, inkjet</b>	
Fully on, charging	44.28	Off	1.26
Off	8.9	On	4.93
Power supply only	4.42	<b>Printer, laser</b>	
Sleep	15.77	Off	1.58
<b>DVD Player</b>		On	131.07
On, not playing	7.54	<b>Receiver (audio)</b>	
On, playing	9.91	On, not playing	37.61
Off	1.55	Off	2.92
<b>DVD/VCR</b>		<b>Scanner, flatbed</b>	
On, not playing	13.51	Off	2.48
On, playing	15.33	On	9.6
Off	5.04	<b>Set-top Box, DVR</b>	
<b>Ipod/Kindle Charger</b>		On, no recording	37.64
Plugged in, not charging	1	On, recording	29.29
		Off	36.68

Product	Average Energy (W)	Product	Average Energy (W)
<b>Set-top Box, digital cable with DVR</b>		<b>Surge Protector</b>	
Not recording, TV off	44.63	Off	1.05
Not recording, TV on	44.4	On	0.8
Off by remote	43.46	<b>Television, CRT</b>	
<b>Set-top Box, digital cable</b>		Off by remote	3.06
On, TV off	24.65	Off by switch	2.88
On, TV on	29.64	<b>Television, rear projection</b>	
Off by remote	17.83	On	186.09
Off by switch	17.5	Off by remote	6.97
<b>Set-top Box, satellite with DVR</b>		Off by switch	6.6
Not recording, TV off	28.35	<b>Telephone Answering Device</b>	
Not recording, TV on	31.37	Off	2.01
Off by remote	27.8	Ready	2.25
<b>Set-top Box, satellite</b>		<b>VCR</b>	
On, TV off	15.95	On, not playing	7.77
On, TV on	16.15	Off	4.68071
Off by remote	15.66		
Off by switch	15.47		
<b>Speakers, computer</b>			
On, no sound	4.12		
Off	1.79		