	Phantom Loads Worksheet				*	Revised 1/1/12	
Appliance Tested (1)	Watts (2)	Kilowatts (3)	Hours (4)	KWh (5)	Rate (6)	Cost (7)	
		0	8760	0	0.1171	0	
		0	8760	0	0.1171	0	
		0	8760	0	0.1171	0	
		0	8760	0	0.1171	0	
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		0	8760	0	0.1171	0	
		0	8760	0	0.1171	0	
		0	8760	0	0.1171	0	
Total (8)						0	
Notes: The challenge is to test your electric (and electronic) devices to see what your whole house phantom							
load is. Testing should be done when the device is "off" by the remote or whichever method you							
normally use when you are not using it! For those of you who have Excel on your computer, this							
spreadsheet will calculate for you if you fill in the first two columns. Go to www.elkriverutilities.com or							
call 441-2020 to obtain a working copy. If you do not have Excel, you will need a calculator to do the math							
as described below.							
1. List the electric appliance to be tested. Include things such as TVs, computers, monitors, printers,							
copiers, fax machines, battery chargers for cell phones, telephones, & power tools, audio systems, and							
you may even want to check refrigerators, microwaves, and washers if they have electronic displays.							
All electronic displays consume small amounts of electricity even when the appliance is not being used!							
2. Use the Kill A Watt Monitor to acquire the data. Begin by plugging it into the wall outlet. It will							
display line voltage (between 115 and 125 volts). Plug in the device to be tested and press the third							
(watts) button. For some electronic devices such computers and printers, you may have to wait a few							
seconds for everything to stabilize after unplugging and plugging it in again -- wait until you have a							
steady watts reading on the Kill A Watt Monitor display. Record this number in the Watts column.							
3. A kilowatt (kW) is a unit of electric power and is equal to 1000 watts. Divide your watts reading by 1000							
or simply move the decimal point three places to the left and record in the kilowatt column.							
4. Column 4 is the estimated time of use. It could either be for one month (720 hours) or one year (8760							
hours). For the purposes of this test we will calculate annual phantom load use or 8760 hours..							
5. A kilowatt hour (kWh) is a unit of electric energy. Your usage is recorded in kilowatt hours on your							
electric bill. Simply multiply the kilowatts times the hours to calculate the kilowatt hours for column 5.							
6. The rate we will use is the average 2012 kilowatt hour rate of $.1171/kWh.							
7. Multiply the kilowatt hours (column 5) by the rate (column 6) to calculate annual phantom load cost.							
8. Total all phantom load costs by adding column 7 costs.							
9. Reminder: This is the total phantom load use and does not include the additional energy the devices							
consume when they are turned on!							