

Directions for Entering Data into Page 1
Titled “ Survey of Lighting Use in Household”

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Take a tour of your dwelling and find all of the lights that are inside and outside your home. For each light bulb or lighting filament record the location of the bulb, type of bulb (incandescent or compact fluorescent), the kilowatt rating of the bulb, the number of hours the bulb is on during the day and the calculated kilowatt hours used by the bulb during a day. Below is a more detailed set of instructions for entering information on the survey sheet titled “Survey of Lighting Use in Household”.

For each light bulb (or lighting filament) in your house, determine and record the following on the sheet titled “Survey of Lighting Use in Household”.

- 1) Record the location of the bulb (or filament) in the lighting location column.
- 2) Indicate what type of bulb is present (incandescent or compact fluorescent) and record in “bulb type”.
- 3) Calculate the kilowatts of energy for the bulb.
Divide the wattage listed on the bulb (or filament) by 1000 to obtain kilowatts.
Record the kilowatts in the “bulb Kw” column.
- 4) Estimate the hours when the bulb is used during the day and night.
Make estimates for AM and PM and add together for “Total Hrs Use per day”.
- 5) Calculate the kilowatt hours used during a day.
Multiply the figure in the “bulb Kw” column times the figure in the “Total Hrs Use per day” column.
- 6) Indicate which bulbs you would switch to Compact Fluorescent Bulbs (CFL’s) in the last column.
- 7) Add all the numbers in the “Total kwh use” column and record at the bottom of the page. This number represents the total kilowatt hours used for lighting per day.

Directions for Entering Data into Page 2
Titled “ How Much You Spend on Bulbs per year”

- 1) Copy information from page 1, column 1 and paste into “Bulb Lighting Location”. Copy information from page 1, column 6 and paste into “Total Hrs. Use per day”.
- 2) Compute yearly use per instructions in column head and record in “Total Hrs. Use per year” column.
- 3) Determine lifespan of the bulb (will be on the packaging). If you don’t have that information available, use the standards of _____ hrs. for incandescent bulbs and _____ hrs. for compact fluorescent bulbs. Record this amount in the “lifespan of the bulb” column.
- 4) Compute # of bulbs used per year per instructions in column head and record. Note: this may be a number less than 1.
- 5) Record the cost of the bulb. If you don’t have that information available use the standards of _____ per incandescent bulb and _____ per compact fluorescent bulb.
- 6) Calculate the yearly bulb cost per instructions in column head.
- 7) Add all the numbers in the “yearly bulb cost” column and record at the bottom of the page. This number represents the total cost of bulbs for the year.

Directions for Entering Data in Page 3
Titled “Survey of Energy Use in Household After Conservation Measures”

The directions to complete page 3 are identical to those for page 1 with one exception. In the second column you need to indicate what conservation measures (if any) were proposed. See the key at the bottom of data sheet page 3 for what to enter in the second column.

Please note: Any conservation measure will change either kilowatts used, hours used, lifespan of the bulb and/or cost of the bulb. Make sure you go over all your calculations to ensure the new conservation measures are accurately entered and calculated.

Directions for Entering Data in Page 4
Titled “How Much You Spend on Bulbs Per Year After Conservation Measures”

The directions to complete page 4 are identical to those for page 2 with one exception. In the second column you need to indicate what conservation measures (if any) were proposed. See the key at the bottom of data sheet page 4 for what to enter in the second column.

Please note: Any conservation measure will change either kilowatts used, hours used, lifespan of the bulb and/or cost of the bulb. Make sure you go over all your calculations to ensure the new conservation measures are accurately entered and calculated.