



Energy Load Evaluation Form.

As the future manager of your new power company, this is the most tedious but crucial planning phase you will have to go through. Completing this form is the most critical phase of the system design process. The information you provide on this form is the basis of the design. I will use this information to determine the best and least expensive way to meet your system requirements. The more accurate the information you provide, the more efficient and less expensive the system.

To Get Started: List all of your electrical appliances on the Calculation Sheet (click on the tab below).

Go through each room of your house and systematically itemize each electrical appliance by name, quantity, and put the number of watts or amps it uses in the appropriate column. Later you will add the hours per day you use each appliance, and the days per week you use each appliance.

Note - You will need to look at the back or the bottom of each item and read the wattage or amperage and the voltage. If you can't find it, contact the retailer or manufacturer to get the information specific to your equipment. If you're confused, Please, Do Not Guess! Contact me, I can help out figure out the minor unknowns. Examples are on the Calculation Sheet Form.

Next, Observe and Record Your Energy Usage; Complete the Calculation Sheet, and return to Dana.

As you wake up in the morning, begin recording all of your energy usage. Keep track of the amount of time you use each electrical appliance until you retire for the night. If your energy system is to be used year-round, record the amount of time each appliance is turned on, based on your pattern of usage on the shortest day of the year (December 21). If your energy system will be a two- or three-season system, we will use your recorded typical pattern of usage on the shortest day of that period.

Note: Great Solar Works also has a meter available to borrow that will measure the energy used by your appliances. Call us for details.

Please call if you have questions, there is no such thing as a dumb question, and congratulations on the first step to energy independence. When you have completed this, I will review and total up the information and we will discuss the options, which usually can reduce your energy loads.

Energetically,
Dana Orzel



Dana Orzel - Systems Designer
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Please complete electronically and email to Dana. Alternatively, you may print this out and fill it out by hand and mail or fax.

If you need instructions with how to email a file as an attachment, a cheat sheet is on our webpage:
www.solarwork.com/greatsolar_energyeval.html

On this worksheet you will type in WHITE, BLUE OR PINK areas only. Do NOT type in the gray, brown or yellow shaded cells.

Energy Load Evaluation Form.

Name: _____

Telephone: _____

Fax: _____

Email: _____

Mailing Address: _____

Site Name: _____

Installation Location GPS Coordinates and Site Address: _____

Reminder: Please read the detailed instructions (Instructions Tab on the Worksheet) first.

Important: For each appliance fill in the "Watts" (light blue) column -OR- the Volts & Amps columns (pink)--see the example below. You can fill in Watts for one appliance and switch to Volts/Amps for another. We are giving you this option to make things easier. You will type in WHITE, BLUE OR PINK areas only. Do NOT type in the gray, brown or yellow shaded cells.

Room	Appliance Name	#	Watts	or	Volts	Amps	Hours used per Day	# Days per Week	Total Peak Watts	Total Watts per Day	Average Total Watt Hours per Day
<i>EXAMPLES:</i>											
Living Room	Table Lamp	3	23				6	5	69	414	295.7
Laundry Room	Dryer	1			240	12	4	3	2880	11520	4937.1
Living Room	TV	1	110				2	4	110	220	125.7

Note: Totals are self-calculating!

<i>Potential Peak Watts:</i>	3059.0
<i>Total Average Watt Hours per Day:</i>	5358.6

