



# Power Consumption Assessment Form

To enable us to estimate the power required for your proposed or existing power system, we need to know what appliances equipment or lighting you wish to use, and the duration for which you would use them on a daily or weekly basis. We also need to know the power consumption for each of these items. Most electrical equipment has a stamp or a plate (usually underneath or on the back of the unit) showing its power specifications. This information is generally shown as wattage (W), but may also be written as amperage (A) or volt-amps (VA).

Please fill out the table following with your intended energy usage, and try to be as thorough as possible, because our quotation can only be as accurate as these figures.

**Name:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Postal Address:** \_\_\_\_\_  
 \_\_\_\_\_

**System Address:** \_\_\_\_\_  
 \_\_\_\_\_

| Location                                 | Power Typical (Watts) | Power Yours (Watts) | Qty | Average hours Per day Typical | Average hours Per day Yours | Total energy use Typical (Watts) | Total energy use Yours (Watts) |
|--|-----------------------|---------------------|-----|-------------------------------|-----------------------------|----------------------------------|--------------------------------|
| <b>KITCHEN</b>                           |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 36                    |                     |     | 1                             |                             | 36                               |                                |
| Refrigerator                             | 1500                  |                     |     | Per/24 hour                   |                             | 1500                             |                                |
| Toaster                                  | 1500                  |                     |     | 0.15                          |                             | 225                              |                                |
| Microwave                                | 1200                  |                     |     | 0.25                          |                             | 300                              |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| <b>DINING ROOM</b>                       |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 18                    |                     |     | 1                             |                             | 18                               |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| <b>LOUNGE</b>                            |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 36                    |                     |     | 5                             |                             | 180                              |                                |
| Television                               | 100                   |                     |     | 3                             |                             | 300                              |                                |
| VCR/DVD                                  | 40                    |                     |     | 0.3                           |                             | 12                               |                                |
| Sound System / Radio                     | 30                    |                     |     | 3                             |                             | 90                               |                                |
| Computer: Laptop or Desktop, printer etc | 250                   |                     |     | 1                             |                             | 250                              |                                |
| Vacuum cleaner                           | 1000                  |                     |     | 0.3                           |                             | 300                              |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| <b>LAUNDRY</b>                           |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 18                    |                     |     | 0.07                          |                             | 1.26                             |                                |
| Washing Machine                          | 500                   |                     |     | 0.3                           |                             | 150                              |                                |
| Clothes Dryer                            | 2400                  |                     |     | 0.16                          |                             | 333                              |                                |
| Iron                                     | 1500                  |                     |     | 0.3                           |                             | 450                              |                                |
| Pressure pump                            | 350                   |                     |     | 0.5                           |                             | 175                              |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| Peak Watts                               | 10,478.00             |                     |     | Watt Hours per day            |                             | 4,320.26                         |                                |
| <b>GARAGE</b>                            |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 36                    |                     |     | 0.07                          |                             | 2.52                             |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| <b>STUDY</b>                             |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 18                    |                     |     | 1                             |                             | 18                               |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| <b>BEDROOM 1</b>                         |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 18                    |                     |     | 1                             |                             | 18                               |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| <b>BEDROOM 2</b>                         |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 18                    |                     |     | 1                             |                             | 18                               |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| <b>BEDROOM 3</b>                         |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 18                    |                     |     | 1                             |                             | 18                               |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| <b>BATHROOM</b>                          |                       |                     |     |                               |                             |                                  |                                |
| Lighting                                 | 18                    |                     |     | 1                             |                             | 18                               |                                |
| Other                                    |                       |                     |     |                               |                             |                                  |                                |
| Peak watts                               | 10,604.00             |                     |     | Watt Hours per day            |                             | 4,412.78                         |                                |

# Power Consumption Assessment Form

## Please answer the following:

Do you have mains connection - is mains connection available?

Yes

No

Distance to nearest mains point? .....

Quote for mains connection .....

Do you own a petrol or diesel generator

Yes

No

*If yes please provide generator manufacturer and size in kVa* .....

**Please note:** The completed appliance use table allows us to design a power system to your specific needs; all lighting is based around 9watt low energy lamps. Alternatives to electricity need to found for any heating, hot water and cooking of food.

Once these large loads are eliminated and any other appliances which may have to be purchased are of low power consumption your system should be of a reasonable size.

Where average daily use does not constitute a full hour, then a partial hour must be calculated, this is achieved y the minuets divided by 60. For example laundry lights at 20 watts used for 4 minutes per day would be  $4/60 = 0.07$  & therefore  $0.07 \times 20 = 1.4$  watts.

Please email your completed form to: [info@redearthenergystorage.com.au](mailto:info@redearthenergystorage.com.au)

Please do not hesitate to contact us for further information or assistance.

**PHONE: 0450 446 990**



**RedEarth**  
ENERGY STORAGE