



ABN: 45 118 108 044

# Energy Matters Solar Power Site Assessment

SAMPLE

**Energy Matters Site Assessment form:** If you would like to supply and install of your grid connected solar power system, please complete and return this form.

## Basic notes before you begin

- The roof space where the solar panels are to be installed **should face as close to North as possible**
- The roof space should be free from shading by trees and buildings during the summer **and** winter months. Remember, **shadows cast during winter** are longer than summer shadows. Consider trees that could grow over time, especially in the neighbor’s yard!
- The main power-producing hours of the day are generally between 10am and 2pm – check to see if your proposed roof space will receive this “window” of sunlight.

## Your details

- Owner Name:  
John Smith  
.....
- Site Address:  
1 Johns Place, Chisholm, ACT, 2905  
.....  **Built**  ~~Not yet built~~
- Postal Address:  
1 Johns Place, Chisholm, ACT, 2905  
.....
- Phone:
  - a. **02 6291 4768** .....(Home)
  - b. **02 6271 1139**..... (Work)
  - c. **0447 322 011** ..... (Mobile)
  - d. **02 9445 5544**..... (Fax)
  - e. **johnsmith@optusnet.com.au**..... (Email)

## Your building

- After browsing our **Energy Matters Solar Grid Connected prices list**, select size of system you are interested in (each kW takes approx. 8M<sup>2</sup> of roof space), as follows:

1kW  ~~2kW~~  ~~3kW~~  Other

- Select orientation of roof, as follows:

North  ~~North East~~  ~~North West~~  ~~Other.....~~

- Approximate un-shaded roof space available to mount the panels = **...60...M<sup>2</sup>**  
Dimensions are 9.6 m base edge, 6.5 m each vertical edge and 1m at the top edge
- Current average daily energy consumption (check your electricity bill) = **19 kW/hours per day (but we are about to replace electric 125 litre hot water service)**
- Approx. slope of roof (please make a reasonable guess e.g. 25 degrees) = **...25...degrees (not sure exactly but assume the panels are going on parallel to the roof)**
- Type of roof material (eg. Trimdeck, corrugated tin, terracotta tile etc) = **terracotta tiles**
- Single or two storey? .....**Single**
- Do you want the solar system to computer (PC) interface? **Yes/ No**
- Do you want a remote display? **Yes/ No**
- Which power utility company are you currently with  
(Country Energy, Energex, Origin, etc)? **Tru Energy**

## Your building plan

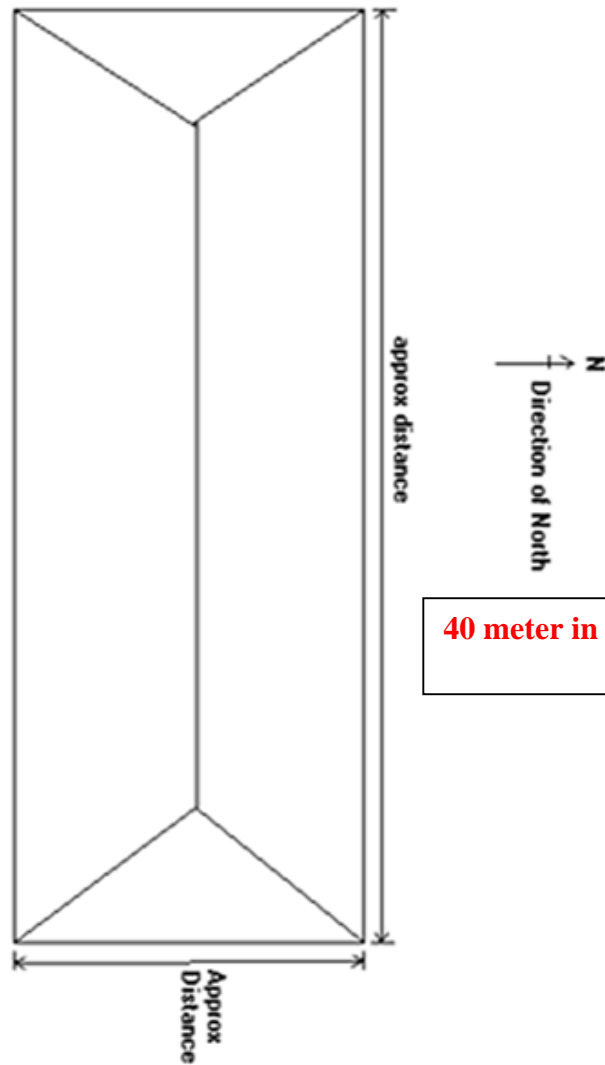
Please **review the plan on the following page** and sketch in any useful information about the location of panels and other listed equipment.

**If possible, we would appreciate if you could also provide the following:**

1. Photos of suggested roof space at varying times of the day (**Previously sent**)
2. Photos of main switch board (**Previously sent**)
3. Formal plans and any additional sketches




**Please call with any queries and we look forward to moving forward with you on this project!**

**Additional comments:** Panels on north end of building and switch board on south end, but the house is not large and so approximately 20 meters of cable required. We would be looking to put the inverter on the western side under an eave. Also, we seek a quote on a 30 tube Hills hotwater service with a 250 tank. We were planning on having this mounted on an unshaded part of the western roof. A quote on both the gas boosted and electric boosted model would be appreciated. How often do you think the booster would kick in with such a set up?



40 meter in length

10 meter in width

- Please mark on the diagram, these items :
-  Building existing power distribution board
  -  Main power/ meter board for the site
  -  Any tall shade trees near building

### Energy Matters Design Team

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