ARKANA SOLAR

PVSystem*Performance***Estimate**

PV System Performance Estimate

Customer Name:		Installation Date:	
Installer:			
Installation Address:			

Optimum Performance

An optimally orientated, inclined and unshaded system deliver an average of 4.2kWh of power per day kWp solar irradiation and temperature data from the Australia Solar Radiation Data Handbook. "PV array 1kWp facing true north and a tilt angle 20 with an average inverter/ wiring efficiency – 0.92 using long term average. (Data Source: PV-GV spreadsheet based on the CEC GC Design Guideline).

PV System Size	Average Output/day (kWh)	Average Output/year (kWh)

Pitch & Orientation loss estimate

Due to roof pitch and orientation, your system will not deliver as much energy as an optimally inclined and orientated solar array. Consequently our installers estimates that your system output will be reduced.

Orientation: _____ Pitch _____ Loss Estimate _____%

Shading loss estimate (under current condition at time of inspection)

Due to shading obstacles, our installer estimates that your annual output may be reduced when compared to an unshaded site. Your inverter can assist you to monitor the impact of shade on you system output, and you may wish to take appropriate actions to manage your shading obstacles.

Loss estimate: _____%

Installer recommendations:

Solar system status at end of installation:

The solar System has been left turned off and should remain off until Energex have installed the solar meter. ☐
If there is an existing meter the system will be turned on by the installer.

Installer has explained the procedure to turn on the system once Energex have installed the solar meter. ☐

Customer declaration

By signing this form, I understand and have been made aware of the performance estimate and reductions of my PV system. It has been recommended to me that in order to increase performance I will need to remove trees and/or obstructions causing shading on the Solar Array. I am happy to procced with the solar installation and its proposed location and will not hold our contractor liable for any efficiency loss caused by shading nor request the system to be moved to another location.

Name: _____ Signature: _____ Date: _____