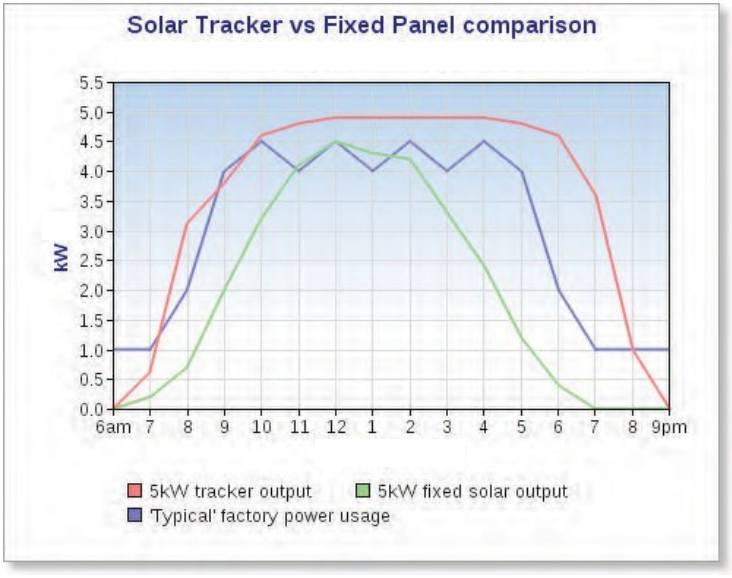
Performance Comparison - TRACKING Installation vs FIXED Installation

Overall a tracking panel will generate more power than a static panel. However, in the Current Tariff Climate where Export Prices are at 6 To 8 Cents Per kWh, There is Little Advantage in maximizing your export power to your supply company. It is far more effective to reduce your import of electricity during the working day by maximizing the generation in that period. This is where Tracking panels has a major advantage, in that it generates optimum power in a minute by minute basis over a larger portion of the working day, thereby reducing the amount of power which has to be imported at the tariff price.

*true & actual comparison of outputs 08/12/2011, 15hr period.

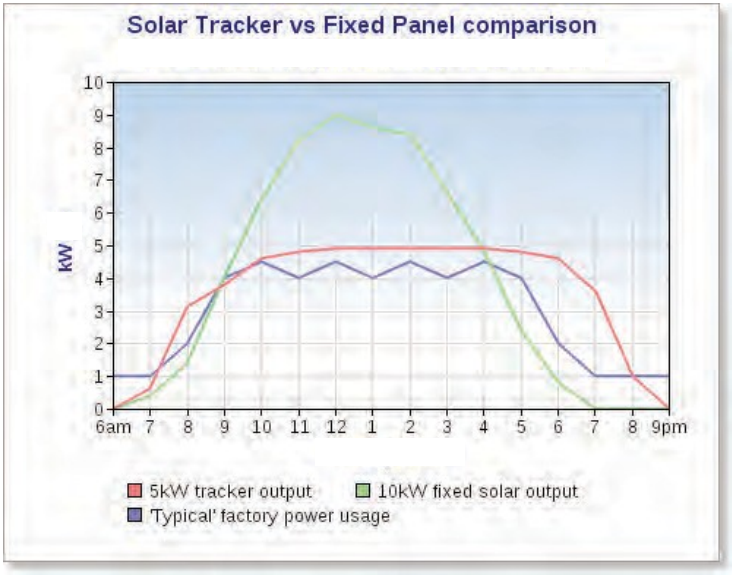


EXAMPLE – 1

5kW Fixed Panels vs 5kW Tracking.

Fixed panels provide 3hr of Peak Generation Usage, where the Tracker Generates Peak Energy for 10+ hours providing a small surplus.

*true & actual comparison of outputs 08/12/2011, 15hr period.



EXAMPLE – 2

10kW Fixed Panels vs 5kW Tracking.

Fixed panel area has now doubled to try and cover the daily Usage but still cannot match the more consistent supply of the Tracker.

*Any excess power produced (Anything above the blue line) does Not offset your power but is considered excess energy and is only worth 6-8 cents per kWh as a feed in. Doubling panels is a very costly exercise for very little return!

Comparison was carried out at a facility at Corowa NSW with a fixed north facing installation compared to a Dual Axis Tracking (DAT) system. Greater output can be expected over summer and less in winter. Test date 08/12/2011