Random energy facts...

- Seven out of ten disappointing outcomes and unmet expectations regarding PV systems are due to electricity consumption-generation profile mismatch.
- Taking measures to implement efficiency could reduce your electricity bill by up to 85%.
- An energy efficient three-bedroom home should consume less than 12kW.h per day without PV generation.
- When combining correct efficiencies and PV generation, the average ROI is 40% faster than using PV generation only.
- An electric stove/oven uses less than 5% of the energy in a standard home, yet rate in the top three appliances perceived to consume energy in the home.
- A standard non-efficient fridge could use more than 6kW.h/day compared to 0.3kW.h/day for an efficient model of similar capacity.
- Under sizing a solar geyser will result in daily consumption from grid, while oversizing will result in overheating and water wastage.

Why an Audit Platform?

There is simply no better way to reduce energy consumption than to compare options in an audit platform on an individual load basis. Avoid typical mistakes like incorrect technology selection or sizing. Avoid spending time and money focussing on stereotypical loads. A standard family home should use no more than 12kW.h/day without the aid of PV generation. Identify and focus on the correct appliances. Avoid disappointment later; make sure you have all the facts.

SENRii

Jacara Models

About Jacara Models

The energy profile of a home is not a single dynamic mass changing unpredictably. It is actually made up of numerous loads that are generally repetitive by nature. Jacara Models allow the isolation and dealing with loads on an individual basis.

Accurate data recorded over a two week period together with our unique audit platform is the first step towards energy independence. Using a specialized audit platform avoids guessing, whilst aiding in the correct selection of technology and size of efficiency measures. Understand, prioritise and plan the impact and viability of energy efficiency measures.

Many significant residential loads are seasonal; even this can accurately be incorporated into Jacara. Incorporate seasonal effect by removing or reducing specific loads during non-operational months as well as adding loads from the Jacara Database for appliances that were non-operational during data collection.

Benefits

- Identifying problem appliances
- Compare efficiency options
- Individual appliance ROI
- Consumption breakdown
- Pre/Post energy profile
- Daily energy profile
- Seasonal energy profile
- Appliance comparison
- ROI chart
- Financial simulation
- Individual load visualization

Jacara Models - make your mistakes on paper, not in your home