

## Disclaimer

Sometimes, we may need to update the Information provided by our website and its calculators. This could be for a variety of reasons including that the assumptions or parameters have become outdated or an element contained within an assumption or parameter is no longer accurate. It could be because of changes in technology, climate, cloud cover and other weather conditions, flora and fauna, and, environmental conditions. It could also be because we introduce new products and services or there are updates or modifications to our existing products and services. For all of these reasons, the Information is subject to change at any time without notice.

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## **Residential Customers**

### Solar Calculator and Solar Savings Assumptions

- Estimated electricity consumption has been calculated

By using your current electricity spend.

In order to do so, we have separated our quarterly spend into the fixed component (often referred to as "daily supply charge") and variable usage charge (often referred to as usage charge) based on a representative consumer of your jurisdiction (State). The referenced information can be found in "2017 QCA Queensland Competition Authorities" report published by QCA. We assume that you are inquiring about your first solar system and have thereof removed already included solar generation from the reports' figures, if applicable. We do not distinguish between separate metered appliances like off peak electric hot water system or others. Your solar system might not be able to offset such separated metered demands. However, we could have included such separate metered appliances into our assumption of your estimated electricity consumption which can be offset by your solar system.

Your solar panel savings are an estimate based on the following principles:

- We assume that average electricity consumption remains constant throughout the year.

- We then apply the performance estimate for the solar system, which is the average per annum output for the State in which you live determined by reference to the installation guidelines prescribed by the Clean Energy Council
- Based on our calculation of your annual electricity demand (in kWh), we will recommend a system size which will be able provide up to 50% of your annual electricity demand (as a solar system will only be generating during daytime hours) and at the same time could provide at least 30% excess of generated electricity to accommodate for fluctuations in your consumption profile
- We assume that your arrangements with your electricity provider will enable you to feed electricity back to the grid and receive compensation from your retailer for the excess energy.

The following feed-in tariffs (in \$/kWh) have been used:

STATE Feed-in tariff for Queensland is 0.10 \$/kWh. We have used this figure to calculate your feed in compensation, based on your input daytime consumption percentage provided.

- If any of the parameters mentioned above change, this may affect the solar savings. For example, if your electricity provider does not offer a feed-in tariff over the 25 year period, the solar savings will be different.
- Your general supply tariff is T11 and based on a supply rate of \$0.28479/kWh
- The performance estimate that we mention above is also based on certain parameters including the pitch and orientation of the panels. Again, these parameters are determined by reference to the installation guidelines prescribed by the Clean Energy Council.

Please note – No allowance has been made for performance estimate to take into account an annual degradation of the solar system, estimated at 0.5% per annum.

#### Assumptions

- Outputs of solar generation have been based on industry standards published by Clean Energy Council.
- Solar PV System is installed in a location within a standard industry design, free from shading, excessive panel tilt angle, high temperatures, adequate cable sizing and lengths, and panels are clean, free from dust, paraphernalia and free from defect, system has been maintained and is fully functioning,