

## Townview Motel

### Location

Mount Isa, QLD, 4825

### Project Completed

July 2013

### System Size

27.5kW

### Estimated Annual Production

58MWh

### CO2 Savings

50 Tonnes, that's 250 trees a year

### Return on Investment

2.1 Years

### 15 Year Saving

\$744,531

### Solar Inverter

1 x SMA Tripower STP15000TL-10  
1 x SMA Tripower STP12000TL-10

### Solar Panels

110 x Trina TSM-250PC05A

### Array Structure

East/West Array at 15 degree pitch

### Tariff

22 (Day/Night Small)



When looking for an alternative power option Townview motel contacted Q Energy Solutions to design a solar power system to power their facility during daylight hours. The motel encompasses 24 rooms with air-conditioning, washing machines, dryers, a pool and restaurant, all which use a lot of power and add up to an expensive electricity bill.

A 27.5kW solar system was designed and installed by QES to offset the motels kilowatt-hour (kWh) usage against the high tariff rates that are commonly experienced by accommodation in Qld. In peak periods (7am -9pm) kWh are charged at 40.9 cents ex GST as opposed to the 14.4 cents ex GST charged in off peak periods. With the installation of solar the daytime running costs for the motel have become much more manageable.

**“Motel encompasses 24 rooms with air-conditioning, laundry, a pool and restaurant...add up to an expensive electricity bill”**

Data logging allowed QES to identify trends in usage, monitor power quality, and perform tariff analysis and analytics in order to design a system that is tailor made for the motel. By working with facts instead of assumptions, the motel was able to see true identifiable returns on their investment in just over 2 years.



Considering a commercial solar project?

Contact us on **0447 400 748**