

LEADERSHIP IN CLIMATE ADAPTATION

COMMERCIAL – MAIN TEMPLE & COMMUNITY BUILDING

QUANG DUC TEMPLE ENERGY EFFICIENT PLAN IN 2014

LIGHTING AUDIT FOR EFFICIENT MEASURES TO IMPLEMENTATION

The planning to reduce energy consumption and carbon emission was initiated in 2014. Due to necessary building renovation and other upkeep requirements of the Temple, the energy efficient plan was prioritised to a year later in 2015, with lighting retrofitting plan to start. This implementation will help to define the exact power consumption on average for future uptake of a suitable capacity of a solar system.

Replace inefficient lighting application of fluorescent tube to LED tube in 2015 to:

MAIN TEMPLE
RECEPTION
FUNCTION & COMMUNITY ROOM
RELIGIOUS STUDY ROOMS

QUANG DUC TEMPLE 20kWp SOLAR ENERGY SYSTEM INSTALLED IN NOVEMBER 2017

CARBON FOOTPRINT REDUCTION MEASURES TO IMPLEMENTATION

Throughout the course of development, among the many challenges that required persistence and tenacity, financial capacity is the core. Finally, a financial capacity was allocated in September 2017, and this has marked the beginning of the new chapter of Quang Duc Temple towards a clean pathway and sustainable future. The clean energy plan was finally taken place in late 2017 with a much-needed new solar system of a 20kWp capacity to power the Temple's daily energy consumption. The cost of this solar system is AUD \$20,000.

This is an investment with multiple benefits to:

- [1] the reduction of carbon emission
- [2] protect the health of the environment as a foundation of a harmonious living in line with Buddhism principles
- [3] promote an energy efficient and sustainable living
- [4] establish a capacity to meet the need of energy demand of the Temple's activities
- [5] reduce the energy bill in order to reduce the operation cost of the Temple's social and religious activities.
- [6] reduce wildfires and other natural disasters around the world.

Quang Duc Temple has called his Buddhist congregation and local Buddhist community to act now, by changing to solar energy, to help to reduce CO₂. Because coal energy emits carbon dioxide and that is a bad thing to our environment. Quang Duc Temple also stated Australian environmentalists have urged Australian to switch to solar energy as a renewable energy source for a clean environment.

Solar installation is on the way to the roof top of the Main Temple building



Solar installation with the help of a crane to reach the roof of a two storeys building



Contact us for details on how to reduce your energy expense to office building

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EXPECTED DAILY OUTPUT OF A 20kWp SOLAR SYSTEM

Expected daily output of this 20kWp solar system is around 75kWh on daily basis. This yield will cover the average Temple's need of energy daily from November to April. And from May to October, it is expected that this solar system bill will be generated a lesser amount of solar energy than spring and summer months of the year.

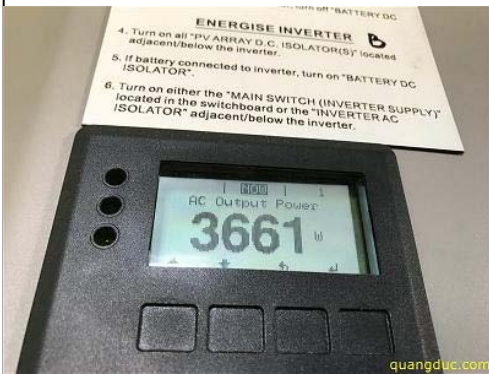
Solar system is installed on the roof top of one of Temple building



Solar system is installed on the side roof top of one of Temple building



The inverter of the 20kWp solar system



Two inverters of the 20kWp solar system



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