

LEADERSHIP IN CLIMATE ADAPTATION

COMMERCIAL – COMMUNITY BUILDING & COMMUNITY KITCHEN

QUANG MINH TEMPLE SUSTAINABILITY PROJECT PLANNING IN 2007

WATER & WASTE AND ENERGY AUDIT

AREA

Venerable Abbot's office room/ Temple/ Reception and Community room/ Computer room and Reception
Community Kitchen/ Eating area/ Restroom 1 and Restroom 2

FOCUS

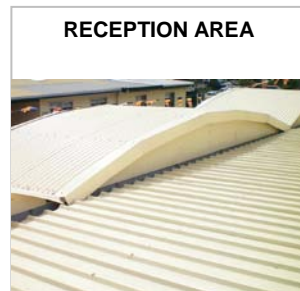
Application of artificial lighting/ Refrigeration cooling systems/ Heating systems/ Water consumption
Organic waste of Community kitchen/ Energy consumption of functional and community activities

EFFICIENT MEASURES TO IMPLEMENTATION

Water – Installation of Water tanks and recirculation pumps to restroom area 1 and area 2
Organic waste of community kitchen – Installation of worm farm composting
Reflective paint helps to reduce the heat absorption through the zincalume roofing

APPLICATION OF REFLECTIVE PAINT TO METAL ROOFS OF RECEPTION & EATING AREA IN 2008

Reflective paint helps to reduce the heat absorption through the zincalume roofing



QUANG MINH TEMPLE RETROFIT LIGHTING PLAN STARTED IN 2013 TO PRESENT

EFFICIENT MEASURES TO IMPLEMENTATION

Replace Inefficient lighting application to appropriate LED lighting source to

A – SMALL TEMPLE

Eating area 1 & 2 – Exterior pathway– Parking area 1 – Interior Ceiling light

B – NEW TEMPLE

Front yard of new Temple - Front door entrance

Replace Metal Halide 150 Watts with LED HI BAY 60 Watts



Contact us for details on how to reduce your energy expense to office building
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COMMERCIAL – COMMUNITY BUILDING & COMMUNITY KITCHEN

QUANG MINH TEMPLE 40kWp SOLAR ENERGY SYSTEM STARTED IN 2015

CARBON FOOTPRINT REDUCTION MEASURES TO IMPLEMENTATION

The planning to reduce carbon footprint was initiated in 2007, in conjunction with a strategic solution to financial capacity and budget expenditure for future need in meeting the growth of members the community. The aim was to integrate initially a mixed source of clean energy to the site such as a small scale residential wind turbine, and a midsize solar energy system. Throughout the course of development of may setbacks, barriers, persistence, and tenancy in the past eight years, solar system is likely to be the most feasible clean energy source to Quang Minh Temple's scope of works.

In early 2015, a commercial 40kWp solar panel system has been installed.

This is an investment with multiple benefits to

- [1] carbon footprint reduction
- [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 growth of members of the community
- [5] reduction of energy bill to the operation cost of the community services
- [6] a healthy living to all members of a diverse community

40kWp SOLAR PANELS



ARRAYS OF SOLAR PANELS
CLOSE-UP



SOLAR PANELS TO THE COMMUNAL
AND EATING HALL ROOFTOP



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