

CITY OF PORT PHILLIP

South Melbourne Market

LOCAL GOVERNMENT SECTOR

PROJECT COMMENCED SEPTEMBER 2012

Small and Mid scale Photo Voltaic Solar (PV) is being adopted by more clients as a way to reduce their peak load energy demand (which is what your tariff is based on) and reduce the overall energy consumption of a facility.

We are currently delivering the first stage, a 34 Kw PV solar system, for City of Port Phillip on a new roof being constructed over the roof top car park at South Melbourne Market.

The grid connected system will consist of approx 136 x 250 w monocrystalline panels and is self-cleaning, includes a data logger and display panel located within the market area. This is just a small percentage of the proposed panels for the roof, which when completed could be in excess of 1,000 panels.

This initial project also attracted 604 Small Scale Technology Certificate (STC) each certificate equal to approximately 1mwh of renewable energy and a market value of between \$20-\$40 per STC.



322-326 COVENTRY STREET
SOUTH MELBOURNE, VICTORIA



THE SOLUTION

- NuGreen Solutions was engaged by the builder to supply, install, commission and connect a 34kw solar system
- We reviewed the performance brief and proposed a suitable system which will be progressively added to over time. The system is grid connected and enables the market to reduce their peak load demand and reducing their overall energy consumption and costs.
- The roof design pitch of approx. 25° has considered solar panel installation and orientation therefore eliminating the need for adjustable angle brackets, the overall design is optimised for the correct solar orientation of the site.

THE BENEFITS

- Reduced peak load energy demand
- Reduced carbon emissions
- Reduced energy consumption and costs
- Self cleaning and maintenance free solution
- Efficient design and upgradable system
- Long term warranty