

Renewable Energy and Environmentally Sustainable Design Case Studies

50 Lonsdale Street – High Rise PV

Site: 50 Lonsdale Street, Melbourne CBD

Dates:

- Design Phase Commencement: February 2005
- System Commissioned: February 2006

Client:

Developer for government offices including Department of Human Services (DHS)

Project Goals:

Design and install of a 4kWp PV system on a new inner city high-rise building.

Project Features:

4kWp System oriented to the north, which required offset from building orientation.

Building located on north-eastern edge of CBD, so relatively few external shading issues.

Conduit was laid before top slab was poured.

We had to have the proposed position of the satellite dishes moved to prevent shading over the solar panels.

We also needed to ensure clearance of the solar panels from the window cleaning hoist.

Project Team:

- Stephen Ingrouille, Principal, Going Solar
- Warwick Johnston, Project Engineer, Going Solar
- Lachlan Bateman, Project Engineer, Going Solar
- Steve Cook, Accredited Installer

Further Information:

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PV panels on the roof showing cast shadow



PV panels on the roof (detail)



PV panels on the roof showing mounting frames



Inverters