



## Building Services

# Requirements for the Installation of Solar Water Heating

### Application for a Building Consent

A Building Consent application form is available from the Palmerston North City Council (PNCC) Customer Service Centre, the Manawatu District Council (MDC) Customer Service Centre or from the PNCC and MDC Web Sites ([www.pncc.govt.nz](http://www.pncc.govt.nz) and [www.mdc.govt.nz](http://www.mdc.govt.nz)).

The application form must be completed in full and be accompanied by two copies of the following information before it may be accepted. Plans and specifications must be drawn to a drafting standard, to scale and show full construction/plumbing detail.

### Information Required:

- Proof of Ownership – Certificate of Title or Sale and Purchase Agreement.
- Site plan including dimensions showing the location of the solar panel.
- The manufacturer's installation detail and specifications, including the design calculations and Producer Statement for the model of solar unit being installed.
- Where a new hot water cylinder is to be installed with the solar unit, a floor plan showing the location of the cylinder is required.
- Where the solar unit includes water storage on the roof, information showing structural suitability for the additional loading to the roof.
- Fixing and flashing detail for the solar panel to the roof, framing and all penetrations.
- Type of material for piping between the solar panel and hot water cylinder, including compliance with New Zealand Building Code (NZBC) Clause H1, Energy Efficiency (polybutylene is not acceptable for this application).
- Smoke detectors must be fitted in the dwelling if they are not already fitted and their location (existing or new) must be shown on the floor plan.
- Full detail of the tempering of hot water in accordance with NZBC Clause G12 Water Supplies must be shown.
- Plans must show that the installation complies with the NZ Building Code Clauses B1, B2, E2, F7, G12 and H1.

### Fees

The fee, as detailed in the Fees and Charges schedule, is required with the application. In some circumstances (for example where Engineer checking is required) a balance of fees may be payable when the consent is picked up.

### Installation

Installation of a potable water system may only be done by a licensed plumber.

For further information you may contact a Plumbing and Drainage Officer at the Council office during normal working hours.