

**LURP ACTION 46 – AMENDMENTS TO PLWRP AND VARIATION 1
TO PROVIDE FOR DISTRICT HEATING AND COOLING SCHEMES**

Understanding the amendments

The deletions to be made are shown in strike through and bold, while the additions are in underline and bold. Text before a changed provision and text after a changed provision is indicated by the use of “(...)”.

Amend the proposed Land and Water Regional Plan (pLWRP) by inserting the following two rules into Sections 9.5 of the pLWRP

Rule 9.5.13

The non-consumptive taking and using of groundwater for district heating or cooling schemes, and the associated discharge to groundwater, is a permitted activity provided the following conditions are met:

- 1. The take and discharge is located within the area bounded by Moorhouse Avenue, Fitzgerald Avenue, Bealey Avenue, Harper Avenue and Deans Avenue; and**
- 2. The take shall only be from a bore or bores screened at a depth of no less than 30 metres and no more than 100 metres; and**
- 3. The discharge shall only be to the Riccarton gravel aquifer being the first gravel aquifer encountered below 20 metres;**
- 4. The discharge is only groundwater abstracted under this rule; and**
- 5. Prior to the first abstraction of groundwater, the direct cumulative interference effect is classified as being acceptable as determined in accordance with Schedule 12, except that for the purposes of this condition "direct cumulative interference effect" includes those effects on any existing authorised or permitted takes; and**
- 6. The discharge from the heating and cooling scheme does not result in any loss of operational efficiency in any temperature sensitive bore that existed prior to the time the discharge first commences; and**
- 7. Monthly records of the temperature and rate of water abstraction and water discharge, measured in accordance with the Resource Management (Measurement and Reporting of Water Takes) Regulations 2010, are retained and supplied to the Canterbury Regional Council upon request; and**
- 8. A record of the modelling undertaken in accordance with condition 5 is retained and provided to Canterbury Regional Council upon request; and**

9. The Canterbury Regional Council is advised in writing of the installation of any district heating or cooling scheme prior to the commencement of any take or discharge associated with that scheme.

For the purposes of this rule "district heating or cooling scheme" means a system that abstracts and discharges groundwater for the purposes of heating or cooling residential developments comprising three or more residential units, or any commercial or industrial development.

Rule 9.5.14

The non-consumptive taking and use of ground water for district heating or cooling schemes, and the associated discharge to groundwater that does not meet one or more of the Conditions in Rule 9.5.13 is a discretionary activity.