

# Fictional Geothermal Installations Pty Ltd.

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## Certificate of ground source heat pump specifications for the purpose of Building Sustainability Index (BASIX) in New South Wales

This certificate lists the specifications of the ground source heat pump installed in the address indicated below (Item 1). This certificate is to be issued after the ground source heat pump is installed and commissioned on site.

As advised by the NSW Department of Planning & Environment that administers BASIX, this certificate must be attached with the BASIX certificate corresponding to the same address in the application for an Occupation Certificate.

1. Address of installation: \_\_\_\_\_

\_\_\_\_ Lot 1, Assessment Access, Sydney NSW 2000 \_\_\_\_\_

2. Ground source heat pump specifications:

Type of installed system:

Closed loop (water sourced, or systems that utilize refrigerant in ground loop)

Direct exchange

Make and model: \_\_\_\_ GroundEasy Technology, XYZ-123B \_\_\_\_\_

Heating:

Annual average coefficient of performance (COP) [unit: W/W]

Design COP: \_\_\_\_ 4.5 \_\_\_\_\_ Commissioned COP: \_\_\_\_ 4.25 \_\_\_\_\_

Cooling:

Annual average energy efficiency rating (EER) [unit: W/W]

Design EER: \_\_\_\_ 4.5 \_\_\_\_\_ Commissioned EER: \_\_\_\_ 4.25 \_\_\_\_\_

Attached design report?  YES, dated \_01/07/2014\_\_\_\_\_  NO

Attached commissioning report?  YES, dated \_01/07/2014\_\_\_\_\_  NO

**3. Ground source heat pump connections:**

|  |  |   |
|--|--|---|
| Ground source heat pump connected to:                |  |   |
| <input checked="" type="checkbox"/> Living area only | <input type="checkbox"/> Bedroom(s) only | <input type="checkbox"/> Whole of house |
| Connecting to a hydronic system?                     | <input checked="" type="checkbox"/> YES  | <input type="checkbox"/> NO             |
| Hot water pre-heating with desuperheater?            | <input type="checkbox"/> YES             | <input checked="" type="checkbox"/> NO  |
| As a primary hot water system?                       | <input checked="" type="checkbox"/> YES  | <input type="checkbox"/> NO             |

**4. Details of the ground-loop installer:**

Name/company: \_\_\_\_\_XYZ Drilling Pty Ltd.\_\_\_\_\_

Accreditation body (if any): \_\_\_\_\_Unreal Organisation on Heat Pumps\_\_\_\_\_

Accreditation membership number (if applicable): \_\_\_\_\_12345\_\_\_\_\_

**5. Declaration by the representative of the ground source heat pump supplier or installer:**

I, \_\_\_\_\_John Citizen, Principal Engineer\_\_\_\_\_

certify that all the information contained in this certificate is true and accurate.

Signature: \_\_\_\_\_*P Smith*\_\_\_\_\_

Date: \_\_\_\_\_15/07/2014\_\_\_\_\_