

<b>Title</b>	<b>Demonstrate knowledge of water consumption and water conservation</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of water consumption, and water conservation.
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<b>Classification</b>	Water Industry > Water Reticulation
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<b>Available grade</b>	Achieved
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### Explanatory notes

- 1 Legislation and references relevant to this unit standard include: Health Act 1956, Health and Safety at Work Act 2015, Local Government Act 2002, and subsequent amendments;  
*Water Meter Code of Practice* (2003) available from [www.waternz.org.nz](http://www.waternz.org.nz);  
NZS 9201.7:2007 *Model general bylaws - Water supply*, and NZS 4404:2010 *Land Development and Subdivision Infrastructure*, available from <http://www.standards.govt.nz>;  
*Drinking Water Standards for New Zealand 2005 (Revised 2008)*, Ministry of Health, Wellington.
- 2 Definition  
*Water reticulation* – in this context refers to all pipe systems, pumping systems, and components that contribute to the distribution of water.
- 3 Evidence is required for local examples where applicable. The candidate will identify which local area they are providing evidence for.

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### Outcomes and evidence requirements

#### Outcome 1

Demonstrate knowledge of water consumption.

#### Evidence requirements

- 1.1 Typical water consumption is described and compared in terms of volume.  
Range urban, rural, industrial.

1.2 Typical water consumption is described in terms of daily and seasonal variations.

Range urban, rural, industrial.

1.3 Typical water consumption for a local area specified by the candidate is described in terms of daily and seasonal variations.

## Outcome 2

Demonstrate knowledge of water conservation.

### Evidence requirements

2.1 Water conservation is described in terms of the reasons for its implementation.

2.2 Water conservation is described in terms of the practices used and the situations for which they are most suited.

Range pressure reduction, water restrictions, water metering, pro-active leak detection, public education.

2.3 Water conservation measures for a local area specified by the candidate are described.

<b>Planned review date</b>	31 December 2021
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### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 October 2005	31 December 2016
Rollover and Revision	2	20 February 2009	31 December 2016
Rollover and Revision	3	21 July 2011	31 December 2018
Review	4	16 March 2017	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

### Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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### **Comments on this unit standard**

Please contact the Infrastructure Industry Training Organisation [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.