

Title	Demonstrate knowledge of resource efficiency and cleaner production initiatives		
Level	5	Credits	20

Purpose	<p>This unit standard is for people working in business or government whose role it is to promote, support, and encourage the implementation of sustainable management practices and cleaner production.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of the development of resource efficiency and cleaner production initiatives; and explain requirements for maintaining resource efficiency and cleaner production programmes.</p>
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Classification	Zero Waste > Zero Waste Theory and Practice
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Available grade	Achieved
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Guidance Information

- 1 References relevant to this unit standard include but are not limited to:
The New Zealand Waste Strategy: Reducing Harm, Improving Efficiency 2010
Ministry for the Environment, available at <http://www.mfe.govt.nz>.
- 2 Definitions
Cleaner production is defined by United Nations Environment Programme as: 'the continuous application of an integrated preventive environmental strategy to processes, products, and services to increase overall efficiency, and reduce risks to humans and the environment. Cleaner Production can be applied to the processes used in any industry, to products themselves and to various services provided in society'.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the development of resource efficiency and cleaner production initiatives.

Performance criteria

- 1.1 Development is explained in terms of policy and planning.
- Range planning – legislation, objectives, targets, environmental management programmes, communication, operational control.
- 1.2 Systems for examining current practices are described in terms of identifying areas for beneficial change.
- Range outline – structure, representation, responsibility; benefits – economic, environmental, social; evidence is required of three systems.
- 1.3 Development is described in terms of identifying issues that block or complicate progress and recommending solutions.
- Range issues for one of – business, industry, industry sector, community.
- 1.4 Government policies for cleaner production are identified and requirements for their implementation are outlined in accordance with legislation and *The New Zealand Waste Strategy*.
- 1.5 Cooperative initiatives between local and regional government and business groups are identified and outlined in terms of encouraging resource efficiency and supporting cleaner production in a region.
- Range initiatives – sharing of information, incentive, guideline, tool provision, certification system, penalty.
- 1.6 Markets for recycled and/or reusable materials are identified and recommendations are made in terms of strategies for developing the market.
- Range market may include but is not limited to – local, national, overseas; evidence is required of two materials.
- 1.7 The implementation of a cleaner production initiative is explained in terms of required levels of training, awareness, and competence.
- Range required by one of – industry, industry sector, region.
- 1.8 The implementation of a resource efficiency and/or cleaner production initiative is explained in terms of identifying and explaining requirements for resource collection, sorting, handling, and storage.
- Range required by one of – industry, industry sector, region.

Outcome 2

Explain requirements for maintaining resource efficiency and cleaner production programmes.

Range programmes – government, business, industry, community; evidence is required of two types of programme.

Performance criteria

2.1 Requirements are explained in terms of monitoring and measurement.

Range includes but is not limited to – regularity of checks, data verification.

2.2 Requirements are explained in terms of maintaining competence.

Range includes but is not limited to – education, training, availability of information.

2.3 Requirements are explained in terms of provision for programme review and improvement.

Range may include but is not limited to – corrective action, preventative measure, monitoring.

2.4 Requirements are explained in terms of documentation.

Range includes – measurement, verification, programme audit, reporting.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 January 2007	31 December 2025
Rollover and Revision	2	28 March 2019	31 December 2025
Review	3	27 February 2025	31 December 2025

Consent and Moderation Requirements (CMR) reference

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.