



Australian Government

Department of Education, Employment and Workplace Relations

LGAPLEM501A Achieve an efficient and sustainable use of natural resources

Revision Number: 2

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Modification History

LGAPLEM501A Release 2: Layout adjusted.

LGAPLEM501A Release 1: Primary release.

Unit Descriptor

This unit covers identifying, implementing and monitoring strategies for sustainable resource use.

Application of the Unit

This unit supports the attainment of skills and knowledge required for competent workplace performance in councils of all sizes. Knowledge of the legislation and regulations within which councils must operate is essential. The unique nature of councils, as a tier of government directed by elected members and reflecting the needs of local communities, must be appropriately reflected.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency

Performance criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Assess resource availability	1.1 Data on <i>resources</i> where council can influence use are identified and collated in a comprehensive manner. 1.2 Targeted resources are defined in-house and/or in the local government area by type, amount and degree of availability.
2 Assess current resource utilisation	2.1 Reliable measurable indicators of resource utilisation are identified to provide data on resource consumption. 2.2 Measurement is undertaken accurately and comprehensively. 2.3 Comparisons are made against identified practice from a variety of sources and accepted standards of performance.
3 Develop strategies for efficient resource usage	3.1 The potential for efficient resource usage is identified. 3.2 A practical feasibility analysis is carried out on opportunities and options for minimisation in the local context. 3.3 Strategies are selected and prioritised based on effectiveness, efficiency and availability of resources. 3.4 Personnel responsible for strategy implementation are identified. 3.5 Strategies are presented at appropriate organisational level for endorsement and are referred to appropriate personnel for implementation.
4 Monitor and review effectiveness of ways to reduce resource usage	4.1 Regular data is collected and analysed to provide accurate measures of performance. 4.2 Comparisons are made with strategy objectives to <i>assess</i> effectiveness. 4.3 Changes to implementation strategy are made as required in a timely manner to ensure outcomes are achieved or alternatives are introduced. 4.4 Information obtained during monitoring and review is used to develop new strategies that are based on accumulated knowledge and experience. 4.5 Information is shared on a regular basis with other councils and relevant agencies.

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit

Required Skills

- data gathering
- analytical
- budget cycle
- program planning, review and monitoring
- evaluation processes
- presentation

Required Knowledge

- environmental issues
- principles of ecologically sustainable development
- impacts on the environment of overuse of resources
- state of the environment reports
- relevant legislation
- available resources
- minimisation of resource usage
- community needs and expectations
- regulations, standards and policies
- training requirements
- community information
- community demographics
- council policies and protocols

Evidence Guide

Overview of assessment requirements	A person who demonstrates competency in this unit will be able to perform the outcomes described in the Elements to the required performance level detailed in the Performance Criteria. The knowledge and skill requirements described in the Range Statement must also be demonstrated. For example, knowledge of the legislative framework and safe work practices that underpin the performance of the unit are also required to be demonstrated.
Critical aspects of evidence to be considered	<p>Comprehensive data of local relevant resources.</p> <p>Relevant data gathered from a variety of sources.</p> <p>Analysis of data to indicate options for sustainable use of resources.</p> <p>Evidence of consultation with appropriate stakeholders to gain support for identified strategies.</p> <p>Clear and accessible reports that provide practical strategies.</p> <p>Evidence of review and monitoring of strategies.</p> <p>Material prepared and disseminated to community and other stakeholders.</p>
Context of assessment	On the job or in a simulated work environment.
Method of assessment	<p>The following assessment methods are suggested:</p> <ul style="list-style-type: none">• observation of the learner performing a range of workplace tasks over sufficient time to demonstrate handling of a range of contingencies• written and/or oral questioning to assess knowledge and understanding• completion of workplace documentation• third-party reports from experienced practitioners• completion of self-paced learning materials including personal reflection and feedback from trainer, coach or supervisor
Evidence required for demonstration of consistent performance	Evidence will need to be gathered over time across a range of variables.
Resource implications	<p>Access to natural resources which form the focus of the assessment, including:</p> <ul style="list-style-type: none">• water• land• soil• rock• air.

- Access to previously collected data from sources including:
- surveys
- government reports
- academic research
- the Internet

Range Statement

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

Resources may include:

- water
- energy
- timber
- soil, sand and rock
- ores
- air

Assessment may include:

- audits, such as energy audits
- surveys

Information may include:

- Internet information
- state of the environment reports
- new technology developments related to sustainability
- results of monitoring and research

Unit Sector(s)

Planning