



**Australian Government**

**AHCAGB508 Improve agricultural  
sustainability using renewable energy and  
recycle systems**

**Release: 1**

# AHCAGB508 Improve agricultural sustainability using renewable energy and recycle systems

## Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

## Application

This unit of competency covers the development of planning strategies to address sustainability issues, using renewable energy sources and opportunities to recycle products, improve the efficiency of the business and reduce off-site impacts from the production system.

It will involve working in a safe manner and applying sustainable renewable energy systems to rural, regional and local conditions. All work must be carried out to comply with workplace procedures, work health and safety legislation and codes, and sustainability practices.

This unit is applicable to a person who has role in the management of the following land based business:

- Agricultural related industries
- Production Horticulture
- Agro-Forestry

This unit will require the consultation with external experts such as alternative energy consultants and suppliers of alternative energy equipment, planning authorities, State and Federal Government Departments who administer subsidies and provide advice.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil.

## Unit Sector

Agribusiness (AGB)

## Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Identify opportunities to reduce greenhouse gas emissions and use recycling	<p>1.1 Identify areas of each enterprise to improve efficient use of energy and cost savings to work practices, using renewable energy resources, recycling products and other ways to reduce greenhouse gas emissions.</p> <p>1.2 Identify available government subsidies for the implementation of strategies using renewable energy or recycling and potential cost savings to the business in the longer term.</p> <p>1.3 Identify the specified standards of quality, licensing, regulatory requirements, government legislation and safety issues for the introduction of any renewable energy resources and recycled products</p> <p>1.4 Identify potential income earnings capabilities to business by on selling energy excesses or recycled products.</p> <p>1.5 Measure improvement outcomes from the introduction of renewable energy sources and recycling products in relation to achieving greater sustainability.</p> <p>1.6 Identify and conduct risk assessment for work health and safety hazards</p>
2. Develop strategies to reduce greenhouse gas emissions and use recycling	<p>2.1 Develop strategies to apply principles of sustainability to address greenhouse gas emissions from using renewable energy resources, recycled products and improved work practices.</p> <p>2.2 Estimate plant, material, labour and other associated costs in consultation with appropriate person(s) or organization(s).</p> <p>2.3 Develop a budget for estimated plant, material, labour and other associated costs</p> <p>2.4 Develop effective work plan strategies for the introduction of renewable energy resources and recycled products.</p> <p>2.5 Investigate sources and availability of materials and human resources needed to complete work plan</p> <p>2.6 Develop risk management strategies including contingencies to maintain supply to contract on time and incorporate into the plan.</p> <p>2.7 Develop work health and safety risk control measures and establish procedures</p>
3. Implement strategies to reduce greenhouse gas emissions and use recycling	<p>3.1 Implement and monitor the plan for renewable energy and recycling products to ensure on time supply of plant and materials.</p> <p>3.2 Monitor the progress of strategies to reduce greenhouse gas emissions and recycling against schedule, quality requirements</p>

Element	Performance criteria
	and budget. 3.3 Identify unplanned events and deal with safely and effectively, consistent with regulatory requirements and enterprise policy. 3.4 Review plan against required inputs and make adjustments to rectify any anomalies to meet and supply contractual arrangements on time. 3.5 Monitor work health and safety risk control measures and procedures and implement changes 3.6 Evaluate the improvement outcomes and document appropriate corrective action taken with a view to improvement.

## Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

## Unit Mapping Information

New unit - equivalent to VBP477 Improve agricultural sustainability using renewable energy and recycle system/s

## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>