



**Australian Government**

**AHCAGB515 Develop sustainable  
agricultural practices that utilise renewable  
energy and recycling systems**

**Release: 1**

# AHCAGB515 Develop sustainable agricultural practices that utilise renewable energy and recycling systems

## Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.

## Application

This unit of competency describes the skills and knowledge to develop planning strategies to address sustainability issues, using renewable energy and opportunities to recycle products, and reduce the impact of waste from the production system.

This unit applies to those who manage land-based businesses and are required to consult with external experts such as alternative energy consultants and suppliers of alternative energy equipment, planning authorities, and government departments who administer subsidies and provide advice.

The work involves 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.

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

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify opportunities to use renewable energy	1.1 Identify areas of enterprise where renewable energy, recycling products or improving work practices could be utilised to reduce

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>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 generated 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 Conduct risk assessment for work health and safety hazards associated with renewable energy and recycling initiatives</p>
2. Develop strategies to use renewable energy	<p>2.1 Develop strategies to reduce greenhouse gas emissions and use 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 or organisation</p> <p>2.3 Develop a budget for estimated plant, material, labour and other associated costs</p> <p>2.4 Develop work plan 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 and deliver 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 use renewable energy	<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 and budget</p> <p>3.3 Review plan against required inputs and rectify any anomalies to</p>

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	meet and supply contractual arrangements on time 3.4 Monitor work health and safety risk control measures and procedures and implement changes 3.5 Evaluate the improvement outcomes and document appropriate corrective actions

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

Skill	Description
Reading	<ul style="list-style-type: none"> <li>Access, interpret and analyse complex information about renewable energy systems and recycling</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCAGB515 Develop sustainable agricultural practices that utilise renewable energy and recycling systems	AHCAGB508 Improve agricultural sustainability using renewable energy and recycle systems	Title updated Elements updated Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

