



Australian Government

UEERE0087 Provide basic sustainable energy solutions for energy management in residential premises

Release: 1

UEERE0087 Provide basic sustainable energy solutions for energy management in residential premises

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

This unit replaces and is not equivalent to UEERE0021 Provide basic sustainable energy solutions for energy reduction in residential premises. Modifications include:

- Unit title changed
- Unit application updated
- Significant amendments made to Elements and Performance Criteria
- Range of conditions updated
- Significant amendments to Performance and Knowledge Evidence
- Assessment conditions updated.

Application

This unit involves the skills and knowledge required to provide sustainable energy solutions for energy management in residential premises.

It includes preparing for and conducting monitoring of energy usage, analysing data from monitoring, and providing solutions for energy management. It also includes completing monitoring activities and reporting.

This unit is intended as an entry level introduction to energy efficiency principles through completing a basic energy efficiency assessment and compiling recommendations for potential energy management solutions.

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

Pre-requisite Unit

Not applicable

Competency Field

Renewable Energy

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Prepare to monitor energy usage

- 1.1** Determine purpose, scope and nature of monitoring activities
- 1.2** Monitoring activities are, planned in accordance with stakeholder expectations and site requirements
- 1.3** Relevant work health and safety (WHS)/occupational health and safety (OHS) policies and workplace procedures are identified and applied
- 1.4** Relevant personnel are consulted to ensure work is coordinated effectively with others
- 1.5** Equipment and materials required for monitoring are identified, obtained and checked in accordance with requirements

2 Undertake monitoring of energy usage and provide solutions for energy management

- 2.1** Monitoring activities are conducted in accordance with requirements without damage or disruption to the surrounding environment or services
- 2.2** An energy use, loss and generation inventories are compiled from monitoring activities
- 2.3** Monitoring data is collated, analysed, compared against baseline, and performance determined in accordance with industry practice/standards
- 2.4** Energy performance is considered against installed equipment, appliance use and site conditions
- 2.5** Relevant Government initiatives are identified and considered in development of recommendations
- 2.6** Energy management recommendations are determined based on analysis, and documented including justification for, and potential benefits from, each recommendation
- 2.7** Energy management recommendations are provided to stakeholders, options discussed, and agreed

recommendation/s confirmed

- 2.8** Final recommendations are documented including implementation advice

Foundation Skills

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

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is not equivalent to UEERE0021 Provide basic sustainable energy solutions for energy reduction in residential premises.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>