



Australian Government

UEERE0020 Promote sustainable energy practices in the community

Release: 1

UEERE0020 Promote sustainable energy practices in the community

Modification History

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

Application

This unit involves the skills and knowledge required to promote sustainable energy practices in the community.

It includes identifying and promoting sustainable energy practices to others in the community.

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

Elements describe the essential outcomes.

1 Identify sustainable energy practice

PERFORMANCE CRITERIA

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

- 1.1** Work activities are identified, planned and sequenced to ensure work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace policies and procedures are followed
- 1.2** Relevant person/s is consulted to ensure work is coordinated with others

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| | 1.3 | Materials are obtained and checked in accordance with workplace procedures and to comply with job requirements |
| | 1.4 | Work activities are determined from job requirements |
| | 1.5 | Materials necessary to complete work are obtained in accordance with workplace procedures and checked against job requirements |
| 2 Promote sustainable energy practice | 2.1 | WHS/OHS policies and procedures for undertaking administrative functions are followed |
| | 2.2 | Work activities are performed in accordance with job requirements and workplace procedures without damaging the surrounding environment or services |
| | 2.3 | Unplanned events are responded to in accordance with workplace procedures and approval of authorised person/s |
| | 2.4 | Approval is obtained in accordance with established procedures from appropriate person/s before contingencies are implemented |
| | 2.5 | Quality checks of work are undertaken in accordance with workplace procedures |
| 3 Complete the promotion of sustainable energy | 3.1 | Documentation/reports are completed to ensure promotional activity requirements are met |
| | 3.2 | Work completion is communicated to relevant person/s in accordance with workplace procedures |

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.

Promoting sustainable energy practices in the • appliances

community must include at least one of the following disciplines:

- business equipment
- computers
- data communications
- electrical
- electrical machines
- electronics
- fire protection
- instrumentation
- refrigeration and air conditioning
- renewable/sustainable energy
- security technology

Unit Mapping Information

This unit replaces and is equivalent to UEENEEK114A Promote sustainable energy practices in the community.

Links

Companion Volume implementation guides are found in VETNet - -

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

Assessment Requirements for UEERE0020 Promote sustainable energy practices in the community

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least one occasion and include:

- applying sustainable energy practice in the community
- dealing with unplanned events
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements
- checking work quality
- completing the promotion of sustainable energy
- determining location of work activities
- documenting promotional work activities after completion
- identifying and promoting sustainable energy practices
- obtaining and checking materials using sustainable energy practices.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- greenhouse reduction strategies, including:
 - greenhouse gas emissions profile encompassing:
 - goals and principles of the National Greenhouse Strategy (NGS)
 - what a greenhouse gas inventory is, why it is required, and the sectors to which it applies
 - uses to which the National Greenhouse Gas Inventory can be applied
 - climate change and its impacts encompassing:
 - the possible impact of climate change in Australia
 - techniques for improving the understanding of climate change
 - techniques for communicating to and educating the general public on greenhouse gas induced climate change
- partnerships for greenhouse action encompassing:

- actions achievable by each level of government to implement the NGS
- methods by which the community activity can be engaged in the reduction of greenhouse gas emissions
- initiatives that can be undertaken by the private sector to reduce greenhouse gas emissions
- advantages of international partnerships
- emissions trading system
- efficient and sustainable energy use and supply encompassing:
 - techniques for reducing the greenhouse intensity of energy supply
 - types of renewable energy (RE) sources suitable for use in Australia
 - methods and technique for improving end-use efficiency
- efficient transport and sustainable urban planning encompassing:
 - how integrating land use and transport planning can assist the greenhouse problem
 - how each of the following can be used to mitigate greenhouse gas; travel demand and traffic management strategies; encouraging greater use of public transport, walking and cycling; freight and logistics systems; improving vehicle fuel efficiency and fuel technologies
- greenhouse sinks and sustainable land management encompassing:
 - how enhancing greenhouse sinks and encouraging sustainable forestry and vegetation management can complement the AGS
 - how greenhouse gas emissions are obtained from agricultural production and describe techniques to mitigate the emissions
- models of greenhouse best practice in industrial processes and waste management encompassing:
 - types and methods of reducing greenhouse gas emissions from industry
 - methods of reducing methane emissions from waste treatment and disposal
- adaptation to climate change encompassing:
 - salient points in each of the key sectors that require analysis and the strategies required in the need for adaptation to climate change
- quality assessments
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant promotional materials
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- sustainable energy principles and practices.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training

Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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