



Australian Government

UETTDREL11 Apply sustainable energy and environmental procedures

Release: 1

UETTDREL11 Apply sustainable energy and environmental procedures

Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package.

Application

This unit involves the skills and knowledge required to apply sustainable energy and environmental procedures in the electricity supply industry (ESI).

It includes the implementation of environmental procedures to specific projects/sites, the identification of possible environmental risks and impacts, and the undertaking of work in accordance with sustainable energy and energy conservation principles.

It also includes the provision of recycling materials; the recording and reporting of environmental incidents; and the process of reviewing, participating in and contributing to environmental procedures in accordance with the workplace.

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace.

Other conditions may apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

There are no prerequisite competencies to this unit.

Competency Field

Entry Level Cross Discipline

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Prepare to implement environmental and sustainable energy procedures

- 1.1** Works schedules, construction plans, drawings, workplace procedures and material lists are received and confirmed
- 1.2** Job requirements and workplace procedures are identified and communicated with relevant personnel
- 1.3** Work health and safety (WHS)/occupational health and safety (OHS) and workplace procedures for implementing environmental and sustainable energy procedures are obtained and confirmed for the purposes of the work to be performed
- 1.4** Environmental and sustainable energy procedures are identified and consulted with relevant personnel for completion within acceptable timeframes and in accordance with workplace procedures
- 1.5** Hazards are identified, WHS/OHS risks assessed and control measures identified in accordance with workplace procedures
- 1.6** Relevant work permits are obtained, understood and signed in accordance with workplace procedures
- 1.7** Plant, equipment, tools and personal protective equipment (PPE) required for work are identified, obtained and confirmed in working order
- 1.8** Worksite is prepared to minimise risk, damage to property, commerce and individuals in accordance with workplace procedures

2 Apply environmental and sustainable energy procedures

- 2.1** WHS/OHS, sustainable energy and environmental principles and practices are monitored and followed to reduce incidents in accordance with workplace procedures
- 2.2** Power tools/equipment techniques and practices are followed in accordance with environmental and sustainable energy procedures
- 2.3** Relevant environmental procedures are applied to specific projects/worksites
- 2.4** Principles of sustainable energy and energy conservation are applied to work in accordance with workplace

procedures

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| 3 Complete environmental and sustainable energy procedures | <p>2.5 Recycling and/or reuse of materials is applied to work site, as required</p> <p>2.6 Unplanned events in the implementation of environmental and sustainable energy practices are responded to in accordance with workplace procedures</p> <p>2.7 Quality checks of work are undertaken in accordance with workplace procedures</p> <p>3.1 Completed work is checked against work plan, construction plans and drawings for compliance and anomalies are reported in accordance with workplace procedures</p> <p>3.2 WHS/OHS and environmental incidents are reported in accordance with workplace procedures, as required</p> <p>3.3 Worksite is rehabilitated, cleaned up and made safe in accordance with environmental and sustainable energy procedures and workplace procedures</p> <p>3.4 Tools, equipment and surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with environmental and sustainable energy procedures and workplace procedures</p> <p>3.5 Relevant work permits are signed off and environmental risks/incidents and potential impacts are reported and recorded in accordance with workplace procedures</p> <p>3.6 Work records, reports and/or documentation are completed in accordance with workplace procedures</p> |
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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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETTDREL11A Apply sustainable energy and environmental procedures.

Links

UET Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>

Assessment Requirements for UETTDREL11 Apply sustainable energy and environmental procedures

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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 and performance criteria on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including the use of risk control measures
- applying sustainable energy principles and practices
- completing environmental management documentation using all of the following:
 - environmental risk assessment
 - legislative requirements
 - sustainable energy principles and practice
- dealing with unplanned events on at least one (1) occasion.

Knowledge Evidence

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

- environmental standards, codes, environmental legislation, supply authority regulations and/or enterprise requirements applicable to the control of environment associated with the worksite, including:
 - relevant federal legislation
 - relevant state/territory legislation
 - relevant local government by-laws
 - relevant government or quasi government policies and regulations
 - relevant community planning and development agreements - land care agreements
- employer and employee responsibilities
- methods of obtaining information on environmental issues and updates
- methods of identifying environmental impacts from work-related activities
- meaning of environmental terms, including:
 - identification, assessment and control of risks
 - compliance

- best practice
- sustainable energy
- procedures in implementing management plans to ensure compliance
- methods of obtaining updated environmental information and data sheets on the proper use and handling of equipment and materials
- WHS/OHS legislation, hazardous substances/dangerous goods regulations; and enterprise requirements applicable to environmental care when handling materials, including provision of manufacturer and supplier information, such as material safety data sheets (MSDS)
- types and application of personal protective equipment (PPE) used for hazards substances and dangerous goods
- techniques in handling equipment to eliminate/reduce risks to the environment from spillages of oils, herbicides, pesticides and chemicals from such equipment, including:
 - vehicle loading crane
 - chainsaw
 - enterprise vehicles
 - explosive power tools
- procedures for handling and control of spillages of herbicides
- methods of disposing and storage of herbicides, pesticides, oils and chemicals
- methods of cleaning mobile plant, equipment and tools
- emergency procedures for spillages of oil to reduce risks to the environment, including:
 - methods of cleaning up excessive spillages
 - methods of protection to surrounding environment
 - procedures for notification of relevant personnel and authorities
 - recording procedures
- recording of data.

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 conditions involving realistic and authentic activities that replicate operational 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, facilities, equipment and PPE currently used in

industry for applying sustainable energy and environmental procedures

- applicable documentation, including workplace procedures, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

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