



Australian Government

**UEERE0013 Develop strategies to address
environmental and sustainability issues in
the energy sector**

Release: 1

UEERE0013 Develop strategies to address environmental and sustainability issues in the energy sector

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 develop strategies to address environmental and sustainability issues in the energy sector.

It includes determining, developing and documenting environmental and sustainability issues strategies in the energy sector.

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 Determine environmental and sustainability issues

PERFORMANCE CRITERIA

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

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) processes and workplace procedures for a given work area are identified, obtained and applied
- 1.2** Hazards are identified, WHS/OHS risks are assessed, and control measures and workplace procedures are

- implemented in preparation for work
- 1.3** Scope of the environmental and sustainability issues are determined from performance specifications, situation reports and in consultation with relevant person/s
 - 1.4** Activities are planned to meet scheduled timelines in consultation with person/s involved in the work
 - 1.5** Strategies are determined, and solutions developed and implemented in accordance with workplace procedures
- 2 Develop environmental and sustainability strategies**
- 2.1** WHS/OHS risk control measures and workplace procedures for carrying out work are followed
 - 2.2** Environmental sustainability principles are applied to develop strategies to address greenhouse gas and sustainability issues
 - 2.3** Parameters, specifications and performance requirements in relation to environmental and sustainability issues are determined in accordance with workplace procedures
 - 2.4** Resolving environmental and sustainability issues is analysed to provide most effective solutions
 - 2.5** Unplanned events are dealt with safely and effectively in accordance with regulatory requirements and workplace policies
 - 2.6** Quality of work is monitored in accordance with performance agreement and/or workplace procedures or industry standards
- 3 Document environmental and sustainability strategies**
- 3.1** Strategies to resolve environmental and sustainability issues are tested to determine their effectiveness and modified, as required
 - 3.2** Adopted strategies are documented and instructions for implementation and risk control measures developed
 - 3.3** Competent person/s required to implement strategies to environmental and sustainability issues are identified and coordinated in accordance with regulatory requirements and workplace policies
 - 3.4** Justification for strategies used to address environmental and sustainability issues is documented and included in

work/project records in accordance with relevant industry standards

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.

Addressing environmental and sustainability issues must include the following:

- developing engineering strategies for at least two energy sector problems

Typical sustainability issues are those encountered in meeting sustainability performance standards and must include at least the following:

- reducing needs for energy use
- reducing causes of greenhouse gas emissions
- revising energy system operating parameters
- dealing with energy system efficiencies

Unit Mapping Information

This unit replaces and is equivalent to UEENEEK132A Develop strategies to address environmental and sustainability issues in the energy sector.

Links

Companion Volume implementation guides are found in VETNet - -

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