



Australian Government

MSS405087 Investigate energy management as a business issue

Release: 1

MSS405087 Investigate energy management as a business issue

Modification History

Release 1. New unit.

Application

This unit describes the skills and knowledge required to identify the business context for energy management, research the energy management framework and determine broad potential opportunities for a business.

This unit applies to operational and technical specialists, managers or similar who use critical thinking and communication skills to research energy management. Energy management responsibilities may be part of a broader work role or a primary job role. In some cases, the individual may work as an external advisor.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Sustainable Operations

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 business context for energy management	1.1 Identify how and where energy is used in the organisation and the impact on carbon emissions 1.2 Determine key drivers of energy costs from business information 1.3 Identify key energy market and technology trends that impact the organisation 1.4 Identify the current policy and regulatory context for energy management
2. Research the energy management framework	2.1 Review the current international standard for energy management and the key requirements of an energy management system 2.2. Assess the potential impact and relevance of the standard for

Elements	Performance Criteria
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	business operations and establish the current status of the organisation in relation to energy management 2.3 Identify the relationship between energy management and other energy-related concepts and how this impacts operations
3. Determine relevance of energy management to the organisation	3.1 Identify and distill key energy management information relevant to the organisation 3.2 Use information to generate discussion about energy management opportunities 3.3 Identify and document broad energy performance opportunities and risks of inaction

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Reading skills to interpret varied and unfamiliar information
- Oral communication skills to articulate and discuss potentially complex energy management concepts
- Numeracy skills to interpret business financial information to identify energy costs
- Technology skills to research information using digital media

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

Unit Mapping Information

No equivalent unit.

Links

MSS Sustainability Companion Volume Implementation Guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>

Assessment Requirements for MSS405087 Investigate energy management as a business issue

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- investigated and reported on the status and broad potential of energy management in at least 1 organisation, area of operation or process.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- energy management key concepts and principles
- the different ways organisations use energy
- key drivers of business energy costs
- current and emerging energy trends:
- management systems
- market
- technologies and their comparative carbon emissions
- renewables
- storage
- current and emerging public policy context for energy management in the context of the organisation
- regulatory environment and requirements
- key features and requirements of ISO 50001 Energy Management Systems, its key stages, and related management system approaches
- relationship between energy management and other energy-related concepts, including:
- efficiency
- carbon emissions and the concept of fuel switching
- sustainability
- how to identify potential energy management opportunities for organisations
- risk identification and management.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
- information about organisation operations
- current and relevant information technology.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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