



Australian Government

Assessment Requirements for CPCCB5012 Manage the application and monitoring of energy conservation and management practices and processes

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Modification History

Release 2 Updated reference to general construction induction training program.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCBC5012A Manage the application and monitoring of energy conservation and management practices and processes.
Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by developing, implementing and monitoring effective energy conservation and management action plans and strategies for one building and construction project.

In doing this, the candidate must:

- research current trends in energy conservation and management
- monitor and record effectiveness, efficiency and compliance of the organisation's standards and identify areas for improvement
- conform to relevant environmental and sustainability legislation, regulations and requirements.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- environmental and sustainability requirements
- development, application and monitoring of energy conservation plans:
 - gathering and evaluating formal or informal information and data
 - researching current energy conservation trends and factors
 - energy management practices and methodologies
 - conformance, milestones and performance targets
- energy data-gathering systems:
 - reports from suppliers
 - scheduled management meetings and briefings
 - statistical and analytical data supporting energy objectives

- feedback from authorities
- spot checks on aspects of energy management process
- benchmarking and best practice:
 - comparison of current, previously established and external energy conservation and management plans
 - costs associated with optimum environmental conformance
 - performance indicators against energy management objectives
 - performance measuring against industry, local authority, regulatory or international standards
 - energy targets, electrical power usage, fuel usage, heat loss and thermal efficiency
 - statistics of measurements from start, ongoing and at conclusion
- organisational policies and practices supporting energy conservation and management.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment can be undertaken in the workplace or in a simulated workplace environment.

A simulated environment is one that realistically replicates workplace conditions, materials and equipment, interactions with others and workplace irregularities, and which meets industry standards for safety and environmental practices.

Candidates must have access to:

- environmental legislation, regulations and local jurisdictional requirements
- government building legislation
- organisational energy data and costs and product manufactures energy specifications
- building and environmental codes and standards
- business equipment and technology, applications and software to facilitate effective management of environmental practices and processes in building and construction.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>