



Australian Government

CPCCB6010 Plan, develop and implement building and construction energy conservation and management processes

Release: 2

CPCBC6010 Plan, develop and implement building and construction energy conservation and management processes

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 CPCBC6010A Plan, develop and implement building or construction energy conservation and management practices and processes. Change to title. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to develop, plan and implement practices and processes concerning energy conservation and management practices of organisations involved in either residential or commercial projects. It includes the establishment of management strategies focused on reducing energy waste through greater awareness and the implementation of practices which result in savings both within and external to the organisation.

This unit of competency applies to builders, project managers and related construction industry professionals who take responsibility for their own output when managing conservation practices and processes on construction projects.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Building and Construction

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 | Develop strategies for management of energy conservation. | 1.1 | Quantify and qualify factors to be included in the organisational energy conservation and management system. |
| | | 1.2 | Evaluate strategic factors that impact on the organisation's ability to improve energy conservation and management practices and processes. |
| | | 1.3 | Quantify range and scope of activities being undertaken by the organisation in regard to energy conservation and management. |
| | | 1.4 | Evaluate previous policies and operational factors contributing to energy conservation and management. |
| | | 1.5 | Develop organisational energy conservation and management policy and strategy, with assessment of savings and benefits to be derived. |
| 2 | Scope the energy conservation management principles and processes. | 2.1 | Consult board and senior management concerning the introduction and implementation of the energy conservation and management policy and strategy. |
| | | 2.2 | Develop organisational policy and management guidelines covering energy conservation and management within and external to the organisation. |
| | | 2.3 | Develop and document strategic plans for the introduction of the policy and strategy. |
| | | 2.4 | Brief staff on criteria for implementing and maintaining systems concerned with energy conservation and management. |
| | | 2.5 | Develop methods to gather and monitor energy conservation and management information essential to the management process. |
| | | 2.6 | Develop methods to translate the policy into on-site and organisational practices. |

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| 3 Implement the energy conservation and management system. | 3.1 | Build energy conservation and management instructions into organisational operating procedures. |
| | 3.2 | Introduce a staff training program to ensure that energy conservation and management practices are applied to organisational activities on a daily basis. |
| | 3.3 | Introduce methods for determining effectiveness of the energy conservation and management system. |
| | 3.4 | Establish and maintain routine monitoring of energy benchmarks. |
| 4 Manage the organisational energy conservation processes. | 4.1 | Add energy conservation and management issues to the process agenda at all levels of the organisation. |
| | 4.2 | Advise contractors and employees of the framework and monitor their performance within the framework. |
| | 4.3 | Circulate policy guidelines and obligations within the organisation and obtain sign-off by staff, employees and contractors. |
| | 4.4 | Monitor staff compliance with energy conservation and management policy. |
| 5 Implement an energy management feedback system. | 5.1 | Develop and introduce processes to monitor and report on energy conservation and management achievements. |
| | 5.2 | Develop, circulate and maintain feedback systems to ensure all stakeholders can support the energy conservation and management process. |

Foundation Skills

As well as the foundation skills explicit in the performance criteria of this unit, candidates require:

- communication skills to:
 - explain technical concepts and explore solutions to complex energy and conservation management issues
 - brief and train staff, and consult with board members and senior management
- technology skills to:

- use digital tools and devices to communicate and collaborate effectively with others
- use equipment and programs to access, extract information and complex data to analyse for strategic purposes.

Unit Mapping Information

Supersedes and is equivalent to CPCCB6010A Plan, develop and implement building or construction energy conservation and management practices and processes.

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>

Assessment Requirements for CPCBC6010 Plan, develop and implement building and construction energy conservation and management processes

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Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by developing, implementing and maintaining an energy conservation and management system for a building and construction organisation.

In doing this, the candidate must:

- contribute to creating an energy conservation culture and an energy conservation management strategy which result in compliance with environmental guidelines and organisational objectives
- establish identifiable roles and responsibilities for organisation personnel involved in the strategy
- communicate verbally and in writing with senior management, employees, clients, regulatory authorities and legal representatives.

Knowledge Evidence

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

- operational issues and factors that may impact on energy conservation and practices:
 - public liabilities and exposure to risk
 - risk management strategies and policies
 - skills and experience of organisational personnel
 - structure of the management team and apportionment of responsibilities
 - timing of activities and project deadlines
 - types of materials and consumables being employed in the process
- energy conservation principles and practices:

- qualified personnel to deal with energy issues
- expenditures for energy management compliance
- expert advice as required by the organisation or project
- compliance with appropriate legislation and regulations
- periodic review and preventative maintenance for energy conservation and management practices and processes
- financial and business administration principles commensurate with organisational needs
- key factors influencing decision making:
 - location and type of building/construction project
 - extent and types of equipment being operated
 - location and nature of the construction activity
 - organisational policy and practices
 - scope of operations and activities of an organisation
 - operational factors
- legislative, regulatory and administrative obligations incumbent on the building and construction industry for energy conservation and management practices.

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:

- relevant and current government building legislation, codes and standards
- environmental and sustainability legislation, regulations and guidelines
- project plans, specifications and manufacturer and supplier product and services specifications
- organisational policies, procedures and other quality documentation to undertake the performance criteria and assessment requirements
- business equipment and technology, applications and software to facilitate effective development, implementation and management of energy conservation management processes and practices.

Links

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