Draft 0.1

This is our work-in-progress update to CPCCBC6010A Plan, develop and implement building or construction energy conservation and management practices and processes: https://training.gov.au/Training/Details/CPCCBC6010A.

We are working with industry experts to ensure the updated unit:

- meets current and anticipated industry needs
- complies with current Standards for Training Packages
- is written in clear understandable English.

Information on our training package review and development process is available here: http://www.artibus.com.au/project-stage.

Summary of changes from current endorsed unit

Re-templated to meet Standards for Training Packages 2012.

Sequenced Elements and Performance Criteria.

Specified what and how performance is demonstrated in Performance Evidence.

Captured critical Range Statement items and included industry relevant knowledge in Knowledge Evidence.

Stated mandatory conditions and specific requirements for assessment.

CPCCBC6010
Plan, develop and implement building or construction energy conservation and management practices and processes

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 supports the establishment of a management philosophy 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 large construction projects.

Prerequisite Unit

Nil.

Unit Sector

Construction.

Elements and Performance Criteria

1. Develop philosophies and 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 organisational 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 policy 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 plan 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.
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 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:

- oral communication skills to:
  - explain technical concepts and explore solutions to complex workplace issues
- 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 equivalent to CPCCBC6010A Plan, develop and implement building or construction energy conservation and management practices and processes.

Links

Companion Volume Implementation Guide: to be added.

Assessment Requirements for CPCCBC6010 Plan, develop and implement building or construction energy conservation and management practices and processes

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by developing, implementing and maintaining the energy conservation and management system for a high rise Type A building.

In doing this, the candidate must:

- contribute to creating an energy conservation culture and an energy conservation management strategy which results 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 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 of performance must be undertaken in the workplace or in a simulated workplace environment.

Candidates must be provided with:

- relevant and current government building legislation, codes and standards
- environmental and sustainability legislation, regulations and guidelines
- project plans, specifications and manufacturer's instructions
- organisational policies and procedures and workplace safety requirements
- sufficient equipment and materials to facilitate manage and apply building codes and standards to low rise construction project.

Links

Companion Volume Implementation Guide: to be added.