



Australian Government

Assessment Requirements for AMPMGT506 Manage utilities and energy

Release: 2

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Modification History

Release	Comments
Release 2	This version released with AMP Australian Meat Processing Training Package Version 6.0.
Release 1	This version released with AMP Australian Meat Processing Training Package Version 1.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has, on at least one occasion:

- analysed utility or energy tariffs and charges, and options available to the enterprise
- calculated and analysed enterprise utility or energy costs and their impact on production costs
- consulted with personnel across the enterprise to identify and resolve utility or energy waste problems
- determined current and future utility or energy requirements for enterprise operations, including analysing company goals, conducting utility or energy audits to identify consumption inefficiencies, and measuring consumption and cost, including waste, against agreed benchmarks
- developed performance measures and indicators for utility or energy consumption and costs, based on benchmarks and enterprise goals
- developed strategies for minimising and optimising utility or energy usage, including assessing and monitoring equipment performance, introducing energy efficient plant and equipment, comparing sources and recommending utility or energy substitution, changes to procedures, and assessing and minimising non-working-day use of utilities (including lighting)
- evaluated, costed and recommended alternative plant, equipment, procedures and utility or energy sources to improve efficiency, including researching sources, reviewing enterprise procedures, evaluating suitable alternatives and calculating initial and maintenance costs and payback periods
- identified and applied relevant workplace health and safety requirements
- included safety requirements for use of utility or energy in workplace health and safety systems and procedures

- interpreted and reviewed performance information, and recommended strategies for improvement
- prepared contingency plans relating to utility or energy supply failures or incidents, including emergency and safety procedures, alternative supply sources and communication strategies
- prepared strategies to spread utility or energy use to avoid supplier peak demand or cost periods
- prepared reports, resource proposals and recommendations in styles, formats and language appropriate for relevant audiences
- presented reports according to legal and enterprise requirements
- recommended utility or energy suppliers and negotiated supply and costs
- researched best practice models in utility or energy assessment, planning, use and sustainability, and assessed their applicability for the enterprise
- used information and communications technology, including budget and cost modelling software.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and methods of heat transfer and how they impact on utility or energy use, waste and cost
- concepts of base load and variable load
- principles of demand control, including co-generation or outage, peak load shedding and shifting to minimise costs
- use of steam generation process as an energy source for plant
- cost components related to the use of utility or energy, including capital, purchase, replacement and maintenance costs for plant and equipment, payback periods and net utility or energy costs
- enterprise-appropriate procedures and systems for measuring utility and energy use and waste
- utility or energy supply status and sources available to the enterprise.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a meat industry workplace or an environment that accurately represents workplace conditions
- specifications:
 - access to workplace documents such as policies, procedures, processes, forms.

A minimum of three different forms of assessment must be used.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5e2e56b7-698f-4822-84bb-25adbb8443a7>