



Australian Government

Assessment Requirements for CPPHES4005 Assess household energy use and efficiency improvements

Release: 2

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Modification History

- Release 2 This version first released with CPP Property Services Training Package Release 14.0.
- Updated reference to reflect correction in Modification History from CPC Property Services 5.0 to CPP Property Services 9.0.
- Release 1 This version first released with CPC Property Services Training Package Release 5.0.
- Supersedes and equivalent to CPPHSA4001A Assess household energy use.
- Updated to meet the Standards for Training Packages.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by safely conducting energy use assessments and identifying efficiency improvements for three different households.

Knowledge Evidence

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

- alternative energy production and storage technologies applicable to residential buildings
- energy ratings and power consumption of common household appliances
- energy types and units of measurement
- hazards and risks and types of personal protective equipment (PPE) to be used when conducting on-site assessments of household energy use
- key requirements of relevant codes, standards, regulations and government incentive programs for household energy efficiency
- major systems and other sources of household energy use:
 - cooking
 - refrigeration
 - washing and drying
 - home entertainment and home office equipment
 - heating and cooling
 - internal and external appliances
 - lighting
 - swimming pools and spas

- water heating
- water pumps
- methods for interpreting household energy bills:
 - actual and estimated bills
 - plans
 - tariffs
- strategies for improving household energy efficiency including impact of building shell on heating/cooling energy use, upgrade options and behavioural changes
- trends in energy use and emissions
- types and uses of energy measuring tools.

Assessment Conditions

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

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to:

- residential buildings to allow achievement of the performance evidence
- codes, standards, legislation and government programs relevant to energy efficiency
- manufacturers' product information on domestic appliances, water heating systems, heating and cooling systems, lighting and electronic products
- technical information on energy production and storage technologies
- personal protective equipment and energy measurement and data collection tools and documentation.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>