Assessment Requirements for CPPHES4005 Assess household energy use and efficiency improvements

# Modification History

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| 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>