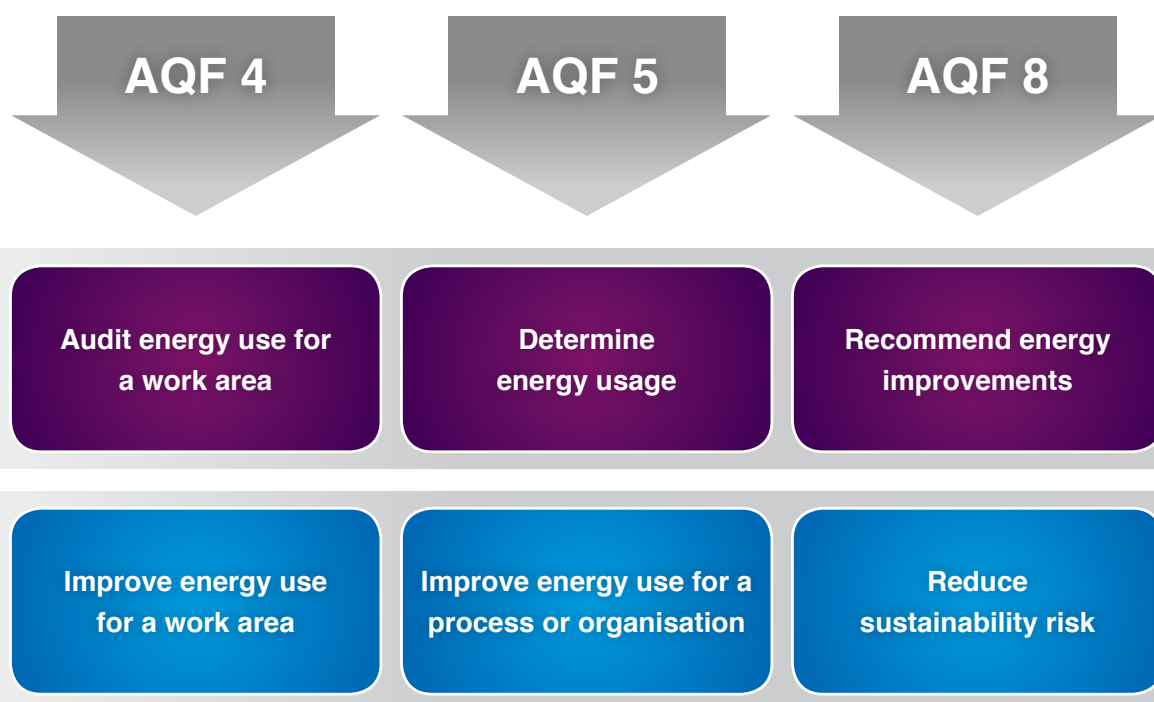# Energy Efficiency Skills Sets and resources

Energy is a significant cost for most businesses and energy efficiency skills are becoming essential for most managers and supervisors. The Energy Efficiency Skill Sets provide a framework for the skills, knowledge and performance required to achieve specific workplace outcomes for energy efficiency.

Businesses can use the Skill Sets to make their internal training and performance management systems more energy focused.

Registered Training Organisations can use the Skill Sets as targeted training and assessment programs for businesses who want to improve their energy efficiency. The RTO can issue a nationally recognised Skill Set to successful candidates comprising units of competency from the Sustainable Operations qualifications in the MSS11 Sustainability Training Package.

About the Skill Sets

The Energy Efficiency Skill Sets target six key skill areas for improving energy efficiency within a business. They provide a framework for the skills and knowledge needed for measuring and calculating energy use, prioritising and implementing efficiency improvements and monitoring the effect of changes. These skills are typically applied at team leader/supervisor level through to technician and management levels in a business.

	AQF 4	AQF 5	AQF 8
Measurement and Recommendations…	Audit energy use for a work area	Determine energy usage	Recommend energy improvements
Decisions and Implementation…	Improve energy use for a work area	Improve energy use for a process or organisation	Reduce sustainability risk

What are the Skill Sets?

MSS11 SS1 Audit energy usage for a work area (AQF 4)

The skills required to undertake an energy audit for a defined process or a work area and recommend energy improvements based on the audit.

MSS11 SS2 Determine energy usage (AQF 5)

The skills required to measure and calculate the energy consumption of the whole organisation taking into account carbon 'sinks' such as offsets, sequestration or co-generation. The information is used in decisions about managing energy use.

MSS11 SS3 Improve energy usage for a process or organisation (AQF 5)

The skills required to make energy efficiency improvements that are both strategic and embedded into day-to-day work.

MSS11 SS4 Improve energy usage for a work area (AQF 4)

The skills required to make improvements in a defined work area or process where energy efficiency is a key sustainability issue.

MSS11 SS5 Recommend energy improvements (AQF 8)

The skills required to use mathematics and process data to analyse energy consumption and generation in the organisation and recommend where to target improvements.

MSS11 SS6 Reduce sustainability risk (AQF 8)

The skills required to analyse the sustainability risks in a process and/or value chain and recommend how to reduce those risks.

What are the resources?

The resources will assist Registered Training Organisations to develop resources for energy efficiency training and assessment using the Skill Sets.

The resources include guidance information and online video materials:

- Explanation of the Skill Sets and how they relate to each other

- An online assessment guide for each Skill Set outlining some key required knowledge and how online questions might be used

- Video case studies with real industry examples of energy issues and solutions, showing how the skills can be applied

- Video webinar sessions covering key concepts that underpin the Skill Sets.

The videos can be viewed online or RTOs can choose to link to or embed the videos in their own programs.

The resources will be available free of charge from MSA's Skills for Sustainability website.

http://www.sustainabilityskills.net.au

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