

Sustainable Food Production (SFP)

SFP.125S Promote energy efficiency in food manufacture

Unit Summary

This unit is about developing policy and guidelines to support energy efficiency in food manufacture.

This unit is for you if you work in food and drink operations and your job requires you to have responsibility for improving the efficient use of energy in food manufacture. You may have management responsibilities for an operational team.

Related Units

This is a skill unit and the underpinning knowledge and understanding is set out in:

- FS.108K Principles of energy efficiency in a food environment

You must be able to:	This means you:
a. Establish opportunities for reducing energy consumption	<ol style="list-style-type: none"> 1. Establish current levels of energy usage for activities undertaken by the organisation 2. Identify the legal requirements that control the use of energy 3. Identify opportunities for improving energy efficiency together with the benefits they provide 4. Specify efficiency targets for each area of energy usage 5. Identify potential barriers that may limit energy efficiency 6. Specify the monitoring procedures and their frequency to control energy efficiency 7. Identify opportunities for sourcing low carbon energy
b. Establish methods for improving energy efficiency	<ol style="list-style-type: none"> 8. Advise on the design of processes and products to help minimise energy requirements 9. Promote and support the implementation of efficiency measures for all areas of energy usage 10. Promote the application of low carbon energy in support of organisational activities 11. Define and allocate roles/responsibilities in support of the implementation and management of measures to improve energy efficiency 12. Identify training needs and organise training for those responsible for implementing energy efficiencies 13. Develop and implement strategy to overcome barriers that limit the impact of energy efficiency measures 14. Establish methods to evaluate the impact of energy

	efficiency measures
c. Manage energy efficiency	<p>15. Support the implementation of monitoring and control procedures</p> <p>16. Evaluate impact of measures to improve energy efficiency</p> <p>17. Specify benefits achieved through efficiency measures</p>

Key Words

Barriers	These can be economic, practical, social or legal
Energy efficiency	Can be measured in relation to carbon emissions at any given stage in the production process, energy use per unit output of food.
Activities	Incorporating: purchasing, supply, production, storage, packaging, transport and all aspects of business support.
Roles/responsibilities	For: production staff, product developers, buyers, sales staff, customers and contractors
Low carbon energy	The policies, practices, controls and documentation that ensure the food is safe to eat
Benefits	Social, economic and environmental
Legal requirements	<p>Relevant to:</p> <ul style="list-style-type: none"> The environment including climate change