RAINFOREST ALLIANCE

Chapter 6: Environment

6.8 Energy Efficiency

Why should you think about energy efficiency?

Using **less energy** for the same output and transitioning to **renewable energy** sources are key to making agriculture **more sustainable**.

Energy efficiency can help you **decrease the operational costs** of your farm and mitigate the negative environmental impacts by reducing **greenhouse gas emissions**.

Different types of energy sources

1) Non-renewable energy sources:

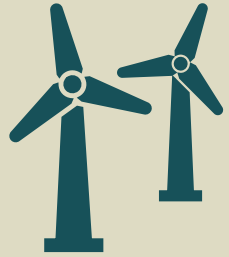
- Limited and will run out
- Include coal, natural gas, petroleum, and nuclear energy

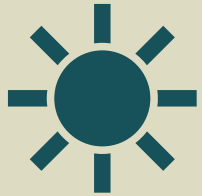
Electricity is often generated by burning fossil fuels. This is bad because it releases greenhouse gases into the atmosphere, which contributes to climate change.

2) Renewable energy sources:

- Naturally replenished on a human timescale
- Include solar, wind, hydro, and biomass energy

Biomass energy is produced from plant or animal materials like corn, sugarcane, woodchips, and cow dung





6.8 Energy Efficiency

No.	Specialized requirement	Group certification			Ind. cert.
		S-farms	L-farms	Group mgt.	S/L
6.8.1	Management documents the types of energy sources and the energy used for production and processing of certified product. This applies to Group Management only if groups use energy for processing. *Please see SA-G-SD-15 Guidance Document N: Energy Efficiency*		✓	✓	✓

Read the requirement and its applicability before you move on to the next page

6.8.1

Management documents the types of energy sources, and the energy used for production and processing

- Identify and document the types of energy sources used for production and processing of the certified product.
- Calculate total energy consumption per kg of product by dividing the total amount of energy used by the total amount of product produced.

By documenting the types of energy sources and the energy used for the production and processing of certified products, **you can gain valuable insights into your energy consumption patterns and identify opportunities for improvement.**

Please see Guidance: Energy Efficiency

Photo credit: Joost Bastmeijer

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