



How EMMA Works

EMMA (Energy and Micro-generator Manager) prevents the unwanted export of electricity produced by your renewable generator, saving you money and reducing your carbon footprint. This leaflet gives a simple explanation of how EMMA works using the following scenarios as examples:

1A: No household demand for electricity. Without EMMA.

1B: No household demand for electricity. With EMMA.

2A: 1 unit household demand for electricity. Without EMMA.

2B: 1 unit household demand for electricity. With EMMA.

2C: 1 unit household demand. With EMMA. No generator output.

This document covers the standard EMMA model. Other models, such as EMMA GVS (Grid Voltage Stabilisation), have additional functions and features.

EMMA... PUTS YOU IN CONTROL

ENERGY AND MICRO-GENERATOR MANAGER

FOR SOLAR PV, WIND & WATER TURBINES

The owner was over the moon when the ESB meter stopped and EMMA started diverting his surplus solar PV power to his hot water and heating systems... in mid-February

Notes

FIT = Feed-In Tariff

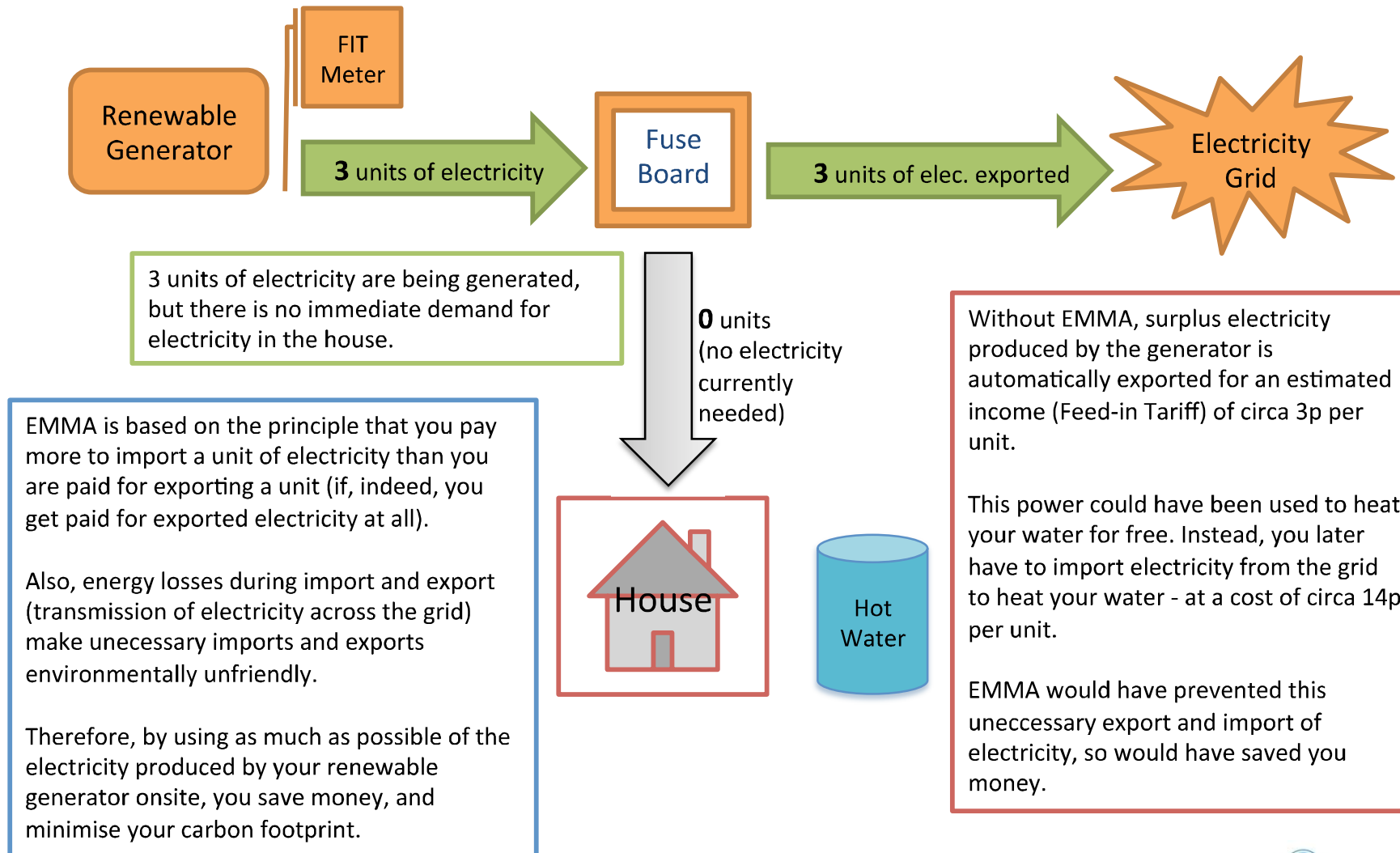
All costs are indicative. The 3p you receive for each unit of exported power is based on estimated FIT rates. However, we are not yet aware of anyone being paid for metered exported power, suggesting that the electricity diverted by EMMA is worth 3p more per unit to you than shown here.

Household electricity needs are separated into House needs (indicated by the House symbol) – including appliances, house alarms, lighting, televisions etc. – and Hot Water needs, indicated by a Hot Water cylinder.

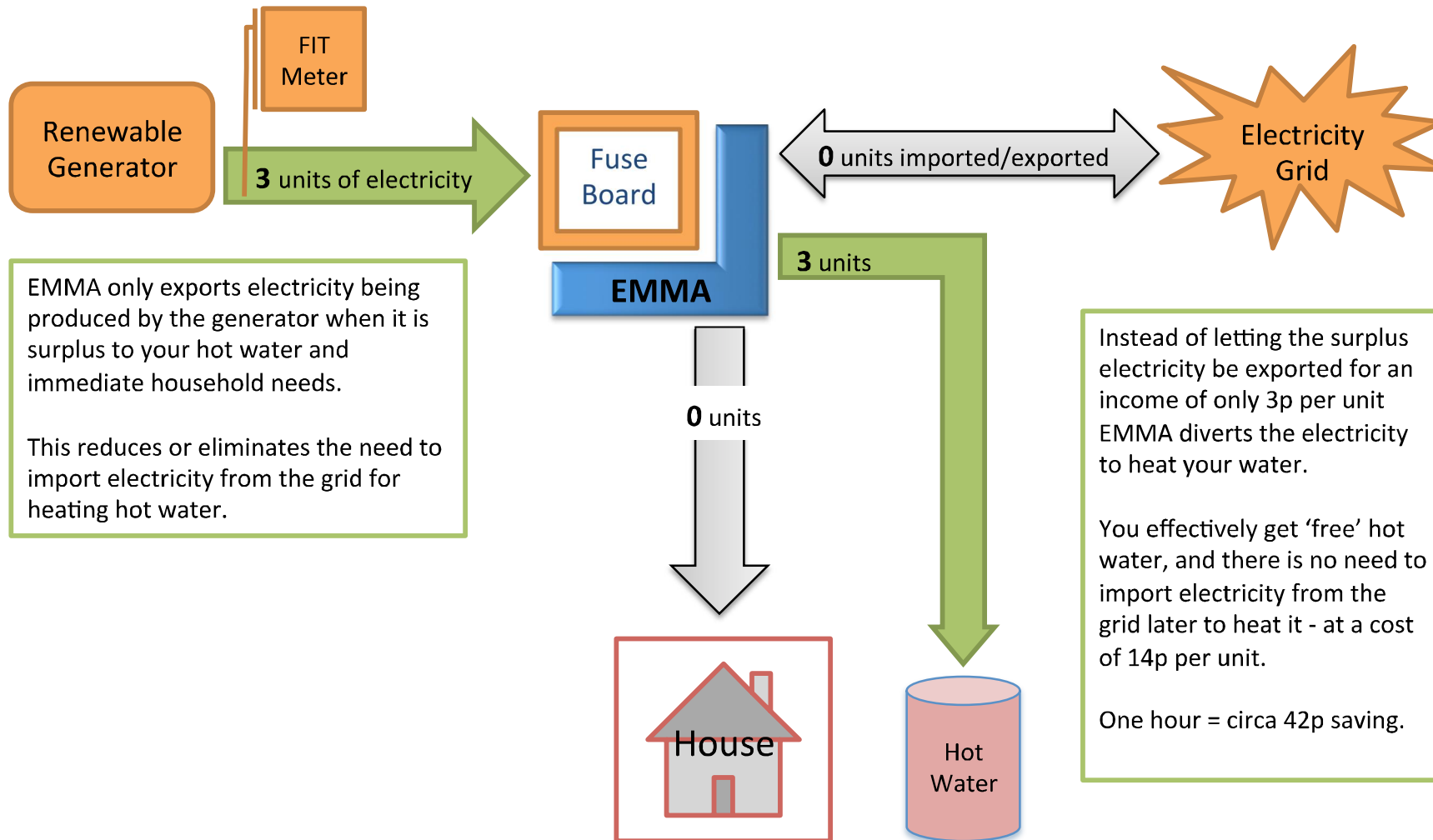
In addition to heating water, EMMA can also direct your surplus electricity to space heating, underfloor heating, storage heaters, charging electric vehicles, multiple immersion heaters etc. as per your preferences.

For more information see www.CoolPowerProducts.com

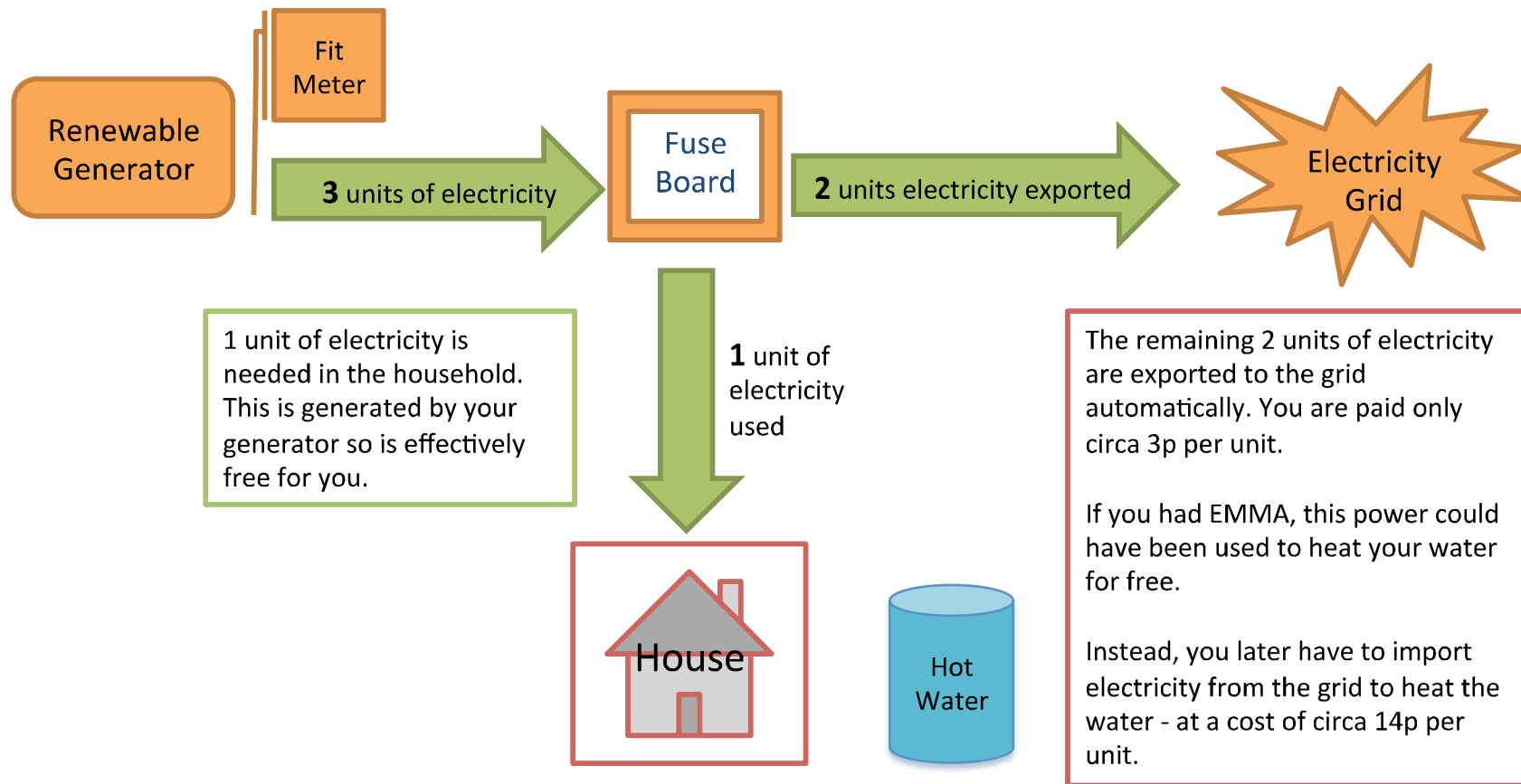
1A: No household demand for electricity. Without EMMA.



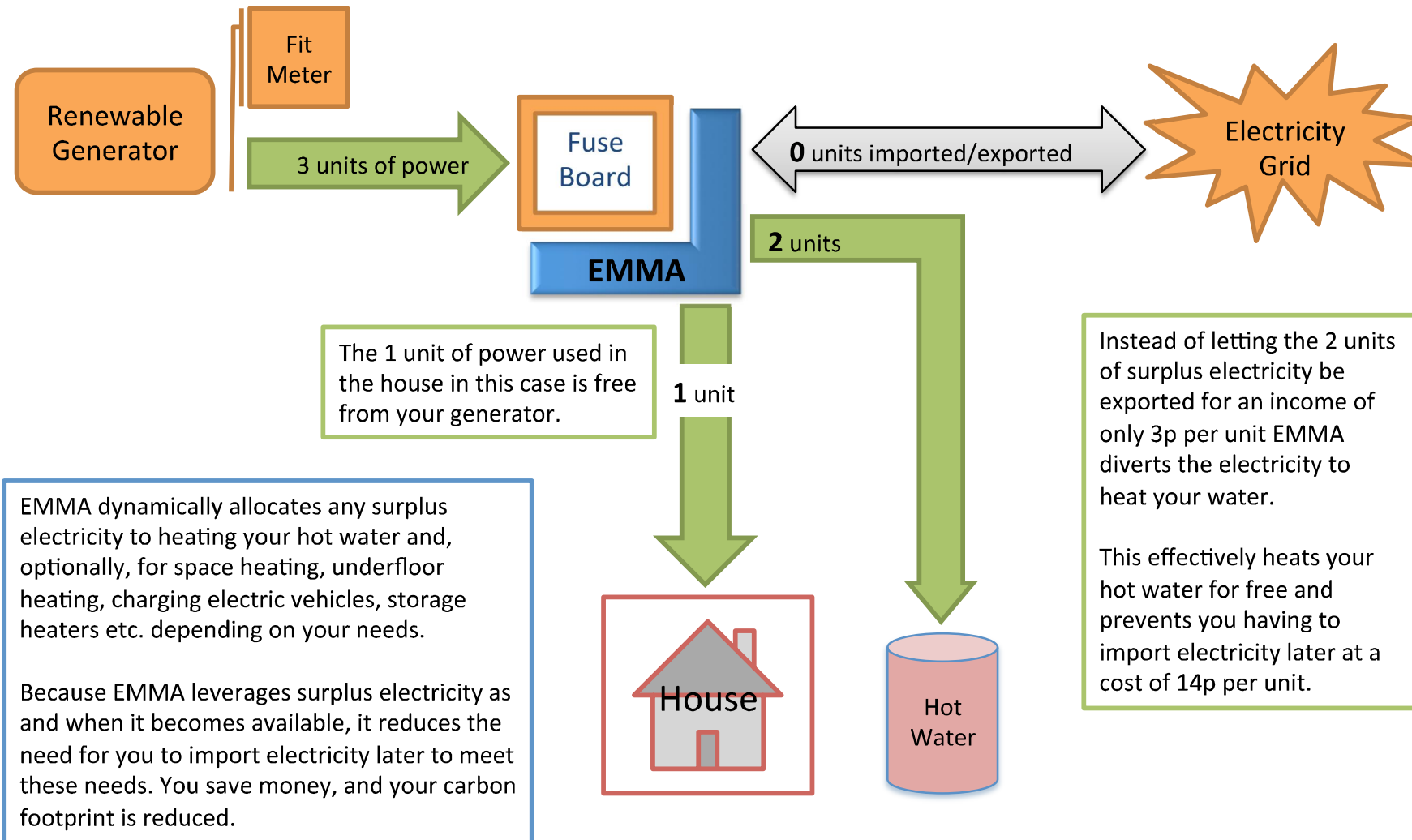
1B: No household demand for electricity. With EMMA.



2A: 1 unit household demand for electricity. Without EMMA.



2B: 1 unit household demand for electricity. With EMMA.



2C: 1 unit household demand. With EMMA. No output from generator.

