

Fact Sheet

Install timers on instant boiling water units

Introduction

Instant boiling water (IBW) units are common additions to lunch rooms around Australia and will use energy to maintain hot water around the clock. An easy way of reducing energy usage and the associated cost is by installing timers to ensure the IBW unit is turned off when hot water is not required.

Situation 1

The existing IBW units in the office and lunch rooms are plugged in and on 24/7. Installing a plug based, 7-day timer and setting the on/off schedule to reflect the usage hours of the unit will reduce the power lost keeping the water hot during out of office hours. Plug based timers can be sourced from most hardware stores.

Potential savings

Purchasing and installing a timer is inexpensive and cost effective.

Electricity savings (kWh p.a.)	600
Cost savings (\$ p.a.)	\$81
Estimated Capex (\$ ex GST)	\$299



Figure 1: Existing IBW unit

Situation 2

The existing IBW units on site have built-in on/off timer which is not being used. Setting the system time and the on/off schedule to reflect operating hours will reduce

unnecessary energy usage. Alternatively, if the timer controls are not functioning, a separate plug in timer can be installed.



Figure 2: Existing IBW unit with on/off timer

Potential savings

Cost saving with no capital expenses.

Electricity savings (kWh p.a.)	500
Cost savings (\$ p.a.)	\$89
Estimated Capex (\$ ex GST)	\$0

Further information

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