

Replace an Inefficient Showerhead with an Efficient Showerhead; Residential or Commercial

Activity No.

WH2

1. Activity Specific Definitions

Inefficient showerhead means a showerhead, in its current use, that has a flow rate greater than 9 litres per minute. (see also section 3 below for details of on-site measurement methods)

Efficient showerhead means a showerhead that achieves a maximum flow rate of a minimum water efficiency rating of 3 stars when assessed and labelled in accordance with AS/NZS 6400

Commercial premises are premises classified under the Building Code of Australia as either Class 3, 5, 6, 7, 8 or 9

2. Activity Description (Summary)

Remove and dispose of existing inefficient showerhead/s from a residential or commercial premises and replace with efficient showerhead/s

3. Activity Eligibility Requirements

1. Premises subject to this activity must contain at least one operational pre-existing inefficient showerhead.
2. The flow rate of each pre-existing showerhead shall be measured with a simple bucket test with the hot water tap open fully and the cold water tap set so as to provide a typical showering temperature (approx. 40C). Hold a bucket under the running shower for 15 seconds. Measure the quantity of water captured and multiply by 4 to ascertain flow rate in litres per minute. The measured flow rate shall be recorded and retained for verification purposes.
3. A maximum of 3 showerheads can be replaced per residential premises.
4. The installation of an efficient showerhead must not be otherwise required by law, for example as condition of a development approval under the *Development Act 1993* or in compliance with requirements under the *Water Industry Act 2012*.

4. Installed Product Requirements

The installed product must be an efficient showerhead, including flow restrictor and any other components integral to and supplied with the fixture that:

1. Complies with the requirements of the effective version of AS/NZS 3662; and
2. Complies with any product safety or other product performance requirements in a relevant code of practice or other relevant legislation applying to the activity.
3. Comes with a minimum 2 year product warranty

5. Minimum Installation Requirements

1. An efficient showerhead which is installed must be tested to ensure it is correctly installed, does not leak, and is operating correctly at a typical showering temperature.
2. An efficient showerhead must not be installed where it would be incompatible with the operation of the hot water service currently installed. Where a replaced showerhead causes the hot water system to no longer operate (i.e. fails to heat water to a standard temperature), the installer must at the request of the householder/business owner install a showerhead of equivalent flow rate and quality of the original showerhead (where available), where such a request is made within 20 business days of the installation of the efficient showerhead.
3. An inefficient showerhead which is replaced must be removed from the premises.
4. The person undertaking this activity must satisfy the REES Code mandatory safety training requirements. Registered Plumbers, Gas Fitters, Electricians and Building Work Supervisors are exempt from this requirement.
5. The activity must be completed and certified in accordance with any relevant code or codes of practice and other relevant legislation applying to the activity, including any licensing, registration, statutory approval, activity certification, health, safety, environmental or waste disposal requirements.
6. All reasonable endeavours should be used to recycle removed showerheads.

6. Activity energy savings

The normalised energy saved per showerhead replaced from undertaking this activity is equal to:

Normalised Energy Savings (GJ)=Savings factors, as per the table below:

Where is the activity undertaken: Climate Zone	Activity	Savings Factor	
		Residential	Commercial
BCA Zones 4 & 5	From inefficient to efficient (7.5 l/min or less)	7.7905	10.3898
	From inefficient to efficient (9 l/min or less)	6.5310	8.71
BCA Zone 6	From inefficient to efficient (7.5 l/min or less)	8.8027	11.7397
	From inefficient to efficient (9 l/min or less)	7.3795	9.8416

7. Guidance Notes (Informative only – not mandatory)

1. Efficient showerheads are typically not compatible with gravity-fed water heaters (most already have low flow rates). They may also not be compatible with older instantaneous gas water heaters (reduced flow can interfere with the water heater operations).