

# Victorian Energy Upgrades Specifications 2018 Version 2.0

## Changes made to the Victorian Energy Upgrades Specifications

### Introduction

The Victorian Energy Upgrades Specifications Version 1.0 (the Specifications) were released in December 2018. Since being released, some minor corrections have been required to be made to the Specifications. This document lists corrections and clarifications included in the Specifications Version 2.0 and the reason for the changes.

### Summary of Main Changes

#### Definitions

- Updated the definitions of *B<sub>s</sub>* and *B<sub>e</sub>* to clarify Zone HP5-Au modelling will be used in the greenhouse gas (GHG) reduction calculation for heat pump water heaters installed in Zone 5 areas.
- Removed the definition for *EEF* and replaced incorrect references to *EEF* with *EER*.
- Replaced the *ESC EN for Annual Solar Energy Calculations* document with the *Water Heating and Space Heating/Cooling Product Application Guide* published by the Essential Services Commission.
- Inserted the definition for *gross thermal efficiency* as per British Standards BS 845-2 or BS 845-1.

#### Water Heating

- Corrected the Auxiliary Energy Factor (AEF) for water heating activities. In the Specifications V1.0, the AEF was not reduced to account for reduced hot water consumption. This error could have caused issues for solar electric and heat pump water heater registrations. This correction will result in a very minor increase in GHG reduction for registrations with auxiliary energy consumption reported.
- Clarified the requirements for heat pump water heater products covered by the transitional provisions in section 44(3) of the Victorian Energy Efficiency Target Regulations 2018. These will be eligible for installation in climatic zone 4 and 5 until 10 June 2020 using the *B<sub>s</sub>*, *B<sub>e</sub>* and minimum annual energy savings from HP4-Au. From 11 June 2020, these products will cease to be approved under the program. All new registrations must provide the *B<sub>s</sub>*, *B<sub>e</sub>* and minimum annual energy savings for both HP4-Au and HP5-Au, and meet the requirements of the Specifications.

#### Weather Sealing

- Corrected the warranty period for weather sealing for products with a warranty of 5 or more years. Products with a warranty of 5 years were incorrectly receiving the GHG reduction for products with a warranty of less than 5 years.

#### Building Based Lighting Upgrade

- Added an allowance to table 34.12 for non-J6 lighting upgrades in unlisted space types to use the building code classifications in table 34.8 to determine operating hours.

#### Gas Activities

- Consistent language used to refer to boiler age in Part 38.
- Clarified that burner replacement must occur in the same boiler.
- Corrected the terminology for total nominal gas consumption and gross thermal efficiency.