

Authorised Version No. 024
Victorian Energy Efficiency Target
Regulations 2008

S.R. No. 158/2008

Authorised Version incorporating amendments as at
1 August 2017

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Part 1—Preliminary

1 Objectives

The objectives of these Regulations are to prescribe—

- (a) activities that result in reduction of greenhouse gas emissions that would not otherwise have occurred if the activities were not undertaken;
- (b) the shortfall penalty rate;
- (c) the method and variables to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by a prescribed activity;
- (d) any other matter or thing authorised or required to be prescribed or necessary to be prescribed for carrying the Act into effect.

Reg. 1(a)
amended by
S.R. No.
146/2011
reg. 5.

2 Authorising provisions

These Regulations are made under section 75 of the **Victorian Energy Efficiency Target Act 2007**.

3 Commencement

These Regulations come into operation on 1 January 2009.

4 Definitions

In these Regulations—

Act means the **Victorian Energy Efficiency Target Act 2007**;

accredited body, in relation to a product,
means a body accredited under the Joint
Accreditation System of Australia and New
Zealand to give product certification or
component certification of a product;

Reg. 4 def. of
Active State
inserted by
S.R. No.
56/2011 reg. 4.

Active State, in relation to a computer, means a
state in which the computer is carrying out
useful work in response to prior or
concurrent—

(a) user input; or

(b) instruction over a network;

Reg. 4 def. of
*AMI metering
installation*
inserted by
S.R. No.
14/2012 reg. 5.

AMI metering installation means a remotely
read interval meter that complies with the
Minimum Functionality Specification
(Victoria) Release 1.1 published by the
Department of Primary Industries in
September 2008;

Reg. 4 def. of
*approved
laboratory*
inserted by
S.R. No.
56/2011 reg. 4.

approved laboratory means a laboratory that is
accredited by the National Association of
Testing Authorities or registered by an
authority recognised by the National
Association of Testing Authorities under a
mutual recognition agreement;

Reg. 4 def. of
*ASTM
F2324-03*
inserted by
S.R. No.
24/2013 reg. 5.

ASTM F2324-03 means ASTM F2324-03 (2009)
'Standard Test Method for Prerinse Spray
Valves' published by ASTM International
in 2009;

B_e means the electrical energy used annually by the parts of a solar or heat pump water heater system that use purchased electrical energy, other than resistive heating units or a heat pump package (consisting of a compressor, integral controls, pumps and fans), measured in MJ/Yr as determined as part of the performance evaluation process in AS/NZS 4234:2008 reissued in November 2011;

Reg. 4
def. of B_e
substituted by
S.R. No.
24/2013
regs 10(a),
15(a).

B_s means the supplementary purchased gas or electrical energy used annually by a solar or heat pump water heater to directly heat the water by a gas burner, electrical resistive heating unit or heat pump package (consisting of a compressor, integral controls, pumps and fans), measured in MJ/Yr as determined as part of the performance evaluation process in AS/NZS 4234:2008 reissued in November 2011;

Reg. 4
def. of B_s
substituted by
S.R. No.
24/2013
regs 10(b),
15(b) (as
amended by
S.R. No.
96/2013
reg. 9).

Building Code means the Building Code of Australia within the meaning of section 3(1) of the **Building Act 1993**;

climatic region, in relation to a geographic area identified by a postcode in column 2 of an item in the Data Table (or, if that area is no longer identified by such a postcode, the postcode in column 2 of an item in the Data Table by which it was last identified), means the climatic region specified in column 5 of that item;

coefficient of performance, in relation to a product, means the ratio of its rated heating capacity to its effective power input at its rated heating capacity;

New reg. 4
def. of
Data Table
inserted by
S.R. No.
127/2010
reg. 5(2).

Data Table means the Table in Schedule 27;

Reg. 4 def. of
daylight-linked control
inserted by
S.R. No.
32/2012 reg. 5.

daylight-linked control means a product that,
using a photoelectric cell, is able to
automatically vary the light output of a light
fitting to compensate for the availability of
daylight;

Reg. 4 def. of
decommission
substituted by
S.R. No.
127/2010
reg. 5(2).

decommission means disable and render
permanently unusable;

Reg. 4 def. of
Data Table
revoked by
S.R. No.
127/2010
reg. 5(3).

* * * * *

Reg. 4 def. of
discount factor
inserted by
S.R. No.
127/2010
reg. 5(1).

discount factor, in relation to a prescribed
activity, is the factor declared under
section 19(4) of the Act as applying to that
activity;

Reg. 4 def. of
*Equipment Energy
Efficiency (E3)
Committee*
inserted by
S.R. No.
127/2010
reg. 5(1).

Equipment Energy Efficiency (E3) Committee
means the Committee responsible for
managing the MCE's Equipment Energy
Efficiency Program;

ESC register means the register kept by the ESC
under regulation 9;

gas reticulated area means a geographical area identified by a postcode in column 2 of an item in the Data Table (or, if that area is no longer identified by such a postcode, the postcode in column 2 of an item in the Data Table by which it was last identified) and specified in column 4 of that item as an area to which gas is reticulated;

Reg. 4 def. of
*gas
reticulated
area*
inserted by
S.R. No.
14/2012 reg. 5.

glazing has the same meaning as in Part 2.6 of the Building Code;

IEC 60034-2-1 means IEC 60034-2-1 'Rotating electrical machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles)' published by the International Electrotechnical Commission on 10 September 2007;

Reg. 4 def. of
IEC 60034-2-1
inserted by
S.R. No.
32/2012 reg. 5.

IEC/TS 60034-31 means IEC/TS 60034-31 'Rotating electrical machines—Part 31: Selection of energy-efficient motors including variable speed applications—Application guide' published by the International Electrotechnical Commission on 26 April 2010;

Reg. 4 def. of
*IEC/TS
60034-31*
inserted by
S.R. No.
32/2012 reg. 5.

install—

- (a) includes modify or replace; and
- (b) in relation to a prescribed activity specified in regulation 6(1)(r), means the purchase of a high efficiency refrigerator or high efficiency freezer evidenced by a written record of the purchase that includes the name and address of the purchaser; and
- (c) in relation to a prescribed activity specified in regulation 6(1)(t), means the purchase of a high efficiency

Reg. 4 def. of
install
amended by
S.R. Nos
127/2010
reg. 5(4),
146/2011
reg. 6(1)(a),
6/2012 reg. 4.

television evidenced by a written record of the purchase that includes the name and address of the purchaser; and

- (d) in relation to a prescribed activity specified in regulation 6(1)(u), means the purchase of a stand alone electric clothes dryer evidenced by a written record of the purchase that includes the name and address of the purchaser;

Reg. 4 def. of
lamp circuit power
inserted by
S.R. No.
32/2012 reg. 5.

lamp circuit power, in relation to a lamp, means—

- (a) the power drawn by the lamp; and
(b) the power losses of any associated ballast or transformer, which are divided equally between the lamp and any other lamps associated with the ballast or transformer;

Reg. 4 def. of
lighting control device
inserted by
S.R. No.
32/2012 reg. 5.

lighting control device means a device that is used to control the lighting output of a light fitting;

Examples

Occupancy sensors, daylight-linked controls, programmable dimmers, manual dimmers and voltage reduction units are lighting control devices.

Reg. 4 def. of
lighting equipment
inserted by
S.R. No.
32/2012 reg. 5.

lighting equipment includes—

- (a) lamps;
(b) T5 adaptors;
(c) light fittings;
(d) lighting control devices;
(e) reflectors;

lighting source efficacy means the initial luminous flux of a lamp or the total radiant flux in the visible spectrum weighted by the spectral response of the eye, divided by the electric power that will be consumed by the lamp but excluding ballast and control gear power losses;

mains power switching device means a relay or other device that switches the power to the controlled appliances on or off;

Reg. 4 def. of *mains power switching device* inserted by S.R. No. 56/2011 reg. 4.

manual dimmer means a product that enables manual control of a light fitting's light output by a dial, slider or other mechanism;

Reg. 4 def. of *manual dimmer* inserted by S.R. No. 32/2012 reg. 5.

master/slave arrangement, in relation to a standby power controller, means an arrangement where the standby power controller is connected to an uncontrolled master appliance, whose current or power is solely used to control the electrical input to controlled appliances connected to the standby power controller;

Reg. 4 def. of *master/slave arrangement* inserted by S.R. No. 56/2011 reg. 4.

MCE has the same meaning as it has in section 3 of the **Electricity Industry Act 2000**;

Reg. 4 def. of *MCE* inserted by S.R. No. 127/2010 reg. 5(1).

metropolitan Victoria means a geographical area identified by a postcode in column 2 of an item in the Data Table (or, if that area is no longer identified by such a postcode, the postcode in column 2 of an item in the Data Table by which it was last identified)

and specified in column 3 of that item as Metropolitan;

MEPS means minimum energy performance standard;

non-gas reticulated area means a geographical area identified by a postcode in column 2 of an item in the Data Table (or, if that area is no longer identified by such a postcode, the postcode in column 2 of an item in the Data Table by which it was last identified) and specified in column 4 of that item as an area to which gas is not reticulated;

Reg. 4 def. of
occupancy sensor
inserted by
S.R. No.
32/2012 reg. 5.

occupancy sensor means a motion sensor that detects occupants and switches up to 6 light fittings on and off accordingly;

Reg. 4 def. of
Off Mode
inserted by
S.R. No.
56/2011 reg. 4.

Off Mode, in relation to a computer, means the lowest power state, of the computer when the computer is switched off by the user, but does not include Sleep Mode;

product includes appliance, equipment and material;

Reg. 4 def. of
programmable dimmer
inserted by
S.R. No.
32/2012 reg. 5.

programmable dimmer means a product that can automatically set a light fitting's light output to pre-selected light levels according to the time of day or input from a photoelectric cell or an occupancy sensor;

R-value means the thermal resistance ($\text{m}^2\text{K/W}$) of a component calculated by dividing its thickness by its thermal conductivity;

regional Victoria means a geographical area identified by a postcode in column 2 of an item in the Data Table (or, if that area is no longer identified by such a postcode, the postcode by which it was last identified) and specified in column 3 of that item as Regional;

register of scheduled activities means the register kept under section 26G of the **Environment Protection Act 1970** as in force immediately before the repeal of that section;

Reg. 4 def. of *register of scheduled activities* inserted by S.R. No. 74/2014 reg. 4.

* * * * *

Reg. 4 def. of *residential customer* revoked by S.R. No. 146/2011 reg. 6(2).

residential premises means a building classified under Part A3 of the Building Code as a Class 1, 2, 3 or 4 building;

scheduled activity premises means—

- (a) the premises at the addresses specified in Column 2 of the Table in Part 1 of Schedule 37; and
- (b) the premises specified in Column 2 of the Table in Part 2 of Schedule 37; and
- (c) the other premises in relation to which there was, on 29 June 2014, an entry on the register kept under section 26G of the **Environment Protection Act 1970** as in force immediately before that day;

Reg. 4 def of *scheduled activity premises* inserted by S.R. No. 71/2017 reg. 5.

Note

29 June 2014 is the day before the day on which section 17 of the **Environment Protection and Sustainability Victoria**

Amendment Act 2014 came into operation. That section repealed section 26G of the **Environment Protection Act 1970**, under which the register of scheduled activities was kept.

Reg. 4 def. of
*sensing
apparatus*
inserted by
S.R. No.
14/2012 reg. 5.

sensing apparatus means the apparatus from which an in-home display is capable of obtaining the total electricity consumption information for a residential premises, including an AMI metering installation or power coil;

Reg. 4 def. of
Sleep Mode
inserted by
S.R. No.
56/2011 reg. 4.

Sleep Mode, in relation to a computer, means a low power state that the computer is capable of entering automatically after a period of inactivity or by manual selection;

Reg. 4 def. of
*Smart
Approved
Watermark*
inserted by
S.R. No.
24/2013 reg. 5.

Smart Approved Watermark means a trademark that has either of the following trademark registration numbers—

- (a) 988613;
- (b) 988615;

Reg. 4 def. of
T5 adaptor
inserted by
S.R. No.
32/2012 reg. 5.

T5 adaptor is a product that will modify a T8 or T12 light fitting to use a T5 lamp without the need for internal re-wiring of the light fitting;

Reg. 4 def. of
*three-phase
cage
induction
motor*
inserted by
S.R. No.
167/2015
reg. 5.

three-phase cage induction motor means an electric motor that is within the scope of AS/NZS 1359.5:2004 as described in clause 1.1 of that Standard but does not include equipment of the type referred to in clause 1.2 of that Standard;

Total U-Value means the thermal transmittance ($\text{W/m}^2\text{K}$) of the composite element allowing for the effect of any airspace and associated surface resistances;

voltage reduction unit means a product used to reduce voltage to a light fitting;

Reg. 4 def. of
*voltage
reduction unit*
inserted by
S.R. No.
32/2012 reg. 5.

warranty against defects has the same meaning as it has in the Australian Consumer Law (Victoria);

Reg. 4 def. of
*warranty
against
defects*
inserted by
S.R. No.
52/2017 reg. 5.

WERS means the Window Energy Rating Scheme managed by the Australian Window Association;

window includes glass roof light, glass panel, glass block, glass brick, glazed sash, glazed part of a door or similar glass product that, when closed, transmits natural light from outside premises to the inside but does not include a louvred product.

Reg. 4 def. of
window
amended by
S.R. No.
146/2011
reg. 6(1)(b).

5 Standards

In these Regulations, unless the contrary intention appears, a reference to a standard is a reference to that standard as in force at the time these Regulations are made.

Part 2—Prescribed activities

6 Prescribed activities

Reg. 6
amended by
S.R. Nos
127/2010
reg. 6, 56/2011
reg. 5,
146/2011
reg. 7,
substituted by
S.R. No.
6/2012 reg. 5.

- (1) For the purposes of section 15 of the Act, the following activities (whether undertaken in residential premises, business premises or other non-residential premises) are prescribed—
 - (a) decommissioning an electric resistance water heater and installing a product that complies with the criteria specified in Part A of Schedule 1;
 - (b) installing on an electric resistance water heater a product that complies with the criteria specified in Part A of Schedule 2;
 - (c) decommissioning a gas or liquefied petroleum gas water heater and installing a product that complies with the criteria specified in Part A of Schedule 3;
 - (d) installing on a gas or liquefied petroleum gas water heater a solar pre-heater that complies with the criteria specified in Part A of Schedule 4;
 - (e) decommissioning a ducted gas space heater and installing a product that complies with the criteria specified in Part A of Schedule 5;
 - (f) decommissioning a central electric resistance heater that provides heating to a space with a floor area of at least 100m² and installing a product that complies with the criteria specified in Part A of Schedule 6;
 - (g) decommissioning a ducted air to air heat pump and installing a product that complies with the criteria specified in Part A of Schedule 7;

Reg. 6(1)(g)
amended by
S.R. No
167/2015
reg. 6(1)(a).

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|--|---|
| (h) decommissioning a central electric resistance heater that provides heating to a space with a floor area of at least 100m ² and installing a product that complies with the criteria specified in Part A of Schedule 8; | Reg. 6(1)(h)
amended by
S.R. No.
167/2015
reg. 6(1)(a). |
| (i) installing a gas or liquefied petroleum gas space heater that is flued and complies with the criteria specified in Part A of Schedule 9; | |
| (j) installing a space air to air heat pump that complies with the criteria specified in Part A of Schedule 10; | Reg. 6(1)(j)
amended by
S.R. No.
167/2015
reg. 6(1)(a). |
| (k) installing, in respect of a floor area that is not insulated, a product that complies with the criteria specified in Part A of Schedule 12 as under floor insulation for a minimum of 20m ² in accordance with AS 3999—1992 published on 16 April 1992 incorporating Amendment No. 1 published on 9 March 2012; | |
| (l) installing, in place of one or more windows in an external wall, at least 5m ² of glazing or glazed product that complies with the criteria specified in Part A of Schedule 13; | |
| (m) installing, on one or more single glazed windows in an external wall for a minimum glazing area of 5m ² , a product that complies with the criteria specified in Part A of Schedule 14; | |
| (n) decommissioning a non-low flow shower rose (not being a shower rose rated as having a 3 star or higher water efficiency when assessed and labelled in accordance with AS/NZS 6400:2005 reissued in December 2006) and installing a low flow shower rose | |

that complies with the criteria specified in Part A of Schedule 17;

- (o) removing from the premises a refrigerator or freezer manufactured before 1996 and in working order and destroying the refrigerator or freezer in accordance with the criteria specified in Part A of Schedule 19;

Reg. 6(1)(p)
substituted by
S. R. No.
24/2013
reg. 6(1).

- (p) installing a high efficiency ducted gas heater that complies with the criteria specified in Part A of Schedule 20 in premises where none of the following products is installed—

- (i) gas ducted heating;
- (ii) a gas or liquefied petroleum gas space heater;
- (iii) a ducted evaporative cooler;
- (iv) a space air to air heat pump;
- (v) a ducted air to air heat pump;
- (vi) any other central heating or cooling product;

Reg. 6(1)(q)
substituted by
S. R. No.
167/2015
reg. 6(1)(b).

- (q) installing lamps that comply with the criteria specified in Part A of Schedule 21 in place of incandescent lamps that do not comply with those criteria and—

- (i) decommissioning the non-complying incandescent lamps; and
- (ii) if the installed lamps comply with the criteria specified in item 21D in Part A of Schedule 21, decommissioning the transformer associated with the non-complying incandescent lamps;

- (r) installing a high efficiency refrigerator or high efficiency freezer that complies with the criteria specified in Part A of Schedule 22;

- (s) installing a ducted evaporative cooler that complies with the criteria specified in Part A of Schedule 23 after decommissioning a refrigerative air conditioner (whether or not ducted) that was not located in—
 - (i) in the case of an air conditioner in residential premises, a bedroom; or
 - (ii) in the case of an air conditioner in business or non residential premises, a room with an area less than 20m²;
 - (t) installing a high efficiency television that complies with the criteria specified in Part A of Schedule 24;
 - (u) installing an energy efficient (low greenhouse intensity) clothes dryer that complies with the criteria specified in Part A of Schedule 25;
 - (v) installing a high efficiency pool pump that complies with the criteria specified in Part A of Schedule 26;
 - (w) decommissioning gas heating ductwork that is connected to a ducted gas heater and installing in its place a product that complies with the criteria specified in Part A of Schedule 28;
 - (x) installing a standby power controller, being a product that complies with the criteria specified in Part A of Schedule 29.
- (2) For the purposes of section 15 of the Act, the following activities undertaken in residential premises are prescribed—

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Part 2—Prescribed activities

Reg. 6(2)(a)
amended by
S.R. No.
32/2012
reg. 6(2),
substituted by
S.R. No.
16/2016 reg. 5.

- (a) installing a product that complies, or 2 or more products that when installed together comply, with the criteria specified in Part A of Schedule 11—
 - (i) in accordance with AS 3999—2015 published on 23 July 2015; and
 - (ii) in a ceiling area not previously insulated for a minimum area of 20 m²;

Reg. 6(2)(b)
amended by
S.R. No.
14/2012
reg. 6(1),
substituted by
S.R. No.
52/2017 reg. 6.

- (b) undertaking in the premises one or more of the weather sealing activities referred to in regulation 6AA unless that activity results, or those activities together result, in—
 - (i) the volume of air that is exchanged at the premises each hour being less than 50% of the volume of the premises; or
 - (ii) the premises failing to comply with Part 3.8.5 of the Building Code as amended from time to time;

Note

This concept is known as the air change rate. Expressed as a decimal number, the air change rate referred to in this provision is 0.5.

Reg. 6(2)(c)
inserted by
S.R. No.
14/2012
reg. 6(2),
amended by
S.R. No.
32/2012
reg. 6(3).

- (c) installing an in-home display unit that complies with the criteria specified in Part A of Schedule 30;

Reg. 6(2)(d)
inserted by
S.R. No.
32/2012
reg. 6(4).

- (d) in a building that is classified under Part A3 of the 2008 edition of the Building Code as Class 3, or in the common areas of a building that is classified as Class 2, undertaking a lighting upgrade by doing any of the following—

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Part 2—Prescribed activities

- (i) installing lighting equipment referred to in Part A of Schedule 34 and decommissioning any replaced lighting equipment; or
- (ii) removing no more than half the lamps from a multiple lamp fitting and decommissioning any associated ballast or tombstone.

Note

Under regulation 10(2), a certificate may not be created in respect of this prescribed activity unless either the lighting upgrade meets particular standards, or the ESC determines that the lighting upgrade is not required to meet those standards.

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|---|--|
| (3) For the purposes of section 15 of the Act, the following activities undertaken in business premises or other non-residential premises are prescribed— | Reg. 6(3) inserted by S.R. No. 32/2012 reg. 6(5). |
| (a) installing a motor that complies with the criteria specified in Part A of Schedule 31; | Reg. 6(3)(a) substituted by S.R. No. 167/2015 reg. 6(2)(a). |
| (b) installing a refrigerated display cabinet that complies with the criteria specified in Part A of Schedule 32; | Reg. 6(3)(b) substituted by S.R. No. 167/2015 reg. 6(2)(a). |
| (c) installing a fan motor that complies with the criteria specified in Part A of Schedule 33 in a refrigerated display cabinet, commercial freezer or cool room; | Reg. 6(3)(c) amended by S.R. No. 24/2013 reg. 6(2)–(4), substituted by S.R. No. 167/2015 reg. 6(2)(a). |

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Part 2—Prescribed activities

Reg. 6(3)(d)
amended by
S.R. No.
167/2015
reg. 6(2)(b).

(d) undertaking a lighting upgrade by doing any of the following—

(i) installing lighting equipment referred to in Part A of Schedule 34 and decommissioning any replaced lighting equipment; or

Reg. 6(3)(d)(ii)
amended by
S.R. No.
24/2013
reg. 6(5).

(ii) removing no more than half the lamps from a multiple lamp fitting and decommissioning any associated ballast or tombstone;

Reg. 6(3)(e)
inserted by
S.R. No.
24/2013
reg. 6(6).

(e) decommissioning a trigger nozzle that has a maximum water flow requirement of at least 12L/minute and that is not labelled with a Smart Approved Watermark and installing a trigger nozzle that complies with the criteria specified in Part A of Schedule 35;

Reg. 6(3)(f)
inserted by
S.R. No.
24/2013
reg. 6(6).

(f) installing a prerinse spray valve that complies with the criteria specified in Part A of Schedule 36 on an existing fitting for a prerinse spray valve on which no prerinse spray valve was previously installed;

Reg. 6(3)(g)
inserted by
S.R. No.
24/2013
reg. 6(6).

(g) decommissioning a prerinse spray valve that is not rated as having a 4 star or higher water efficiency (when assessed and labelled in accordance with AS/NZS 6400:2005 reissued in June 2011) and installing a prerinse spray valve that complies with the criteria specified in Part A of Schedule 36.

Note

Under regulation 10(2), a certificate may not be created in respect of this prescribed activity unless either the lighting upgrade meets particular standards, or the ESC determines that the lighting upgrade is not required to meet those standards.

6AA Weather sealing activities

- (1) For the purposes of regulation 6(2)(b), the following activities are the weather sealing activities—
- (a) installing a product that complies, or 2 or more products that together comply, with the criteria specified in item 15A in Part A of Schedule 15, to the frame of an external door or to each edge of an external door if that installation—
 - (i) is in accordance with the manufacturer's instructions; and
 - (ii) restricts airflow around the entire perimeter of the door; and
 - (iii) does not impair the normal operation of that door;
 - (b) installing a product that complies, or 2 or more products that together comply, with the criteria specified in item 15B in Part A of Schedule 15, to the frame of an external window if that installation—
 - (i) is in accordance with the manufacturer's instructions; and
 - (ii) restricts airflow through the window; and
 - (iii) does not impair the normal operation of that window;
 - (c) doing each of the following things—
 - (i) removing a ceiling or wall exhaust fan that does not comply with the criteria specified in item 15C in Part A of Schedule 15; and

Reg. 6AA
inserted by
S.R. No.
146/2011
reg. 8,
revoked by
S.R. No.
6/2012 reg. 6,
new reg. 6AA
inserted by
S.R. No.
52/2017 reg. 7.

- (ii) decommissioning that ceiling or wall exhaust fan; and
 - (iii) installing, in accordance with the manufacturer's instructions and in the place of the decommissioned fan, a ceiling or wall exhaust fan that complies with the criteria specified in item 15C in Part A of Schedule 15;
- (d) installing a product that complies with the criteria in item 15D in Part A of Schedule 15—
 - (i) in accordance with the manufacturer's instructions; and
 - (ii) on a ceiling or wall exhaust fan that expels air either outside or into the roof space of the premises and on which no such product is already installed;
- (e) installing a product that complies with item 15E in Part A of Schedule 15—
 - (i) in accordance with the manufacturer's instructions; and
 - (ii) in an unsealed wall vent; and
 - (iii) with the result that a ventilation opening in an external wall is sealed or closed;
- (f) installing a product that complies with the criteria specified in item 15F in Part A of Schedule 15—
 - (i) in accordance with the manufacturer's instructions; and
 - (ii) to an unsealed chimney or flue of a fireplace to which no such product is already installed;

- (g) subject to subregulation (2), installing a product that complies with the criteria specified in item 15G in Part A of Schedule 15—
 - (i) in accordance with the manufacturer's instructions; and
 - (ii) to an unsealed chimney or flue of a fireplace to which no such product is already installed; and
 - (iii) along with signage that includes instructions for removing the product;
 - (h) subject to subregulation (2), installing a product that complies with the criteria specified in item 15H in Part A of Schedule 15—
 - (i) in accordance with the manufacturer's instructions; and
 - (ii) so that the product covers the ceiling outlet of a ducted evaporative cooling system to which no such product is already installed.
- (2) Subregulation (1)(g) and (h) do not include the reinstallation of a product.

Note

Part A of Schedule 15 specifies that these products are products that are designed to be installed on a temporary or seasonal basis.

6A Manner in which right to create a certificate may be assigned in certain cases

For the purposes of section 16(3)(a)(ii) of the Act—

- (a) the prescribed activity set out in regulation 6(1)(o), when undertaken in residential premises, is prescribed; and

Reg. 6A
inserted by
S.R. No.
109/2010
reg. 4.

Reg. 6A(a)
amended by
S.R. Nos
6/2012 reg. 7,
32/2012 reg. 7.

- (b) the manner in which an assignment for the purposes of section 16(1)(b) of the Act must be made in the case of that prescribed activity is by notice in writing or orally.

Reg. 6B
inserted by
S.R. No.
109/2010
reg. 4.

6B Record keeping in relation to assignments of rights made by oral notice

An accredited person who holds an assignment of a right to create a certificate that has been made by oral notice must comply with those parts of the ESC guidelines that provide for record keeping requirements in relation to those kinds of notices.

Reg. 6C
inserted by
S.R. No.
32/2012 reg. 8.

6C Method and variables for calculating emissions reduced by prescribed activity

- (1) For the purposes of section 18(2) of the Act, the method and variables to be used to calculate the carbon dioxide equivalent of greenhouse gases to be reduced by a prescribed activity referred to in regulation 6 are specified in Part B of the Schedule applying to that prescribed activity.
- (2) For the purposes of calculating the carbon dioxide equivalent of greenhouse gases to be reduced by a prescribed activity referred to in regulation 6(2)(d) or (3)(d), the ESC may determine the lamp circuit power for lamps of a particular type to be a particular value if—
 - (a) the accredited person undertaking the activity—
 - (i) requests that the ESC determine the lamp circuit power for that type of lamp to be that value; and
 - (ii) provides the ESC with documentation supporting that request (including, for example, product specification sheets and laboratory test reports); and

- (b) the ESC is satisfied that it is reasonable to determine the lamp circuit power as requested.

Note

Under regulation 10(3), a certificate may not be created in respect of this prescribed activity if the activity involves lamps of certain types and the ESC has not determined the lamp circuit power for lamps of those types.

7 Time at which prescribed activity is undertaken and reduction in greenhouse gas emissions occurs

- (1) For the purposes of section 17(1) of the Act, a prescribed activity referred to in regulation 6 is to be taken to have been undertaken at the time specified in Part C of the Schedule applying to that prescribed activity.
- (2) For the purposes of section 17(2) of the Act, a reduction in greenhouse gas emissions that results from a prescribed activity referred to in regulation 6 is to be taken to have occurred at the time specified in Part C of the Schedule applying to that prescribed activity.

Reg. 7
amended by
S.R. Nos
146/2011
reg. 9, 6/2012
reg. 8,
substituted by
S.R. No.
96/2013 reg. 5.

8 Certificate not to be created more than once for same product or activity in residential premises

- (1) Except as provided in subregulation (2), if a certificate has been created for a prescribed activity involving the installation of a product (other than lamps or a shower rose) in residential premises, a certificate must not be created in respect of—
- (a) any other prescribed activity involving that product; or

Reg. 8
(Heading)
amended by
S.R. No.
146/2011
reg. 10(1).

Reg. 8(1)
amended by
S.R. No.
146/2011
reg. 10(2).

- (b) any prescribed activity of the same class as the first mentioned prescribed activity that is undertaken in those residential premises.

(2) Subregulation (1)(b) does not apply to the following—

Reg. 8(2)(b)
amended by
S.R. No.
127/2010
reg. 7(a).

- (a) a prescribed activity involving the installation of a second water heating product referred to in Schedule 1, 2, 3 or 4;
- (b) a prescribed activity involving the installation of a second heating product referred to in Schedule 5, 6, 7, 8, 9, 10 or 20;

Reg. 8(2)(c)
amended by
S.R. Nos
127/2010
reg. 7(b),
167/2015
reg. 7.

- (c) a prescribed activity involving the installation of a second refrigerator or freezer referred to in Schedule 22;

Reg. 8(2)(d)
inserted by
S.R. No.
127/2010
reg. 7(c).

- (d) a prescribed activity involving the installation of a second high efficiency television referred to in Schedule 24;

Reg. 8(2)(e)
inserted by
S.R. No.
127/2010
reg. 7(c),
amended by
S.R. No.
32/2012
reg. 9(1).

- (e) a prescribed activity involving the installation of a second energy efficient clothes dryer referred to in Schedule 25;

Reg. 8(2)(f)
inserted by
S.R. No.
32/2012
reg. 9(2).

- (f) a prescribed activity involving the undertaking of a lighting upgrade referred to in regulation 6(2)(d).

- (3) This regulation does not apply to a prescribed activity that is prescribed under the Victorian Energy Efficiency Target (Project-Based Activities) Regulations 2017.

Reg. 8(3)
inserted by
S.R. No.
46/2017
reg. 20.

8A Certificate not to be created more than once for same product installed in business or non-residential premises

Reg. 8A
inserted by
S.R. No.
146/2011
reg. 11,
amended by
S.R. No.
46/2017
reg. 21 (ILA
39B(2)).

- (1) If a certificate has been created for a prescribed activity involving the installation of a product (other than lamps or a shower rose) in business premises or other non-residential premises, a certificate must not be created in respect of any other prescribed activity involving that product.
- (2) This regulation does not apply to a prescribed activity that is prescribed under the Victorian Energy Efficiency Target (Project-Based Activities) Regulations 2017.

Reg. 8A(2)
inserted by
S.R. No.
46/2017
reg. 21.

9 Register to be kept by the ESC

- (1) The ESC must establish and keep a register of products that, if listed in the register, may be installed under a prescribed activity and in respect of which a certificate may be created.
- (2) The register kept under this regulation must include, in relation to each product—
- (a) the prescribed activity under which it may be installed;
 - (b) the product type, brand name, model name or number and any other relevant details sufficient to identify the product;
 - (c) the date on which the entry was made;
 - (d) if the entry is amended, details of each amendment and the date on which the amendment took effect;

Reg. 9(1)
amended by
S.R. Nos
127/2010
reg. 8(1),
146/2011
reg. 12.

Reg. 9(2)
substituted by
S.R. No.
127/2010
reg. 8(2).

- (e) if the product ceases to be a product that may be installed under a prescribed activity, the date on which it so ceased.

Reg. 9(3)
substituted by
S.R. No.
127/2010
reg. 8(2).

(3) The ESC—

- (a) must cause the register kept under this regulation to be available for inspection at its office; and
- (b) must cause a copy of the register to be published on its website and, so far as is practicable, kept up to date; and
- (c) as soon as practicable after an entry in the register is made or amended, must cause a copy of the entry as made or amended to be published on its website for 3 months after the entry is made or amended.

Reg. 10
amended by
S.R. No.
127/2010
reg. 9(2)
(ILA s. 39B(2)).

10 Conditions and circumstances under which a certificate cannot be created

Reg. 10(1)
amended by
S.R. No.
96/2013 reg. 6.

- (1) For the purposes of section 17(3)(d) of the Act, the following are conditions and circumstances in which a certificate cannot be created in relation to a prescribed activity—

Reg. 10(1)(a)
substituted by
S.R. No.
146/2011
reg. 13.

- (a) if the prescribed activity is undertaken as a performance requirement under the Building Code in relation to the premises in which the activity is undertaken; or

Reg. 10(1)(ab)
inserted by
S.R. No.
146/2011
reg. 13,
substituted by
S.R. Nos
74/2014 reg. 5,
71/2017 reg. 6.

- (ab) if the prescribed activity is undertaken—
 - (i) in scheduled activity premises; and
 - (ii) on a day before the day on which a notification is made in relation to those premises in accordance with regulation 10AA; or

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Part 2—Prescribed activities

- | | |
|---|---|
| (b) if, at the time the prescribed activity is undertaken, the accredited person proposing to create the certificate is a person whose accreditation is suspended; or | Reg. 10(1)(b) amended by S.R. No. 127/2010 reg. 9(1)(a). |
| (c) if the accredited person knows, or ought to know, that the prescribed activity was not undertaken in accordance with the provisions of the Electricity Safety Act 1998 , the Gas Safety Act 1997 , the Occupational Health and Safety Act 2004 or the Building Act 1993 or regulations under any of those Acts. | Reg. 10(1)(c) inserted by S.R. No. 127/2010 reg. 9(1)(b). |
| * * * * * | Reg. 10 (1A)–(1D) inserted by S.R. No. 24/2013 reg. 7, amended by S.R. No. 96/2013 reg. 6, revoked by S.R. No. 24/2013 reg. 16. |
| (2) For the purposes of section 17(3)(d) of the Act, a certificate cannot be created in relation to a prescribed activity referred to in regulation 6(2)(d) or (3)(d) unless— | Reg. 10(2) inserted by S.R. No. 127/2010 reg. 9(2), substituted by S.R. No. 32/2012 reg. 10(1), amended by S.R. No. 96/2013 reg. 6. |
| (a) either— | |
| (i) the lighting upgrade achieves the minimum illuminance required by AS/NZS 1680.0:2009 published on 15 December 2009; or | |
| (ii) the ESC determines that the lighting upgrade need not achieve that minimum illuminance because it is unreasonable to require the lighting upgrade to achieve that level; and | |

(b) either—

- (i) the lighting upgrade achieves the recommended maintained illuminance specified in table 3.1 of AS/NZS 1680.1:2006 published on 21 February 2006; or
- (ii) the ESC determines that the lighting upgrade need not achieve that recommended maintained illuminance because it is unreasonable to require the lighting upgrade to achieve that level.

Reg. 10(3)
inserted by
S.R. No.
32/2012
reg. 10(2),
amended by
S.R. No.
96/2013 reg. 6.

(3) For the purposes of section 17(3)(d) of the Act, a certificate cannot be created in relation to a prescribed activity referred to in regulation 6(2)(d) or (3)(d) if—

- (a) the activity is undertaken in a premises in which there is installed, or will be installed as part of the prescribed activity, a lamp of a type that is not listed in column 2 of Table 1 of Schedule 34; and
- (b) the lamp circuit power for lamps of that type must be determined to calculate the abatement factor for that prescribed activity; and
- (c) the ESC has not determined the lamp circuit power for lamps of that type in relation to the prescribed activity under regulation 6C(2).

Reg. 10(4)
inserted by
S.R. No.
52/2017 reg. 8.

(4) For the purposes of section 17(3)(d) of the Act, a certificate cannot be created in relation to a reduction in greenhouse gas emissions that results from an activity referred to in regulation 6AA(1)(f) or (g) if the ESC is satisfied that the premises in which the activity is undertaken are not predominantly heated by gas or electricity.

10AA Notification of intention to undertake prescribed activity at scheduled activity premises

Reg. 10AA
inserted by
S.R. No.
71/2017 reg. 7.

- (1) The person specified in subregulation (2) for scheduled activity premises may, by written notice, notify the ESC that a prescribed activity is intended to be undertaken at the premises for the purposes of the VEET scheme.
- (2) The person who may give the notification for the premises is—
 - (a) if the premises are occupied by a body corporate, the chief financial officer (however described) for the body corporate; or
 - (b) otherwise, an occupier of the premises.
- (3) On receiving a notification under subregulation (1), the ESC must publish on its Internet site—
 - (a) if the premises are occupied by a body corporate, the name of the body corporate; and
 - (b) the address of the premises; and
 - (c) the day on which the notification was made.

10A Discount factor

Reg. 10A
inserted by
S.R. No.
127/2010
reg. 10.

If a declaration of a discount factor in respect of a prescribed activity is in effect, the calculation of the carbon dioxide equivalent of greenhouse gases to be reduced by the activity as determined in accordance with Part B of each Schedule applying to the prescribed activity must be multiplied by that discount factor.

Part 3—General

11 Shortfall penalty rate

- (1) The prescribed shortfall penalty rate for the purposes of section 28 of the Act is \$40 as varied in accordance with this regulation.
- (2) The amount referred to in subregulation (1) that is to apply in respect of 2010 and each subsequent year is to be varied in accordance with the formula—

$$A \times \frac{B}{C}$$

where—

A is the amount referred to in subregulation (1);

B is the all groups consumer price index for Melbourne in original terms for the most recent reference period in which fell the September quarter of the previous year most recently published by the Australian Bureau of Statistics before the variation is made;

C is the all groups consumer price index for Melbourne published by the Australian Statistician in respect of the 2009 September quarter.

- (3) If an amount is varied in accordance with this regulation, subregulation (1) has effect as if a reference to the amount referred to in subregulation (1) were a reference to the amount so varied.
- (4) The ESC must cause a notice to be published in the Government Gazette specifying the amount as varied for the purposes of subregulation (1) in respect of the relevant year.

Reg. 11(2)
amended by
S.R. No.
74/2014 reg. 6.

12 Scheme acquisition

- (1) For the purpose of the definition of *scheme acquisition* in section 3(1) of the Act, the following customers are prescribed—
- (a) subject to subregulation (2), customers to whom a relevant entity sells electricity in Victoria; and
 - (b) subject to subregulations (2) and (3), customers to whom a relevant entity sells gas in Victoria.

Reg. 12
substituted by
S.R. Nos
31/2011 reg. 5,
43/2012 reg. 4.

- (2) A person who occupies scheduled activity premises, and to whom a relevant entity sells electricity or gas in Victoria as an occupier of those premises, is not a prescribed customer in relation to those premises until the commencement day for those premises as determined under subregulation (2A).

Reg. 12(2)
amended by
S.R. No.
74/2014 reg. 7,
substituted by
S.R. No.
71/2017 reg. 8.

- (2A) The commencement day for scheduled activity premises is 1 January of the second calendar year after the calendar year in which, for the first time, a certificate created in respect of the premises is registered under section 22 of the Act.

Reg. 12(2A)
inserted by
S.R. No.
71/2017 reg 8.

Note

A certificate cannot be created in respect of scheduled activity premises unless the ESC has been notified that a prescribed activity is intended to be undertaken at the premises for the purposes of the VEET scheme. See regulations 10(1)(ab) and 10AA.

- (3) A customer to whom a relevant entity sells gas in Victoria is not a prescribed customer if the customer—
- (a) is engaged in the activity of owning, controlling or operating a gas-fired electricity generator connected to the interconnected national electricity system; and

- (b) is, for the purposes of section 11(1) of the National Electricity (Victoria) Law, either—
 - (i) a Registered participant in relation to that activity; or
 - (ii) exempt from the requirement to be a Registered participant in relation to that activity.

Reg. 12A
inserted by
S.R. No.
96/2013 reg. 7.

12A Relevant entity

For the purposes of the definition of *relevant entity* in section 3(1) of the Act, the State Electricity Commission of Victoria (ABN 58 155 836 293) is prescribed not to be a relevant entity.

Reg. 13
inserted by
S.R. No.
31/2011 reg. 6,
substituted by
S.R. Nos
167/2015
reg. 8, 46/2017
reg. 22.

13 Prescribed greenhouse gas scheme

For the purpose of the definition of *prescribed greenhouse gas scheme* in section 3(1) of the Act, the following schemes are prescribed—

- (a) the scheme established under the Carbon Credits (Carbon Farming Initiative) Act 2011 of the Commonwealth for the issue of Australian carbon credit units in relation to eligible offsets projects;
- (b) the scheme established under the Renewable Energy (Electricity) Act 2000 of the Commonwealth for the issue of renewable energy certificates except as far as that scheme covers the following prescribed activities—
 - (i) decommissioning an electric resistance water heater and installing a product that complies with the criteria specified in Part A of Schedule 1;

- (ii) installing on an electric resistance water heater a product that complies with the criteria specified in Part A of Schedule 2;
- (iii) decommissioning a gas or liquefied petroleum gas water heater and installing a product that complies with the criteria specified in Part A of Schedule 3;
- (iv) installing on a gas or liquefied petroleum gas water heater a solar pre-heater that complies with the criteria specified in Part A of Schedule 4.

Schedules

Sch. 1
amended by
S.R. Nos
146/2011
reg. 14, 6/2012
reg. 9.

Schedule 1—Water heater

Regulation 6(1)(a)

Prescribed activity under regulation 6(1)(a): *Decommissioning an electric resistance water heater and installing a product that complies with the criteria specified in Part A of Schedule 1.*

Sch. 1 Pt A
amended by
S.R. No.
24/2013
regs 11(1),
17(1).

Part A—Criteria

Item

- 1A Gas or liquefied petroleum gas storage water heater certified by an accredited body as achieving a minimum 5 star rating when tested and rated in accordance with AS 4552/AG102—2000 or AS 4552—2005 and listed in the ESC register.
- 1B Gas or liquefied petroleum gas instantaneous water heater certified by an accredited body as achieving a minimum 5 star rating when tested and rated in accordance with AS 4552/AG102—2000 or AS 4552—2005 and listed in the ESC register.

* * * * *

- 1E A boosted solar or heat pump water heater that—
- (a) is certified by an accredited body to AS/NZS 2712:2007 reissued in November 2011; and
 - (b) achieves a minimum of 60% annual energy savings as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 when modelled in zone 4 (Melbourne); and
 - (c) is listed in the ESC register.

1F A gas or liquefied petroleum gas boosted solar water heater that—

- (a) is certified by an accredited body to AS/NZS 2712:2007 reissued in November 2011; and
- (b) achieves a minimum of 60% annual energy savings as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 when modelled in zone 4 (Melbourne); and
- (c) is listed in the ESC register.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the decommissioning of an electric resistance water heater, and the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

1A Abatement factor:

- (a) If the product has a storage capacity less than 95 litres: 18.0
- (b) If the product has a storage capacity of 95 litres or more but not more than 140 litres: 32.8
- (c) If the product has a storage capacity of more than 140 litres: 43.0

Sch. 1 Pt B
amended by
S.R. Nos
32/2012
reg. 11,
24/2013
regs 11(2)(3),
17(2).

1B Abatement factor:

- | | |
|---|------|
| (a) If the product has a water heating capacity (L/min) @ 25°C rise of less than 18 L/min: | 19.7 |
| (b) If the product has a water heating capacity (L/min) @ 25°C rise of 18 L/min or more but not more than 22 L/min: | 33.7 |
| (c) If the product has a water heating capacity (L/min) @ 25°C rise of more than 22 L/min: | 43.1 |
| * * * * | * |

1E Abatement factor:

- (a) If the product is a small system as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 based on the system's peak daily thermal energy load delivery characteristics and—
- (i) is installed in metropolitan Victoria:
- $40.47 - [0.003938 \times (B_s + B_e)];$
- (ii) is installed in regional Victoria:
- $42.79 - [0.004163 \times (B_s + B_e)];$
- (b) If the product is a large system as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 based on the system's peak daily thermal energy load delivery characteristics and—
- (i) is installed in metropolitan Victoria:
- $65.62 - [0.003938 \times (B_s + B_e)];$
- (ii) is installed in regional Victoria:
- $69.37 - [0.004163 \times (B_s + B_e)];$

1F Abatement factor:

- (a) If the product is a small system as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 based on the system's peak daily thermal energy load delivery characteristics and—

-
- (i) is installed in metropolitan Victoria:
 $40.47 - [0.015 \times (0.0573 \times B_s + 0.2625 \times B_e)];$
- (ii) is installed in regional Victoria:
 $42.79 - [0.015 \times (0.0573 \times B_s + 0.2775 \times B_e)];$
- (b) If the product is a large system as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 based on the system's peak daily thermal energy load delivery characteristics and—
- (i) is installed in metropolitan Victoria:
 $65.62 - [0.015 \times (0.0573 \times B_s + 0.2625 \times B_e)];$
- (ii) is installed in regional Victoria:
 $69.37 - [0.015 \times (0.0573 \times B_s + 0.2775 \times B_e)];$
- (b) If the product is a large system as determined in accordance with AS 4234—1994 based on the system's peak daily thermal energy load delivery characteristics and—
- (i) is installed in metropolitan Victoria:
 $65.62 - [0.015 \times (0.0573 \times B_s + 0.2625 \times B_e)];$
- (ii) is installed in regional Victoria:
 $69.37 - [0.015 \times (0.0573 \times B_s + 0.2775 \times B_e)].$
- 1A–1B Regional factor:
- (a) If the product is installed in metropolitan Victoria: 0.97;
- (b) If the product is installed in regional Victoria: 1.05.
- * * * *
- 1E–1F Regional factor: 1.

Sch. 1 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 1 Pt C
amended by
S.R. No.
24/2013
regs 11(4),
17(3).

Item

- 1A At the beginning of the day which is the later of the day on which the installed product is first able to produce and deliver water heated by gas or liquefied petroleum petroleum gas and the day on which the electric resistance water heater is decommissioned.
- 1B At the beginning of the day which is the later of the day on which the installed product is first able to produce and deliver water heated by gas or liquefied petroleum gas and the day on which the electric resistance water heater is decommissioned.
- * * * * *
- 1E–1F At the beginning of the day which is the later of the day on which the installed product is first able to produce and deliver water heated by solar energy and the day on which the electric resistance water heater is decommissioned.

Schedule 2—Solar retrofit kit

Regulation 6(1)(b)

Prescribed activity under regulation 6(1)(b): *Installing on an electric resistance water heater a product that complies with the criteria specified in Part A of Schedule 2.*

Sch. 2
amended by
S.R. Nos
146/2011
reg. 15, 6/2012
reg. 10.

Part A—Criteria

Item

* * * * *

Sch. 2 Pt A
amended by
S.R. No.
24/2013
regs 12(1),
18(1).

- 2B A solar retrofit kit (solar collector, pump and controller) that—
- (a) is certified by an accredited body to AS/NZS 2712:2007 reissued in November 2011; and
 - (b) achieves a minimum of 50% annual energy savings as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 when modelled in zone 4 (Melbourne) using the Plumbing Characteristics specified in the *Sustainability Victoria Guidelines to calculate annual solar energy savings for domestic solar water heaters produced by adding a Retrofit Kit (collectors and pump) to an existing tank* (version 6.0 updated June 2011); and
 - (c) is listed in the ESC register.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

Sch. 2 Pt B
amended by
S.R. Nos
32/2012
reg. 12,
24/2013
regs 12(2)(3),
18(2).

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 2—Solar retrofit kit

The following are the abatement factors and regional factors for an item in Part A:

Item

* * * *

2B Abatement factor:

(a) If the product is installed in metropolitan Victoria:

$$28.44 - [0.001706 \times (B_s + B_e)];$$

(b) If the product is installed in regional Victoria:

$$30.06 - [0.001804 \times (B_s + B_e)].$$

* * * *

2B Regional factor: 1.

Sch. 2 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 2 Pt C
amended by
S.R. No.
24/2013
regs 12(4),
18(3).

Item

* * * *

2B At the beginning of the day on which the electric resistance heater, as modified by the installed product, is first able to produce and deliver water heated by solar energy.

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 3—Solar water heater

Schedule 3—Solar water heater

Regulation 6(1)(c)

Prescribed activity under regulation 6(1)(c): *Decommissioning a gas or liquefied petroleum gas water heater and installing a product that complies with the criteria specified in Part A of Schedule 3.*

Sch. 3
amended by
S.R. Nos
146/2011
reg. 16, 6/2012
reg. 11.

Part A—Criteria

Item

* * * *

Sch. 3 Pt A
amended by
S.R. No.
24/2013
regs 13(1),
19(1).

3B A gas or liquefied petroleum gas boosted solar water heater that—

- (a) is certified by an accredited body to AS/NZS 2712:2007 reissued in November 2011; and
- (b) achieves a minimum of 60% annual energy savings as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 when modelled in zone 4 (Melbourne); and
- (c) is listed in the ESC register.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the decommissioning of a gas or liquefied petroleum gas heater and the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

* * * *

Sch. 3 Pt B
amended by
S.R. Nos
32/2012
reg. 13,
24/2013
regs 13(2)(3),
19(2).

3B Abatement factor:

- (a) If the product is a small system as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 based on the system's peak daily thermal energy load delivery characteristics and—
- (i) is installed in metropolitan Victoria:
 $12.27 - [0.015 \times (0.0573 \times B_s + 0.2625 \times B_e)];$
- (ii) is installed in regional Victoria:
 $12.27 - [0.015 \times (0.0573 \times B_s + 0.2775 \times B_e)];$
- (b) If the product is a large system as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 based on the system's peak daily thermal energy load delivery characteristics and—
- (i) is installed in metropolitan Victoria:
 $17.95 - [0.015 \times (0.0573 \times B_s + 0.2625 \times B_e)];$
- (ii) is installed in regional Victoria:
 $17.95 - [0.015 \times (0.0573 \times B_s + 0.2775 \times B_e)];$
- * * * *

3B Regional factor: 1.

Sch. 3 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 3 Pt C
amended by
S.R. No.
24/2013
regs 13(4),
19(3).

Item

- * * * *
- 3B At the beginning of the day which is the later of the day on which the installed product is first able to produce and deliver water heated by solar energy and the day on which the gas or liquefied petroleum gas water heater is decommissioned.

Schedule 4—Solar pre-heater

Regulation 6(1)(d)

Prescribed activity under regulation 6(1)(d): *Installing on a gas or liquefied petroleum gas water heater a solar pre-heater that complies with the criteria specified in Part A of Schedule 4.*

Sch. 4
(Heading)
substituted by
S.R. No.
146/2011
reg. 17(b).

Sch. 4
amended by
S.R. Nos
146/2011
reg. 17(a)(c),
6/2012 reg. 12.

Part A—Criteria

Item

* * * * *

Sch. 4 Pt A
amended by
S.R. No.
24/2013
regs 14(1),
20(1).

4B A solar pre-heater that—

- (a) is certified by an accredited body to AS/NZS 2712:2007 reissued in November 2011; and
- (b) achieves a minimum of 50% annual energy savings as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 when modelled in zone 4 (Melbourne) using the Post Heater Characteristics specified in *Sustainability Victoria's Guidelines to calculate annual solar energy savings for domestic solar water heaters produced by adding a solar pre-heater to an existing gas hot water system* (Version 3.0 updated June 2011); and
- (c) is listed in the ESC register.

Sch. 4 Pt B
amended by
S.R. Nos
32/2012
reg. 14,
24/2013
regs 14(2)(3),
20(2).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for an item in Part A:

Item

* * * *

4B Abatement factor:

- (a) If the product is a small system as determined in accordance AS/NZS 4234:2008 reissued in November 2011 based on the system's peak daily thermal energy load delivery characteristics and—

- (i) is installed in metropolitan Victoria:

$$7.53 - [0.006 \times (0.0573 \times B_s + 0.2625 \times B_e)];$$

- (ii) is installed in regional Victoria:

$$7.53 - [0.006 \times (0.0573 \times B_s + 0.2775 \times B_e)];$$

- (b) If the product is a large system as determined in accordance with AS/NZS 4234:2008 reissued in November 2011 based on the system's peak daily thermal energy load delivery characteristics and—

- (i) is installed in metropolitan Victoria:

$$10.26 - [0.006 \times (0.0573 \times B_s + 0.2625 \times B_e)];$$

- (ii) is installed in regional Victoria:

$$10.26 - [0.006 \times (0.0573 \times B_s + 0.2775 \times B_e)];$$

* * * *

4B Regional factor:

1.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 4 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

* * * *

Sch. 4 Pt C
amended by
S.R. No.
24/2013
regs 14(4),
20(3).

- 4B At the beginning of the day on which the gas or liquefied petroleum gas water heater, as modified by the installed product, is first able to produce and deliver water heated by solar energy.

Sch. 5
amended by
S.R. Nos
146/2011
reg. 18, 6/2012
reg. 13.

Schedule 5—High efficiency ducted gas heater replacing a ducted gas heater

Regulation 6(1)(e)

Prescribed activity under regulation 6(1)(e): *Decommissioning a ducted gas space heater and installing a product that complies with the criteria specified in Part A of Schedule 5.*

Part A—Criteria

Item

- 5A Ducted gas heater certified by an accredited body to achieve a minimum 5 star rating when tested and rated in accordance with AS 4556—2000 or AS 4556—2011 with a minimum rated output heating capacity of 10 kW as determined in accordance with AS 4556—2000 or AS 4556—2011 and listed in the ESC register.

Sch. 5 Pt B
amended by
S.R. No.
32/2012
reg. 15.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the decommissioning of a ducted gas space heater and the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for an item in Part A:

Item

- 5A Abatement factor:
- (a) If the product has a rated output heating capacity of not less than 10 and not more than 18 kW as determined in accordance with AS 4556—2000 or AS 4556—2011 and has a star rating determined in accordance with AS 4556—2000 or AS 4556—2011 of—

-
- | | |
|---|--------|
| (i) not less than 5.0 and not more than 5.49: | 7.74; |
| (ii) 5.5 or more: | 9.67; |
| (b) If the product has a rated output heating capacity of more than 18kW and not more than 28 kW as determined in accordance with AS 4556—2000 or AS 4556—2011 and has a star rating determined in accordance with AS 4556—2000 or AS 4556—2011 of— | |
| (i) not less than 5.0 and not more than 5.49: | 9.76; |
| (ii) 5.5 or more: | 12.20; |
| (c) If the product has a rated output heating capacity of more than 28 kW as determined in accordance with AS 4556—2000 or AS 4556—2011 and has a star rating determined in accordance with AS 4556—2000 or AS 4556—2011 of— | |
| (i) not less than 5.0 and not more than 5.49: | 12.16; |
| (ii) 5.5 or more: | 15.20. |

5A Regional factor:

- | | |
|--|-------|
| (a) If the product is installed in metropolitan Victoria: | 1; |
| (b) If the product is installed in regional Victoria—climatic region Mild: | 1; |
| (c) If the product is installed in regional Victoria—climatic region Cold: | 1.61; |
| (d) If the product is installed in regional Victoria—climatic region Hot: | 0.71. |

Sch. 5 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

- 5A At the beginning of the day which is the later of the day on which the installed product is first able to produce and deliver ducted gas heating and the day on which the ducted gas space heater is decommissioned.

Schedule 6—High efficiency ducted gas heater replacing a central electric resistance heater

Sch. 6
amended by
S.R. No.
6/2012 reg. 14.

Regulation 6(1)(f)

Prescribed activity under regulation 6(1)(f): *Decommissioning a central electric resistance heater that provides heating to a space with a floor area of at least 100m² and installing a product that complies with the criteria specified in Part A of Schedule 6.*

Part A—Criteria

Item

- 6A Ducted gas heater certified by an accredited body to achieve a minimum 5 star rating when tested and rated in accordance with AS 4556—2000 with a minimum rated output heating capacity of 10 kW as determined in accordance with AS 4556—2000 and listed in the ESC register.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

Sch. 6 Pt B
amended by
S.R. No.
32/2012
reg. 16.

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the decommissioning of a central electric resistance heater and the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

- 6A Abatement factor:
- (a) If the product has a rated output heating capacity of not less than 10 and not more than 18 kW as determined in accordance with AS 4556—2000 and

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 6—High efficiency ducted gas heater replacing a central electric
resistance heater

has a star rating determined in accordance with
AS 4556—2000 of—

- (i) not less than 5·0 and not more
than 5·49: 119·43;
 - (ii) 5·5 or more: 121·44;
- (b) If the product has a rated output heating capacity of
more than 18 and not more than 28 kW as
determined in accordance with AS 4556—2000 and
has a star rating determined in accordance with
AS 4556—2000 of—
 - (i) not less than 5·0 and not more
than 5·49: 151·07;
 - (ii) 5·5 or more: 153·61;
- (c) If the product has a rated output heating capacity of
more than 28 kW as determined in accordance with
AS 4556—2000 and has a star rating determined in
accordance with AS 4556—2000 of—
 - (i) not less than 5·0 and not more
than 5·49: 188·48;
 - (ii) 5·5 or more: 191·66.

6A Regional factor:

- (a) If the product is installed in metropolitan
Victoria: 1;
- (b) If the product is installed in regional
Victoria—climatic region Mild: 1·08;
- (c) If the product is installed in regional
Victoria—climatic region Cold: 1·74;
- (d) If the product is installed in regional
Victoria—climatic region Hot: 0·76.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 6 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

- 6A At the beginning of the day which is the later of the day on which the installed product is first able to produce and deliver ducted gas heating and the day on which the central electric resistance heater is decommissioned.

Sch. 7
amended by
S.R. Nos
6/2012 reg. 15,
167/2015
reg. 9(1).

Schedule 7—High efficiency ducted air to air heat pump replacing a ducted air to air heat pump

Regulation 6(1)(g)

Prescribed activity under regulation 6(1)(g): *Decommissioning a ducted air
to air heat pump and installing a product that complies with the criteria
specified in Part A of Schedule 7.*

Part A—Criteria

Item

Sch. 7 Pt A
item 7A
substituted by
S.R. No.
167/2015
reg. 9(2).

7A A product that—

- (a) complies with the MEPS requirement set out in column 4 of Table 3.1 of AS/NZS 3823.2:2013; and
- (b) achieves an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of not less than 3.7; and
- (c) has a rated output heating capacity, as determined in accordance with AS/NZS 3823.1.2:2012, of not less than 10kW at the H1 temperature condition; and
- (d) is listed on the ESC register.

Sch. 7 Pt B
amended by
S.R. No.
32/2012
reg. 17.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the decommissioning of a ducted air to air heat pump and the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

7A Abatement factor:

**Sch. 7 Pt B
item 7A
Abatement
factor:
substituted by
S.R. No.
167/2015
reg. 9(3).**

- | | |
|--|--------|
| (a) If the product has a heating capacity, as determined in accordance with AS/NZS 3823.1.2:2012, of not less than 10 and not more than 18 kW at the H1 temperature condition and has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of— | |
| (i) not less than 3.7 and not more than 3.99: | 1.25; |
| (ii) not less than 4 and not more than 4.29: | 4.62; |
| (iii) not less than 4.3 and not more than 4.59: | 7.52; |
| (iv) 4.6 or more: | 10.04; |
| (b) If the product has a heating capacity, as determined in accordance with AS/NZS 3823.1.2:2012, of more than 18 and not more than 28 kW at the H1 temperature condition and has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of— | |
| (i) not less than 3.7 and not more than 3.99: | 3.25; |
| (ii) not less than 4 and not more than 4.29: | 7.51; |
| (iii) not less than 4.3 and not more than 4.59: | 11.18; |
| (iv) 4.6 or more: | 14.37; |

(c) If the product has a heating capacity, as determined in accordance with AS/NZS 3823.1.2:2012, of more than 28 kW at the H1 temperature condition and has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of—

- | | |
|---|--------|
| (i) not less than 3·7 and not more than 3·99: | 6·26; |
| (ii) not less than 4 and not more than 4·29: | 11·58; |
| (iii) not less than 4·3 and not more than 4·59: | 16·15; |
| (iv) 4·6 or more: | 20·13. |

Sch. 7 Pt B
item 7A
Regional
factor:
amended by
S.R. No.
167/2015
reg. 9(4).

7A Regional factor:

- | | |
|--|-------|
| (a) If the product is installed in metropolitan Victoria: | 1; |
| (b) If the product is installed in regional Victoria—climatic region Mild: | 1·06; |
| (c) If the product is installed in regional Victoria—climatic region Cold: | 1·72; |
| (d) If the product is installed in regional Victoria—climatic region Hot: | 0·75. |

Sch. 7 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Part C—Time at which activity undertaken and reduction in greenhouse gas emissions occurs

Item

- 7A At the beginning of the day which is the later of the day on which the installed product is first able to produce and deliver heating and the day on which the ducted air to air heat pump is decommissioned.

Schedule 8—High efficiency ducted air to air heat pump replacing central electric resistance heater

Sch. 8
amended by
S.R. Nos
6/2012 reg. 16,
167/2015
reg. 10(1).

Regulation 6(1)(h)

Prescribed activity under regulation 6(1)(h): *Decommissioning a central electric resistance heater that provides heating to a space with a floor area of at least 100m² and installing a product that complies with the criteria specified in Part A of Schedule 8.*

Part A—Criteria

Item

8A A product that—

- (a) complies with the MEPS requirement set out in column 4 of Table 3.1 of AS/NZS 3823.2:2013; and
- (b) achieves an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of not less than 3.7; and
- (c) has a rated output heating capacity, as determined in accordance with AS/NZS 3823.1.2:2012, of not less than 10 kW at the H1 temperature condition; and
- (d) is listed in the ESC register.

Sch. 8 Pt A
item 8A
substituted by
S.R. No.
167/2015
reg. 10(2).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

Sch. 8 Pt B
amended by
S.R. No.
32/2012
reg. 18.

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the decommissioning of a central electric resistance heater and the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

Sch. 8 Pt B
item 8A
Abatement
factor:
substituted by
S.R. No.
167/2015
reg. 10(3).

8A Abatement factor:

- (a) If the product has a heating capacity, as determined in accordance with AS/NZS 3823.1.2:2012, of not less than 10 and not more than 18 kW at the H1 temperature condition and has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of—
 - (i) not less than 3.7 and not more than 3.99: 102.0;
 - (ii) not less than 4 and not more than 4.29: 107.0;
 - (iii) not less than 4.3 and not more than 4.59: 111.2;
 - (iv) 4.6 or more: 114.8;
- (b) If the product has a heating capacity, as determined in accordance with AS/NZS 3823.1.2:2012, of more than 18 and not more than 28 kW at the H1 temperature condition and has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of—
 - (i) not less than 3.7 and not more than 3.99: 129.9;
 - (ii) not less than 4 and not more than 4.29: 136.0;
 - (iii) not less than 4.3 and not more than 4.59: 141.2;
 - (iv) 4.6 or more: 145.8;

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 8—High efficiency ducted air to air heat pump replacing central
electric resistance heater

(c) If the product has a heating capacity, as determined in accordance with AS/NZS 3823.1.2:2012, of more than 28 kW at the H1 temperature condition and has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of—

- | | |
|---|--------|
| (i) not less than 3·7 and not more than 3·99: | 165·4; |
| (ii) not less than 4 and not more than 4·29: | 172·7; |
| (iii) not less than 4·3 and not more than 4·59: | 179·0; |
| (iv) 4·6 or more: | 184·5. |

8A Regional factor:

- | | |
|--|-------|
| (a) If the product is installed in metropolitan Victoria: | 1·00; |
| (b) If the product is installed in regional Victoria—climatic region Mild: | 1·06; |
| (c) If the product is installed in regional Victoria—climatic region Cold: | 1·79; |
| (d) If the product is installed in regional Victoria—climatic region Hot: | 0·61. |

Sch. 8 Pt B
item 8A
Regional
factor:
amended by
S.R. No.
167/2015
reg. 10(4).

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 8 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

- 8A At the beginning of the day which is the later of the day on which the installed product is first able to produce and deliver heating and the day on which the central electric resistance heater is decommissioned.

Sch. 9
amended by
S.R. No.
6/2012 reg. 17.

Schedule 9—Gas or liquefied petroleum gas space heater

Regulation 6(1)(i)

Prescribed activity under regulation 6(1)(i): *Installing a gas or liquefied petroleum gas space heater that is flued and complies with the criteria specified in Part A of Schedule 9.*

Part A—Criteria

Item

- 9A A product certified by an accredited body, achieving a minimum energy star rating of 4 when tested and rated to AS 4553—2000 or AS 4553—2008, with a minimum rated output heating capacity of 2 kW as determined in accordance with AS 4553—2000 or AS 4553—2008 and listed in the ESC register.

Sch. 9 Pt B
amended by
S.R. No.
32/2012
reg. 19.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Sch. 9 Pt B
item 9A
Abatement
factor:
amended by
S.R. No.
167/2015
reg. 11(a).

9A Abatement factor:

- (a) If the product provides a rated output heating capacity of not less than 2 and not more than 3 kW as determined in accordance with AS 4553—2000 and has an energy star rating determined in accordance with AS 4553—2000 of—
- | | |
|--|-------|
| (i) not less than 4.0 and not more than 4.9: | 5.36; |
| (ii) 5 or more: | 5.86; |

- (b) If the product provides a rated output heating capacity of more than 3 and not more than 6 kW as determined in accordance with AS 4553—2000 and has an energy star rating determined in accordance with AS 4553—2000 of—
 - (i) not less than 4.0 and not more than 4.9: 9.61;
 - (ii) 5 or more: 10.55;
- (c) If the product provides a rated output heating capacity of more than 6 kW as determined in accordance with AS 4553—2000 and has an energy star rating when determined in accordance with AS 4553—2000 of—
 - (i) not less than 4.0 and not more than 4.9: 13.22;
 - (ii) 5 or more: 14.39.

9A Regional factor:

- (a) If the product has an energy star rating determined in accordance with AS 4553—2000 of not less than 4.0 and not more than 4.9 and—
 - (i) is installed in metropolitan Victoria: 1.00;
 - (ii) is installed in regional Victoria—climatic region Mild: 0.22;
 - (iii) is installed in regional Victoria—climatic region Cold: 0.36;
 - (iv) is installed in regional Victoria—climatic region Hot: 0.15;

Sch. 9 Pt B
item 9A
Regional
factor:
amended by
S.R. No.
167/2015
reg. 11(b).

(b) If the product has an energy star rating determined in accordance with AS 4553—2000 of 5·0 or more and—

- (i) is installed in metropolitan Victoria: 1·00;
- (ii) is installed in regional Victoria—
climatic region Mild: 0·29;
- (iii) is installed in regional Victoria—
climatic region Cold: 0·46;
- (iv) is installed in regional Victoria—
climatic region Hot: 0·20.

Sch. 9 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

- 9A At the beginning of the day on which the installed product is first able to produce and deliver heating.

Schedule 10—Space air to air heat pump

Regulation 6(1)(j)

Prescribed activity under regulation 6(1)(j): *Installing a space air to air heat pump that complies with the criteria specified in Part A of Schedule 10.*

Sch. 10
amended by
S.R. Nos
146/2011
reg. 19, 6/2012
reg. 18,
167/2015
reg. 12(1).

Part A—Criteria

Item

10A A product that—

- (a) complies with the MEPS requirement set out in column 4 of Table 3.1 of AS/NZS 3823.2:2013; and
- (b) achieves an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013 when tested in accordance with AS/NZS 3823.1.1:2012, of not less than 4; and
- (c) has a heating capacity, as determined in accordance with AS/NZS 3823.1.1:2012, of not less than 2 kW at the H1 temperature condition; and
- (d) is listed in the ESC register.

Sch. 10 Pt A
item 10A
substituted by
S.R. No.
167/2015
reg. 12(2).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Sch. 10 Pt B
amended by
S.R. No.
32/2012
reg. 20.

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 10—Space air to air heat pump

Item

Sch. 10 Pt B
item 10A
Abatement
factor:
substituted by
S.R. No.
167/2015
reg. 12(3).

10A Abatement factor:

- (a) If the product has a heating capacity, as determined in accordance with AS/NZS 3823.1.1:2012, of not less than 2 and not more than 2.99 kW at the H1 temperature condition and has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of—
- | | |
|--|-------|
| (i) not less than 4 and not more than 4.49: | 4.64; |
| (ii) not less than 4.5 and not more than 4.99: | 5.48; |
| (iii) not less than 5 and not more than 5.49: | 6.14; |
| (iv) 5.5 or more: | 6.69; |
- (b) If the product has a heating capacity, as determined in accordance with AS/NZS 3823.1.1:2012, of not less than 3 and not more than 6 kW at the H1 temperature condition and has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of—
- | | |
|--|--------|
| (i) not less than 4 and not more than 4.49: | 8.33; |
| (ii) not less than 4.5 and not more than 4.99: | 9.91; |
| (iii) not less than 5 and not more than 5.49: | 11.17; |
| (iv) 5.5 or more: | 12.20; |
- (c) If the product has a heating capacity, as determined in accordance with AS/NZS 3823.1.1:2012, of more than 6 kW at the H1 temperature condition and has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of—

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 10—Space air to air heat pump

(i) not less than 4 and not more than 4.49:	11.51;
(ii) not less than 4.5 and not more than 4.99:	13.42;
(iii) not less than 5 and not more than 5.49:	14.95;
(iv) 5.5 or more:	16.20.
10A Regional factor:	
(a) If the product has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of not less than 4 and is installed in metropolitan Victoria:	1.00;
(b) If the product has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of not less than 4 and not more than 4.49 and—	
(i) is installed in regional Victoria—climatic region Mild:	0.12;
(ii) is installed in regional Victoria—climatic region Cold:	0.24;
(iii) is installed in regional Victoria—climatic region Hot:	0.02;
(c) If the product has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of not less than 4.5 and not more than 4.99 and—	
(i) is installed in regional Victoria—climatic region Mild:	0.27;
(ii) is installed in regional Victoria—climatic region Cold:	0.44;
(iii) is installed in regional Victoria—climatic region Hot:	0.16;

Sch. 10 Pt B
item 10A
Regional
factor:
substituted by
S.R. No.
167/2015
reg. 12(4).

- (d) If the product has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of not less than 5 and not more than 5.49 and—
 - (i) is installed in regional Victoria—
climatic region Mild: 0.39;
 - (ii) is installed in regional Victoria—
climatic region Cold: 0.63;
 - (iii) is installed in regional
Victoria—climatic region Hot: 0.29;
- (e) If the product has an annual coefficient of performance, as determined in accordance with AS/NZS 3823.2:2013, of 5.5 or more and—
 - (i) is installed in regional Victoria—
climatic region Mild: 0.50;
 - (ii) is installed in regional Victoria—
climatic region Cold: 0.79;
 - (iii) is installed in regional Victoria—
climatic region Hot: 0.38.

Sch. 10 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Part C—Time at which activity undertaken and reduction in greenhouse gas emissions occurs

Item

- 10A At the beginning of the day on which the installed product is first able to produce and deliver heating.

Schedule 11—Ceiling insulation

Regulation 6(2)(a)

Prescribed activity under regulation 6(2)(a): *Installing a product in accordance with AS3999—2015 published on 23 July 2015 in a ceiling area not previously insulated for a minimum area of 20m², being a product that complies with the criteria specified in Part A of Schedule 11.*

Sch. 11
amended by
S.R. Nos
6/2012 reg. 19,
32/2012
reg. 21(a),
16/2016
reg. 6(1).

Part A—Criteria

Item

11A A product or combination of products—

- (a) that achieves a material R-value of not less than 3.5 when measured in accordance with section 2.3 of AS/NZS 4859.1:2002 incorporating Amendment No. 1 published on 28 December 2006; and
- (b) each of which—
 - (i) is not conductive; and
 - (ii) complies with the performance criteria of AS/NZS 4859.1:2002 incorporating Amendment No. 1 published on 28 December 2006.

Sch. 11 Pt A
item 11A
substituted by
S.R. No.
16/2016
reg. 6(2).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product or products referred to in an item in Part A is calculated by multiplying the area of insulation (m²) by the abatement factor for that item by the regional factor applying to the place where the product or products are installed.

Sch. 11 Pt B
amended by
S.R. No.
32/2012
reg. 21(b).

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 11—Ceiling insulation

The following are the abatement factors and regional factors for each item in Part A:

Item

11A Abatement factor:	0.256;
11A Regional factor:	
(a) If the product or products are installed in metropolitan Victoria:	1.06;
(b) If the product or products are installed in regional Victoria—climatic region Mild:	0.86;
(c) If the product or products are installed in regional Victoria—climatic region Cold:	1.23;
(d) If the product or products are installed in regional Victoria—climatic region Hot:	0.79.

Sch. 11 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

11A At the beginning of the day on which the installation of the product or products is completed.
--

Schedule 12—Under floor insulation

Regulation 6(1)(k)

Prescribed activity under regulation 6(1)(k): *Installing, in respect of a floor area that is not insulated, a product that complies with the criteria specified in Part A of Schedule 12 as under floor insulation for a minimum of 20m² in accordance with AS 3999—1992 published on 16 April 1992 incorporating Amendment No. 1 published on 9 March 2012.*

Sch. 12
amended by
S.R. Nos
6/2012 reg. 20,
32/2012
reg. 22(a).

Part A—Criteria

Item

- 12A A product that complies, or two or more products that, when installed together, comply with the performance requirements of AS/NZS 4859.1:2002 (insulation material) and achieves a minimum winter R-value of 2.5 when measured and labelled in accordance with AS/NZS 4859.1:2002.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

Sch. 12 Pt B
amended by
S.R. No.
32/2012
reg. 22(b).

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product or products referred to in an item in Part A is calculated by multiplying the area of insulation (m²) by the abatement factor for that item by the regional factor applying to the place where the product or products are installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

- | | |
|---|-------|
| 12A Abatement factor: | 0.073 |
| Regional factor: | |
| (a) If the product or products are installed in metropolitan Victoria: | 1.06; |
| (b) If the product or products are installed in regional Victoria—climatic region Mild: | 0.86; |

- (c) If the product or products are installed in regional Victoria—climatic region Cold: 1·23;
- (d) If the product or products are installed in regional Victoria—climatic region Hot: 0·79.

Sch. 12 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

- 12A At the beginning of the day on which the installation of the product or products is completed.

Schedule 13—Thermally efficient window

Regulation 6(1)(l)

Prescribed activity under regulation 6(1)(l): *Installing, in place of one or more windows in an external wall, at least 5m² of glazing or glazed product that complies with the criteria specified in Part A of Schedule 13.*

Sch. 13
amended by
S.R. No.
6/2012 reg. 21.

Part A—Criteria

Item

- 13A A product that complies with the performance requirements of AS 2047—1999 and AS 1288—2006, has a Total U-value of not more than 4, is WERS rated and labelled to a minimum of 4 stars for heating and is listed in the ESC register.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

Sch. 13 Pt B
amended by
S.R. No.
32/2012
reg. 23.

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the area of glazing (m²) by the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

- 13A Abatement factor:

If the product has a WERS rating on heating of—

- | | |
|--|--------|
| (a) not less than 4·0 and not more than 4·9 stars: | 0·394; |
| (b) not less than 5·0 and not more than 5·9 stars: | 0·493; |
| (c) 6·0 or more stars: | 0·591. |

13A Regional factor:

- | | |
|---|-------|
| (a) If the product or products are installed in metropolitan Victoria: | 1·03; |
| (b) If the product or products are installed in regional Victoria—climatic region Mild: | 0·92; |
| (c) If the product or products are installed in regional Victoria—climatic region Cold: | 1·41; |
| (d) If the product or products are installed in regional Victoria—climatic region Hot: | 0·74. |

Sch. 13 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

- 13A At the beginning of the day on which the installation of the product is completed.

Schedule 14—Installation of product on single glazed window raising thermal efficiency

Sch. 14
amended by
S.R. No.
6/2012 reg. 22.

Regulation 6(1)(m)

Prescribed activity under regulation 6(1)(m): *Installing, on one or more
single glazed windows in an external wall for a minimum glazing area of
5m², a product that complies with the criteria specified in Part A of
Schedule 14.*

Part A—Criteria

Item

- 14A A product that, when installed on a single glazed window, results in a still air gap being created between the single glazed window and the product and raises the thermal efficiency performance of the window.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

Sch. 14 Pt B
amended by
S.R. No.
32/2012
reg. 24.

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the area of glazing (m²) by the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

- 14A Abatement factor:

- | | |
|---|--------|
| (a) If the product is glass or acrylic: | 0.213; |
| (b) If the product is window film: | 0.071. |

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 14—Installation of product on single glazed window raising
thermal efficiency

14A Regional factor:

- | | |
|--|-------|
| (a) If the product is installed in metropolitan Victoria: | 1.03; |
| (b) If the product is installed in regional Victoria—climatic region Mild: | 0.92; |
| (c) If the product is installed in regional Victoria—climatic region Cold: | 1.41; |
| (d) If the product is installed in regional Victoria—climatic region Hot: | 0.74. |

Sch. 14 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

- 14A At the beginning of the day on which the installation of the product is completed.

Schedule 15—Weather sealing

Regulation 6(2)(b)

Prescribed activity under regulation 6(2)(b): *Undertaking in the premises one or more of the weather sealing activities referred to in regulation 6AA unless that activity results, or those activities together result, in the volume of air that is exchanged at the premises each hour being less than 50% of the volume of the premises, or the premises failing to comply with Part 3.8.5 of the Building Code as amended from time to time.*

Sch. 15
amended by
S.R. Nos
6/2012 reg. 23,
32/2012
reg. 25,
96/2013 reg. 8,
substituted by
S.R. No.
52/2017 reg. 9.

Part A—Criteria

Item

- 15A A door sealing product or weather stripping product, or a combination of such products—
- (a) each of which is covered by a warranty against defects for a period of at least 2 years from the date of installation; and
 - (b) that is listed on the ESC register as a single product or as a combination of products (as the case requires).
- 15B A window sealing product or weather stripping product, or a combination of such products—
- (a) each of which is covered by a warranty against defects for a period of at least 2 years from the date of installation; and
 - (b) that is listed on the ESC register as a single product or as a combination of products (as the case requires).
- 15C A product, being a ceiling or wall exhaust fan, that—
- (a) expels air either outside or into the roof space of the premises; and
 - (b) is fitted with a self-closing damper, flap, filter or other sealing product that allows airflow through the exhaust of the fan when the fan is operating,

but restricts airflow when the fan is not operating;
and

(c) is covered by a warranty against defects for a period of at least 2 years from the date of installation; and

(d) is listed on the ESC register.

15D A product, being a self-closing damper, flap, filter or other sealing product that—

(a) when installed on a ceiling or wall exhaust fan, allows airflow through the exhaust of the fan when the fan is operating and restricts airflow when the fan is not operating; and

(b) is covered by a warranty against defects for a period of at least 2 years from the date of installation; and

(c) is listed on the ESC register.

15E A product that—

(a) is made of a robust non-shrinking sealing material; and

(b) is covered by a warranty against defects for a period of at least 2 years from the date of installation; and

(c) is listed on the ESC register.

15F A product that—

(a) when fitted to a chimney or flue of an open fireplace used to burn solid fuel when closed—

(i) restricts the airflow into or out of the chimney or flue; and

(ii) allows the fireplace to operate safely and effectively when open; and

(b) is designed to be fitted permanently to the chimney or flue; and

- (c) is covered by a warranty against defects for a period of at least 5 years from the date of installation; and
- (d) is listed on the ESC register.

15G A product that—

- (a) when fitted to a chimney or flue of an open fireplace used to burn solid fuel, restricts the airflow into or out of the chimney or flue; and
- (b) is designed to be installed on a temporary or seasonal basis; and
- (c) is covered by a warranty against defects for a period of at least 2 years from the date of installation; and
- (d) is listed on the ESC register.

15H A product that—

- (a) when installed to cover the ceiling outlet of a ducted evaporative cooling system, restricts airflow from inside the residential premises into the evaporative cooling ductwork; and
- (b) is designed to be installed on a temporary or seasonal basis; and
- (c) is covered by a warranty against defects for a period of at least 2 years from the date of installation; and
- (d) is supplied for installation with instructions regarding—
 - (i) the installation and removal of the product; and
 - (ii) the time of year that the product should be installed and removed; and
- (e) is listed on the ESC register.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by undertaking one or more of the weather sealing activities referred to in regulation 6AA is the sum of the figures obtained by multiplying, for each item in Part A, the number of products or combinations of products referred to in that item that are installed as part of the activity by the abatement factor for that item (or, in the case of item 15B, by the area in m² of the window the frame of which is sealed) and by the regional factor applying to the place where the products or combinations of products are installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

15A Abatement factor:

For each door:

- | | |
|---|---------|
| (a) If the product, or one or more of the products, is covered by a warranty against defects for a period of at least 2 years, but less than 5 years: | 0.3025; |
| (b) If the product, or each of the products, is covered by a warranty against defects for a period of at least 5 years: | 0.605. |

15B Abatement factor:

For each m² of the window, the frame of which is sealed:

- | | |
|---|---------|
| (a) If the product, or one or more of the products, is covered by a warranty against defects for a period of at least 2 years, but less than 5 years: | 0.0135; |
|---|---------|

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 15—Weather sealing

	(b) If the product, or each of the products, is covered by a warranty against defects for a period of at least 5 years:	0·027.
15C	Abatement factor:	
	For each exhaust fan:	
	(a) If the warranty against defects covers a period of at least 2 years, but less than 5 years:	0·464;
	(b) If the warranty against defects covers a period of at least 5 years:	0·928.
15D	Abatement factor:	
	For each exhaust fan:	
	(a) If the warranty against defects covers a period of at least 2 years, but less than 5 years:	0·899;
	(b) If the warranty against defects covers a period of at least 5 years:	1·798.
15E	Abatement factor:	
	For each ventilation opening sealed or closed:	
	(a) If the warranty against defects covers a period of at least 2 years, but less than 5 years:	0·118;
	(b) If the warranty against defects covers a period of at least 5 years:	0·236.
15F	Abatement factor:	
	For each chimney or flue in which a product is installed:	5·234.
15G	Abatement factor	
	For each chimney or flue in which a product is installed:	2·617.

15H Abatement factor:

For each evaporative cooling cover installed:

- | | |
|---|--------|
| (a) If the warranty against defects covers a period of at least 2 years, but less than 5 years: | 0.119; |
| (b) If the warranty against defects covers a period of at least 5 years: | 0.238. |

15A–15G Regional factor:

- | | |
|---|-------|
| (a) If the prescribed activity is undertaken in metropolitan Victoria: | 1.05; |
| (b) If the prescribed activity is undertaken in regional Victoria—climatic region Mild: | 0.84; |
| (c) If the prescribed activity is undertaken in regional Victoria—climatic region Cold: | 1.32; |
| (d) If the prescribed activity is undertaken in regional Victoria—climatic region Hot: | 0.69. |

15H Regional factor:

- | | |
|---|-------|
| (a) If the prescribed activity is undertaken in metropolitan Victoria: | 1.05; |
| (b) If the prescribed activity is undertaken in regional Victoria—climatic region Mild: | 0.84; |
| (c) If the prescribed activity is undertaken in regional Victoria—climatic region Cold: | 1.93; |
| (d) If the prescribed activity is undertaken in regional Victoria—climatic region Hot: | 0.78. |

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

The time at which the activity is taken to have been undertaken, and the time at which the reduction in greenhouse gas emissions resulting from that activity is taken to have occurred, is—

- (a) if one or more products referred to in item 15C of Part A is installed as part of the activity, the beginning of whichever of the following days is later—
 - (i) the day on which the last of those products is installed;
 - (ii) the day of the decommissioning of the last of the ceiling or wall exhaust fans in place of which those products were installed; or
- (b) otherwise, the beginning of the day on which the last of the products or combinations of products is installed as part of the activity.

* * * * *

Sch. 16
revoked by
S.R. No.
127/2010
reg. 11.

Sch. 17
amended by
S.R. Nos
146/2011
reg. 20, 6/2012
reg. 24(a)(b).

Schedule 17—Low flow shower rose

Regulation 6(1)(n)

Prescribed activity under regulation 6(1)(n): *Decommissioning a non-low flow shower rose (not being a shower rose rated as having a 3 star or higher water efficiency when assessed and labelled in accordance with AS/NZS 6400:2005 reissued in December 2006) and installing a low flow shower rose that complies with the criteria specified in Part A of Schedule 17.*

Part A—Criteria

Item

- 17A A product complying with the requirements of AS/NZS 3662:2005 and that achieves a minimum 3 star rating when assessed and labelled in accordance with AS/NZS 6400:2005.

Sch. 17 Pt B
amended by
S.R. Nos
6/2012
reg. 24(c),
32/2012
reg. 26.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the decommissioning of a non-low flow shower rose and the installation of a product referred to in an item in Part A is calculated by multiplying the number of products installed (not being more than 2 if installed in residential premises) by the abatement factor for that item and multiplying the result by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

- 17A Abatement factor: 2.14.

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 17—Low flow shower rose

17A Regional factor:

- | | |
|---|-------|
| (a) If the product is installed in metropolitan Victoria: | 0.85; |
| (b) If the product is installed in regional Victoria: | 1.40. |

**Part C—Time at which activity undertaken
and reduction in greenhouse gas emissions
occurs**

Sch. 17 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

- 17A At the beginning of the day which is the later of the day on which the installation of the product is completed and the day on which the non-low flow shower rose is decommissioned.

* * * * *

Sch. 18
revoked by
S.R. No.
127/2010
reg. 11.

Sch. 19
amended by
S.R. Nos
146/2011
reg. 21, 6/2012
reg. 25.

Schedule 19—Destruction of pre-1996 refrigerator or freezer

Regulation 6(1)(o)

Prescribed activity under regulation 6(1)(o): *Removing from the premises a refrigerator or freezer manufactured before 1996 and in working order and destroying the refrigerator or freezer in accordance with the criteria specified in Part A of Schedule 19.*

Sch. 19 Pt A
amended by
S.R. No.
32/2012
reg. 27(a).

Part A—Criteria

Item

- 19A Destruction by the disposal, in accordance with the Ozone Protection and Synthetic Greenhouse Gas Management Act 1989 of the Commonwealth, of scheduled substances (within the meaning of that Act) contained in the refrigerator or freezer manufactured before 1996 and removed from the premises.

Sch. 19 Pt B
amended by
S.R. No.
32/2012
reg. 27(b)(c).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the removal and destruction of an item referred to in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the premises from which the item is removed is situated.

The following are the abatement factors and regional factors for each item in Part A:

Item

- 19A Abatement factor:

- | | |
|--|-------|
| (a) Single door refrigerator or freezer: | 3.25; |
| (b) Two door refrigerator or freezer: | 5.82. |

19A Regional factor:

- (a) If the premises from which
the item is removed are in metropolitan
Victoria: 0.98;
- (b) If the premises from which the
item is removed are in regional Victoria: 1.04.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 19 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

- 19A At the beginning of the day which is the later of the day on
which the refrigerator or freezer is removed from the
premises and the day on which it is destroyed.

Sch. 19 Pt C
amended by
S.R. No.
32/2012
reg. 27(d).

Sch. 20
revoked by
S.R. No.
127/2010
reg. 12,
new Sch. 20
inserted by
S.R. No.
127/2010
reg. 13,
amended by
S.R. Nos
6/2012 reg. 26,
24/2013 reg. 8.

Schedule 20—High efficiency ducted gas heater

Regulation 6(1)(p)

Prescribed activity under regulation 6(1)(p): *Installing a high efficiency ducted gas heater that complies with the criteria specified in Part A of Schedule 20 in premises where no other central heating or cooling product is installed.*

Part A—Criteria

Item

- 20A Ducted gas heater certified by an accredited body to achieve a minimum 5 star rating when tested and rated in accordance with AS 4556–2000 with a minimum rated output heating capacity of 10 kW as determined in accordance with AS 4556–2000 and listed in the ESC register.

Sch. 20 Pt B
amended by
S.R. No.
32/2012
reg. 28.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

- 20A Abatement factor:
- (a) if the product has a rated output heating capacity of not less than 10 and not more than 18 kW as determined in accordance with AS 4556–2000 and has a star rating determined in accordance with AS 4556–2000 of—

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 20—High efficiency ducted gas heater

- (i) not less than 5 and not more than 5.49: 4.12;
 - (ii) 5.5 or more: 4.99;
- (b) if the product has a rated output heating capacity of more than 18 and not more than 28 kW as determined in accordance with AS 4556–2000 and has a star rating determined in accordance with AS 4556–2000 of—
 - (i) not less than 5 and not more than 5.49: 4.30;
 - (ii) 5.5 or more: 5.20;
- (c) if the product has a rated output heating capacity of more than 28 kW as determined in accordance with AS 4556–2000 and has a star rating determined in accordance with AS 4556–2000 of—
 - (i) not less than 5 and not more than 5.49: 5.92;
 - (ii) 5.5 or more: 7.16.

20A Regional factor:

- (a) If the product is installed in metropolitan Victoria: 1.00;
- (b) If the product is installed in regional Victoria—climatic region Mild: 1.00;
- (c) If the product is installed in regional Victoria—climatic region Cold: 1.61;
- (d) If the product is installed in regional Victoria—climatic region Hot: 0.71.

Sch. 20 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

- 20A At the beginning of the day on which the installed product
is first able to produce and deliver ducted gas heating.

Schedule 21—Incandescent lighting

Regulation 6(1)(q)

Prescribed activity under regulation 6(1)(q): *Installing lamps that comply with the criteria specified in Part A of Schedule 21 in place of incandescent lamps that do not comply with those criteria and decommissioning the non-complying lamps.*

Part A—Criteria

Item

- 21A Installation of low energy GLS (general lighting service) lamp in place of a mains voltage incandescent GLS lamp of at least 25 watts (tungsten filament type) or 18 watts (tungsten halogen type), being a product that—
- (a) has a light output equivalent to the replaced lamp; and
 - (b) if the product is a compact fluorescent lamp, complies with MEPS in accordance with AS/NZS 4847.2:2010; and
 - (c) if the product is not a compact fluorescent lamp and meets the following requirements—
 - (i) the compliance requirements for compact fluorescent lamps set out in Table 1 of AS/NZS 4847.2:2010; or
 - (ii) if the ESC register indicates that different requirements are to apply to the product, the performance requirements specified for the product on the ESC's Internet site; and
 - (d) achieves minimum lighting source efficacy levels of—
 - (i) 40 lumens/watt where light output is less than 350 lumens; or
 - (ii) 45 lumens/watt where light output is 350 lumens or more and less than 650 lumens; or

Sch. 21
(Heading)
substituted by
S.R. No.
32/2012
reg. 29(1).

Sch. 21
inserted by
S.R. No.
127/2010
reg. 13,
amended by
S.R. Nos
146/2011
reg. 22(a)(b),
6/2012 reg. 27.

Sch. 21 Pt A
item 21A(c)
substituted by
S.R. No.
167/2015
reg. 18(1)(a).

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Sch. 21 Pt A
item 21A(g)
substituted by
S.R. No.
167/2015
reg. 18(1)(b).

Sch. 21 Pt A
item 21A(h)
inserted by
S.R. No.
167/2015
reg. 18(1)(b).

- (iii) 52 lumens/watt where light output is 650 lumens or more and less than 850 lumens; or
- (iv) 55 lumens/watt where light output is 850 lumens or more; and
- (e) if the lamp is to be installed in a dimmable circuit, is approved by the manufacturer as suitable for such a circuit; and
- (f) has a minimum manufacturer's rated lifetime of 8000 hours; and
- (g) has a colour temperature that is, or is capable of being set to, warm white (2700K to 3500K) or cool white (3500K to 4000K); and
- (h) is listed in the ESC register.

21B Installation of low energy reflector lamp in place of a mains voltage incandescent reflector lamp, being a product that—

Sch. 21 Pt A
item 21B(b)
substituted by
S.R. No.
167/2015
reg. 18(2)(a).

- (a) has a light output equivalent to the replaced lamp; and
- (b) meets the following requirements—
 - (i) the compliance requirements for compact fluorescent lamps set out in Table 1 of AS/NZS 4847.2:2010; or
 - (ii) if the ESC register indicates that different requirements are to apply to the product, the performance requirements specified for the product on the ESC's Internet site; and

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| (c) achieves minimum lighting source efficacy levels of 45 lumens/watt; and | Sch. 21 Pt A
item 21B(c)
amended by
S.R. No.
167/2015
reg. 18(2)(b). |
| (d) has a minimum manufacturer's rated lifetime of 12 000 hours; and | Sch. 21 Pt A
item 21B(d)
amended by
S.R. No.
167/2015
reg. 18(2)(c). |
| (e) if the lamp is to be installed in a dimmable circuit, is approved by the manufacturer as suitable for such a circuit; and | |
| (f) has a colour temperature that is, or is capable of being set to, warm white (2700K to 3500K) or cool white (3500K to 4000K). | Sch. 21 Pt A
item 21B(f)
amended by
S.R. No.
167/2015
reg. 18(2)(d). |
- 21C Installation of low energy lamp in place of an existing 12 volt halogen lamp of at least 35 watts being a product that is compatible with the type of transformer or converter used with the replaced halogen lamp and that—
- | | |
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| (a) if the lamp is to be installed in a dimmable circuit, is approved by the manufacturer as suitable for such a circuit; and | |
| (b) has the following characteristics— | |
| (i) the compliance requirements for compact fluorescent lamps set out in Table 1 of AS/NZS 4847.2:2010 or, if the ESC register indicates that different requirements are to apply to the product, the performance requirements specified for the product on the ESC's Internet site; and | Sch. 21 Pt A
item 21C(b)(i)
substituted by
S.R. No.
167/2015
reg. 18(3)(a). |

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Sch. 21 Pt A
item 21C(b)(ii)
amended by
S.R. No.
167/2015
reg. 18(3)(b).

(ii) achieves minimum lighting source efficacy levels of 52 lumens/watt; and

Sch. 21 Pt A
item 21C(b)(iii)
amended by
S.R. No.
167/2015
reg. 18(3)(c).

(iii) has a minimum light output of 420 lumens in the forward direction; and

Sch. 21 Pt A
item 21C(b)(iv)
amended by
S.R. No.
167/2015
reg. 18(3)(d).

(iv) has a minimum manufacturer's rated lifetime of 15 000 hours; and

Sch. 21 Pt A
item 21C(b)(v)
amended by
S.R. No.
167/2015
reg. 18(3)(e).

(v) has a colour temperature that is, or is capable of being set to, warm white (2700K to 3500K) or cool white (3500K to 4000K); and

Sch. 21 Pt A
item 21C(b)(vi)
amended by
S.R. No.
146/2011
reg. 22(c),
substituted by
S.R. No.
167/2015
reg. 18(3)(f).

(vi) in the case of a product installed in residential premises, has a beam angle of not less than 50 degrees when determined in accordance with IEC/TR 61341 Edition 2.0; and

Sch. 21 Pt A
item 21C(c)
inserted by
S.R. No.
167/2015
reg. 18(3)(g).

(c) is listed in the ESC register.

21D Installation of a mains voltage low energy downlight fitting in place of an existing 12 volt halogen downlight fitting that uses a 12 volt halogen lamp of at least 35 watts, being a product that—

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| <p>(a) if the downlight fitting and lamp are to be installed in a dimmable circuit, is approved by the manufacturer as suitable for such a circuit; and</p> <p>(b) uses a lamp that has the following characteristics—</p> <ul style="list-style-type: none">(i) the compliance requirements for compact fluorescent lamps set out in Table 1 of AS/NZS 4847.2:2010 or, if the ESC register indicates that different requirements are to apply to the product, the performance requirements specified for the product on the ESC's Internet site; and(ii) achieves a minimum lighting source efficacy of 48 lumens/watt; and(iii) has a minimum light output of 400 lumens in the forward direction; and(iv) has a minimum manufacturer's rated lifetime of 15 000 hours; and(v) has a colour temperature that is, or is capable of being set to, warm white (2700K to 3500K) or cool white (3500K to 4000K); and | <p>Sch. 21 Pt A
item 21D(b)(i)
substituted by
S.R. No.
167/2015
reg. 18(4)(a)(i).</p> <p>Sch. 21 Pt A
item 21D(b)(ii)
amended by
S.R. No.
167/2015
reg. 18
(4)(a)(ii).</p> <p>Sch. 21 Pt A
item 21D(b)(iii)
amended by
S.R. Nos
146/2011
reg. 22(d),
167/2015
reg. 18
(4)(a)(iii).</p> <p>Sch. 21 Pt A
item 21D(b)(iv)
amended by
S.R. No.
167/2015
reg. 18
(4)(a)(iv).</p> <p>Sch. 21 Pt A
item 21D(b)(v)
amended by
S.R. No.
167/2015
reg. 18
(4)(a)(v).</p> |
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Sch. 21 Pt A
item 21D(b)(vi)
amended by
S.R. No.
146/2011
reg. 22(e),
substituted by
S.R. No.
167/2015
reg. 18
(4)(a)(vi).

- (vi) in the case of a product installed in residential premises, has a beam angle of not less than 40 degrees when determined in accordance with IEC/TR 61341 Edition 2.0; and

Sch. 21 Pt A
item 21D(c)
inserted by
S.R. No.
167/2015
reg. 18(4)(b).

- (c) is listed in the ESC register.

Sch. 21 Pt A
item 21E
inserted by
S.R. No.
167/2015
reg. 17(1).

21E Installation, in place of a mains voltage halogen lamp of at least 35 watts with a GU10 base, of a low energy lamp that—

- (a) has a GU10 base; and
- (b) meets the following requirements—
 - (i) the compliance requirements for compact fluorescent lamps set out in Table 1 of AS/NZS 4847.2:2010; or
 - (ii) if the ESC register indicates that different requirements are to apply to the lamp, the performance requirements specified for the lamp on the ESC's Internet site; and
- (c) achieves a minimum lighting source efficacy of 48 lumens/watt; and
- (d) has a minimum light output of 400 lumens in the forward direction; and
- (e) has a minimum manufacturer's rated lifetime of 15 000 hours; and
- (f) has a colour temperature that is, or is capable of being set to, warm white (2700K to 3500K) or cool white (3500K to 4000K); and

- (g) if the lamp is to be installed in a dimmable circuit, is approved by the manufacturer as suitable for a dimmable circuit; and
 - (h) if the lamp is to be installed in residential premises, has a beam angle of not less than 36 degrees when determined in accordance with IEC/TR 61341 Edition 2.0; and
 - (i) is listed in the ESC register.
- 21F Installation, in place of an existing mains voltage halogen downlight fitting that uses a halogen lamp with a GU10 base of at least 35 watts, of a mains voltage low energy downlight fitting that—
- (a) uses a lamp that—
 - (i) meets the following requirements—
 - (A) the compliance requirements for compact fluorescent lamps set out in Table 1 of AS/NZS 4847.2:2010; or
 - (B) if the ESC register indicates that different requirements are to apply to the lamp, the performance requirements specified for the lamp on the ESC's Internet site; and
 - (ii) achieves a minimum lighting source efficacy of 48 lumens/watt; and
 - (iii) has a minimum light output of 400 lumens in the forward direction; and
 - (iv) has a minimum manufacturer's rated lifetime of 15 000 hours; and
 - (v) has a colour temperature that is, or is capable of being set to, warm white (2700K to 3500K) or cool white (3500K to 4000K); and
 - (b) if the fitting and lamp are to be installed in a dimmable circuit, is approved by the manufacturer as suitable for a dimmable circuit; and

Sch. 21 Pt A
item 21F
inserted by
S.R. No.
16/2016
reg. 7(1).

- (c) if the fitting and lamp are to be installed in residential premises, has a beam angle of not less than 36 degrees when determined in accordance with IEC/TR 61341 Edition 2.0; and
- (d) is listed in the ESC register.

Sch. 21 Pt B
amended by
S.R. No.
32/2012
reg. 29(2).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product or products referred to in an item in Part A is the sum of the figures obtained by multiplying the number of lamps installed in the premises under each item in Part A by the abatement factor for that item by the PF multiplier for that item and by the regional factor applying to the place where the product or products are installed.

The following are the abatement factors, PF multipliers and regional factors for each item in Part A:

Item

21A Abatement factor:

- (a) The abatement factor for a product that achieves a minimum lighting source efficacy of—
 - (i) 40 lumens/watt where light output is less than 350 lumens; or
 - (ii) 45 lumens/watt where light output is 350 lumens or more and less than 650 lumens; or
 - (iii) 52 lumens/watt where light output is 650 lumens or more and less than 850 lumens; or
 - (iv) 55 lumens/watt where light output is 850 lumens or more—

and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor

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shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	8000 or more and less than 10 000	0.20
2	10 000 or more and less than 12 000	0.25
3	12 000 or more and less than 15 000	0.30
4	15 000 or more and less than 20 000	0.37
5	20 000 or more and less than 25 000	0.50
6	25 000 or more	0.62

Sch. 21 Pt B
item 21A(a)
(Table)
amended by
S.R. No.
167/2015
reg. 18(5)(a).

- (b) The abatement factor for a product that achieves a minimum lighting source efficacy of—
- (i) 48 lumens/watt where light output is less than 350 lumens; or
 - (ii) 54 lumens/watt where light output is 350 lumens or more and less than 650 lumens; or
 - (iii) 62 lumens/watt where light output is 650 lumens or more and less than 850 lumens; or
 - (iv) 66 lumens/watt where light output is 850 lumens or more—

and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

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Sch. 21 Pt B
item 21A(b)
(Table)
amended by
S.R. No.
167/2015
reg. 18(5)(b).

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	8000 or more and less than 10 000	0.22
2	10 000 or more and less than 12 000	0.27
3	12 000 or more and less than 15 000	0.33
4	15 000 or more and less than 20 000	0.41
5	20 000 or more and less than 25 000	0.55
6	25 000 or more	0.68

- (c) The abatement factor for a product that achieves a minimum lighting source efficacy of—
- (i) 58 lumens/watt where light output is less than 350 lumens; or
 - (ii) 65 lumens/watt where light output is 350 lumens or more and less than 650 lumens; or
 - (iii) 75 lumens/watt where light output is 650 lumens or more and less than 850 lumens; or
 - (iv) 79 lumens/watt where light output is 850 lumens or more—

and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	8000 or more and less than 10 000	0.23
2	10 000 or more and less than 12 000	0.29
3	12 000 or more and less than 15 000	0.34
4	15 000 or more and less than 20 000	0.43
5	20 000 or more and less than 25 000	0.57
6	25 000 or more	0.72

Sch. 21 Pt B
item 21A(c)
(Table)
amended by
S.R. No.
167/2015
reg. 18(5)(c).

- (d) The abatement factor for a product that achieves a minimum lighting source efficacy of—
- (i) 69 lumens/watt where light output is less than 350 lumens; or
 - (ii) 78 lumens/watt where light output is 350 lumens or more and less than 650 lumens; or
 - (iii) 90 lumens/watt where light output is 650 lumens or more and less than 850 lumens; or
 - (iv) 95 lumens/watt where light output is 850 lumens or more—

Sch. 21 Pt B
item 21A(d)
inserted by
S.R. No.
167/2015
reg. 18(5)(d).

and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	8000 or more and less than 10 000	0.24
2	10 000 or more and less than 12 000	0.30
3	12 000 or more and less than 15 000	0.36
4	15 000 or more and less than 20 000	0.45
5	20 000 or more and less than 25 000	0.60
6	25 000 or more	0.75

Sch. 21 Pt B
item 21B
substituted by
S.R. No.
167/2015
reg. 18(6).

21B Abatement factor:

- (a) The abatement factor for a product that achieves a minimum lighting source efficacy of 45 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	12 000 or more and less than 15 000	0.40
2	15 000 or more and less than 20 000	0.50
3	20 000 or more and less than 25 000	0.67
4	25 000 or more	0.83

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- (b) The abatement factor for a product that achieves a minimum lighting source efficacy of 54 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	12 000 or more and less than 15 000	0.41
2	15 000 or more and less than 20 000	0.51
3	20 000 or more and less than 25 000	0.68
4	25 000 or more	0.85

- (c) The abatement factor for a product that achieves a minimum lighting source efficacy of 65 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	12 000 or more and less than 15 000	0.42
2	15 000 or more and less than 20 000	0.52
3	20 000 or more and less than 25 000	0.70
4	25 000 or more	0.87

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- (d) The abatement factor for a product that achieves a minimum lighting source efficacy of 78 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	12 000 or more and less than 15 000	0.42
2	15 000 or more and less than 20 000	0.53
3	20 000 or more and less than 25 000	0.71
4	25 000 or more	0.88

Sch. 21 Pt B
item 21C
amended by
S.R. No.
146/2011
reg. 22(f),
substituted by
No. 167/2015
reg. 18(6).

21C Abatement factor:

- (a) The abatement factor for a product that achieves a minimum lighting source efficacy of 52 lumens/watt or more but less than 62 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.44
2	20 000 or more and less than 25 000	0.59
3	25 000 or more	0.74

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- (b) The abatement factor for a product that achieves a minimum lighting source efficacy of 62 lumens/watt or more but less than 75 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.47
2	20 000 or more and less than 25 000	0.63
3	25 000 or more	0.78

- (c) The abatement factor for a product that achieves a minimum lighting source efficacy of 75 lumens/watt or more but less than 90 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.49
2	20 000 or more and less than 25 000	0.66
3	25 000 or more	0.82

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- (d) The abatement factor for a product that achieves a minimum lighting source efficacy of 90 lumens/watt or more and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.51
2	20 000 or more and less than 25 000	0.68
3	25 000 or more	0.85

Sch. 21 Pt B
item 21D
amended by
S.R. No.
146/2011
reg. 22(g),
substituted by
No. 167/2015
reg. 18(6).

21D Abatement factor:

- (a) The abatement factor for a product that achieves a minimum lighting source efficacy of 48 lumens/watt or more but less than 58 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.46
2	20 000 or more and less than 25 000	0.61
3	25 000 or more	0.76

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- (b) The abatement factor for a product that achieves a minimum lighting source efficacy of 58 lumens/watt or more but less than 69 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.48
2	20 000 or more and less than 25 000	0.64
3	25 000 or more	0.80

- (c) The abatement factor for a product that achieves a minimum lighting source efficacy of 69 lumens/watt or more but less than 83 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.50
2	20 000 or more and less than 25 000	0.67
3	25 000 or more	0.83

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- (d) The abatement factor for a product that achieves a minimum lighting source efficacy of 83 lumens/watt or more but less than 100 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.52
2	20 000 or more and less than 25 000	0.69
3	25 000 or more	0.86

- (e) The abatement factor for a product that achieves a minimum lighting source efficacy of 100 lumens/watt or more and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.53
2	20 000 or more and less than 25 000	0.71
3	25 000 or more	0.88

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21E-21F Abatement factor:

- (a) The abatement factor for a product that achieves a minimum lighting source efficacy of 48 lumens/watt or more but less than 58 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.56
2	20 000 or more and less than 25 000	0.74
3	25 000 or more	0.93

- (b) The abatement factor for a product that achieves a minimum lighting source efficacy of 58 lumens/watt or more but less than 69 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.58
2	20 000 or more and less than 25 000	0.78
3	25 000 or more	0.97

Sch. 21 Pt B
item 21E
Abatement
factor:
(Heading)
substituted as
item 21E-21F
Abatement
factor:
(heading) by
S.R. No.
16/2016
reg. 7(2)(a).

Sch. 21 Pt B
item 21E
inserted by
S.R. No.
167/2015
reg. 17(2).

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- (c) The abatement factor for a product that achieves a minimum lighting source efficacy of 69 lumens/watt or more but less than 83 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.60
2	20 000 or more and less than 25 000	0.80
3	25 000 or more	1.00

- (d) The abatement factor for a product that achieves a minimum lighting source efficacy of 83 lumens/watt or more but less than 100 lumens/watt and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.62
2	20 000 or more and less than 25 000	0.82
3	25 000 or more	1.03

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- (e) The abatement factor for a product that achieves a minimum lighting source efficacy of 100 lumens/watt or more and has a manufacturer's rated lifetime of a number of hours in the range specified, in respect of an item, in column 2 of the following Table is the factor shown in column 3 of that Table in respect of that item.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
1	15 000 or more and less than 20 000	0.63
2	20 000 or more and less than 25 000	0.84
3	25 000 or more	1.05

21A-21F PF multiplier:

- (a) If the power factor of the product determined in accordance with AS/NZS 4847.1:2010 is less than 0.9: 1.00;
- (b) If the power factor of the product determined in accordance with AS/NZS 4847.1:2010 is 0.9 or more: 1.05.

Sch. 21 Pt B
item 21A-21D
PF multiplier:
(Heading)
substituted as
Sch. 21 Pt B
item 21A-21E
PF multiplier:
(Heading) by
S.R. No.
167/2015
reg. 17(3)(a),
substituted as
21A-21F
multiplier:
(Heading) by
S.R. No.
16/2016
reg. 7(2)(b).

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Sch. 21 Pt B
item 21A–21D
Regional
factor:
(Heading)
substituted as
Sch. 21 Pt B
item 21A–21E
Regional
factor:
(Heading) by
S.R. No.
167/2015
reg. 17(3)(b),
substituted as
Sch. 21 Pt B
item 21A–21F:
Regional
factor:
(Heading) by
S.R. No.
16/2016
reg. 7(2)(c).

21A–21F Regional factor:

- (a) If the product or products are installed in metropolitan Victoria: 0.98;
- (b) If the product or products are installed in regional Victoria: 1.04.

Sch. 21 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

Sch. 21 Pt C
item 21A–21D
(Heading)
substituted as
Sch. 21 Pt C
item 21A–21E
(Heading) by
S.R. No.
167/2015
reg. 17(4),
substituted as
item 21A–21F:
(Heading) by
S.R. No.
16/2016
reg. 7(3).

- 21A–21F At the beginning of the day which is the later of the day on which the installation of the product or products is completed and the day on which the replaced lamps are decommissioned.

Schedule 22—High efficiency refrigerators and freezers

Regulation 6(1)(r)

Prescribed activity under regulation 6(1)(r): *Installing a high efficiency refrigerator or high efficiency freezer that complies with the criteria specified in Part A of Schedule 22.*

Sch. 22
inserted by
S.R. No.
127/2010
reg. 13,
amended by
S.R. Nos
146/2011
reg. 23, 6/2012
reg. 28.

Part A—Criteria

Item

22A Single door refrigerator listed in the ESC register—

- (a) being a Group 1 refrigerator as defined by AS/NZS 4474.1:1997 or AS/NZS 4474.1:2007; and
- (b) having a total volume as determined in accordance with AS/NZS 4474.1:1997 or AS/NZS 4474.1:2007 of not less than 100 litres and not more than 500 litres; and
- (c) having a minimum star rating index of 2·0 as determined in accordance with AS/NZS 4474.2:2009.

22B Two door refrigerator listed in the ESC register—

- (a) being a Group 4, 5B, 5S or 5T refrigerator as defined by AS/NZS 4474.1:1997 or AS/NZS 4474.1:2007; and
- (b) having a total volume as determined in accordance with AS/NZS 4474.1:1997 or AS/NZS 4474.1:2007 of not less than 100 litres and not more than 700 litres; and
- (c) having a minimum star rating index of 2·7 as determined in accordance with AS/NZS 4474.2:2009.

22C Chest freezer listed in the ESC register—

- (a) being a Group 6C product as defined by AS/NZS 4474.1:1997 or AS/NZS 4474.1:2007; and

- (b) having a total volume as determined in accordance with AS/NZS 4474.1:1997 or AS/NZS 4474.1:2007 of not less than 100 litres and not more than 700 litres; and
- (c) having a minimum star rating index of 3·3 as determined in accordance with AS/NZS 4474.2:2009.

22D Upright freezer listed in the ESC register—

- (a) being a Group 6U or 7 product as defined by AS/NZS 4474.1:1997 or AS/NZS 4474.1:2007; and
- (b) having a total volume as determined in accordance with AS/NZS 4474.1:1997 or AS/NZS 4474.1:2007 of not less than 100 litres and not more than 400 litres; and
- (c) having a minimum star rating index of 2·5 as determined in accordance with AS/NZS 4474.2:2009.

Sch. 22 Pt B
amended by
S.R. No.
32/2012
reg. 30.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

22A Abatement factor:

$$\{[0.9126 \times (200 + 4 \times V_{ff}^{0.67})] - \text{CEC}\} \times 0.01392$$

where V_{ff} is the volume in litres of the fresh food compartment of the product and CEC is the comparative energy consumption specified on the energy rating label as defined by AS/NZS 4474.2:2009.

22B Abatement factor:

$$\{[0.6954 \times (150 + 8.8 \times (V_{ff} + 1.6 \times V_{fr})^{0.67})] - CEC\} \times 0.01392$$

where V_{ff} is the volume in litres of the fresh food compartment of the product, V_{fr} is the volume of the freezer compartment and CEC is the comparative energy consumption specified on the energy rating label as defined by AS/NZS 4474.2:2009.

22C Abatement factor:

$$\{[0.6329 \times (150 + 7.5 \times (1.6 \times V_{fr})^{0.67})] - CEC\} \times 0.01719$$

where V_{fr} is the volume of the freezer compartment and CEC is the comparative energy consumption specified on the energy rating label as defined by AS/NZS 4474.2:2009.

22D Abatement factor:

$$\{[0.77 \times (150 + 7.5 \times (1.6 \times V_{fr})^{0.67})] - CEC\} \times 0.01719$$

where V_{fr} is the volume of the freezer compartment and CEC is the comparative energy consumption specified on the energy rating label as defined by AS/NZS 4474.2:2009.

22A–22D Regional factor:

- | | |
|---|-------|
| (a) If the product is installed in metropolitan Victoria: | 0.98; |
| (b) If the product is installed in regional Victoria: | 1.04. |

Part C—Time at which activity undertaken and reduction in greenhouse gas emissions occurs

Sch. 22 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

- 22A–22D At the beginning of the day on which the installation of the product is completed.

Sch. 23
inserted by
S.R. No.
127/2010
reg. 13,
amended by
S.R. No.
6/2012 reg. 29.

Schedule 23—Replacement of refrigerative air conditioner with ducted evaporative cooler

Regulation 6(1)(s)

Prescribed activity under regulation 6(1)(s): *Installing a ducted evaporative cooler that complies with the criteria specified in Part A of Schedule 23 after decommissioning a refrigerative air conditioner (whether or not ducted) that was not located in the rooms specified in regulation 6(1)(s)(i) or (ii).*

Part A—Criteria

Item

23A Installing a ducted evaporative cooler, being a product that—

- (a) complies with and is tested in accordance with AS 2913–2000; and
- (b) has a minimum effective energy efficiency ratio (EER) of 14 based on measurements of nominal rating (kW) and electricity consumption undertaken according to AS 2913–2000 and calculated according to the formula—

$$\text{EER} = 0.2 \times \text{EERFL} + 0.3 \times \text{EER50\%} + 0.5 \times \text{EER20\%}$$

where—

EERFL is the nominal rating (kW) divided by electricity consumption (kW) at rated airflow;

EER50% is the nominal rating (kW) divided by electricity consumption (kW) at 50% rated airflow;

EER20% is the nominal rating (kW) divided by electricity consumption (kW) at 20% rated airflow.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

Sch. 23 Pt B
amended by
S.R. No.
32/2012
reg. 31.

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

23A Abatement factor:

- (1) In the case of replacement of a non-ducted refrigerative system—
 - (a) the product has a nominal rating at full load of not less than 7 and not more than 10 kW as determined in accordance with AS 2913–2000 and an effective energy efficiency ratio of—

(i) 14 or more and less than 20:	2·6;
(ii) 20 or more and less than 30:	3·0;
(iii) 30 or more and less than 40:	3·4;
(iv) 40 or more:	3·5;
 - (b) if the product has a nominal rating at full load of more than 10 and not more than 13 kW as determined in accordance with AS 2913–2000 and an effective energy efficiency ratio of—

(i) 14 or more and less than 20:	4·3;
(ii) 20 or more and less than 30:	5·1;
(iii) 30 or more and less than 40:	5·6;
(iv) 40 or more:	5·9;

- (c) if the product has a nominal rating at full load of more than 13 kW as determined in accordance with AS 2913–2000 and an effective energy efficiency ratio of—
- | | |
|------------------------------------|------|
| (i) 14 or more and less than 20: | 6·5; |
| (ii) 20 or more and less than 30: | 7·6; |
| (iii) 30 or more and less than 40: | 8·4; |
| (iv) 40 or more: | 8·8. |
- (2) In the case of a replacement of a ducted refrigerative system—
- (a) if the product has a nominal rating at full load of not less than 7 and not more than 10 kW as determined in accordance with AS 2913–2000 and an effective energy efficiency ratio of—
- | | |
|------------------------------------|------|
| (i) 14 or more and less than 20: | 5·7; |
| (ii) 20 or more and less than 30: | 6·2; |
| (iii) 30 or more and less than 40: | 6·5; |
| (iv) 40 or more: | 6·7; |
- (b) if the product has a nominal rating at full load of more than 10 and not more than 13 kW as determined in accordance with AS 2913–2000 and an effective energy efficiency ratio of—
- | | |
|------------------------------------|-------|
| (i) 14 or more and less than 20: | 9·6; |
| (ii) 20 or more and less than 30: | 10·3; |
| (iii) 30 or more and less than 40: | 10·8; |
| (iv) 40 or more: | 11·1; |

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S.R. No. 158/2008
Schedule 23—Replacement of refrigerative air conditioner with ducted
evaporative cooler

(c) if the product has a nominal rating at full load of more than 13 kW as determined in accordance with AS 2913–2000 and an effective energy efficiency ratio of—

- | | |
|------------------------------------|-------|
| (i) 14 or more and less than 20: | 14·4; |
| (ii) 20 or more and less than 30: | 15·4; |
| (iii) 30 or more and less than 40: | 16·3; |
| (iv) 40 or more: | 16·7. |

23A Regional factor:

- | | |
|--|-------|
| (a) If the product is installed in metropolitan Victoria: | 1·00; |
| (b) If the product is installed in regional Victoria—climatic region Mild: | 1·06; |
| (c) If the product is installed in regional Victoria—climatic region Cold— | |
| (i) in the case of replacement of a non-ducted system: | 0·64; |
| (ii) in the case of replacement of a ducted system: | 0·86; |
| (d) If the product is installed in regional Victoria—climatic region Hot— | |
| (i) in the case of replacement of a non-ducted system: | 2·40; |
| (ii) in the case of replacement of a ducted system: | 2·35. |

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 23—Replacement of refrigerative air conditioner with ducted
evaporative cooler

Sch. 23 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

- 23A At the beginning of the day on which the installed product
is first able to produce and deliver evaporative cooling.

Schedule 24—Installation of high efficiency television

Regulation 6(1)(t)

Prescribed activity under regulation 6(1)(t): *Installing a high efficiency television that complies with the criteria specified in Part A of Schedule 24.*

Sch. 24
inserted by
S.R. No.
127/2010
reg. 13,
amended by
S.R. Nos
146/2011
reg. 24, 6/2012
reg. 30.

Part A—Criteria

Item

24A A product that—

(a) is registered for energy labelling in accordance with AS/NZS 62087.2.2:2011; and

Sch. 24 Pt A
item 24A(a)
amended by
S.R. No.
147/2016
reg. 4(1)(a).

(b) has a minimum star rating of 7 stars as determined in accordance with AS/NZS 62087.2.2:2011; and

Sch. 24 Pt A
item 24A(b)
amended by
S.R. No.
147/2016
reg. 4(1)(a)(b).

(c) has a Comparative Energy Consumption on the energy rating label of not more than 300 kWh/y.

Sch. 24 Pt A
item 24A(c)
amended by
S.R. No.
147/2016
reg. 4(1)(c).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

Sch. 24 Pt B
amended by
S.R. Nos
32/2012
reg. 32,
147/2016
reg. 4(2).

The following are the abatement factors and regional factors for each item in Part A:

Item

24A Abatement factor:

To be determined in accordance with the formula—

$$[0.32768 \times (SA \times 0.09344 + 65.408) - CEC] \times 0.00964$$

Where—

SA is the area of the screen in cm^2 as defined in AS/NZS 62087.2.2:2011;

CEC is the comparative energy consumption (kWh/y) specified on the energy rating label as defined by AS/NZS 62087.2.2:2011.

24A Regional factor:

- | | |
|---|-------|
| (a) If the product is installed in metropolitan Victoria: | 0.98; |
| (b) If the product is installed in regional Victoria: | 1.04. |

Sch. 24 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

24A At the beginning of the day on which the installation of the product is completed.

Schedule 25—Installation of energy efficient (low greenhouse intensity) clothes dryer

Regulation 6(1)(u)

Prescribed activity under regulation 6(1)(u): *Installing an energy efficient
(low greenhouse intensity) clothes dryer that complies with the criteria
specified in Part A of Schedule 25.*

Sch. 25
inserted by
S.R. No.
127/2010
reg. 13,
amended by
S.R. No.
6/2012 reg. 31.

Part A—Criteria

Item

- 25A A product that is a stand-alone electric clothes dryer (not part of a combination washer/dryer) that is registered for energy labelling in accordance with AS/NZS 2442.2:2000 and achieves a minimum 5 star rating when tested in accordance with AS/NZS 2442.2:2000 and is listed in the ESC register.
- 25B A stand-alone gas clothes dryer, being a product that is certified by an accredited body as complying with AS 4554–2005 and is listed in the ESC register.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

Sch. 25 Pt B
amended by
S.R. No.
32/2012
reg. 33.

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

- 25A Abatement factor:

To be determined in accordance with the formula—

$$(48.08 \times R - \text{CEC}) \times 0.01733$$

where—

R is the rated capacity of the product in kg as defined
by AS/NZS 2442.1:1996;

CEC is the comparative energy consumption (kWh/y)
specified on the energy rating label as defined by
AS/NZS 2442.2:2000.

25B Abatement factor:

To be determined in accordance with the formula—

$$R \times 0.5864$$

where—

R is the drying load of the product in kg as defined by
AS 4554—2005.

25A Regional factor:

- | | |
|--|-------|
| (a) If the product is installed in metropolitan
Victoria: | 0.98; |
| (b) If the product is installed in regional
Victoria: | 1.04. |

25B Regional factor:

- | | |
|--|-------|
| (a) If the product is installed in metropolitan
Victoria: | 0.98; |
| (b) If the product is installed in regional
Victoria: | 1.05. |

Sch. 25 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Part C—Time at which activity undertaken and reduction in greenhouse gas emissions occurs

Item

- 25A–25B At the beginning of the day on which the installation
of the product is completed.

Schedule 26—Installation of high efficiency pool pump

Regulation 6(1)(v)

Prescribed activity under regulation 6(1)(v): *Installing a high efficiency pool pump that complies with the criteria specified in Part A of Schedule 26.*

Sch. 26
inserted by
S.R. No.
127/2010
reg. 13,
amended by
S.R. No.
6/2012
reg. 32(a)(b).

Part A—Criteria

Item

- 26A A product for use with a domestic pool or spa that is a single phase, single speed, dual speed, multiple speed or variable speed pump unit with an input power of not less than 100W and not more than 1500W when tested in accordance with AS 5102.1–2009 and—
- (a) is listed as part of a labelling scheme determined in accordance with the Equipment Energy Efficiency (E3) Committee's Voluntary Energy Rating Labelling Program for Swimming Pool Pump-units: Rules for Participation, April 2010, and achieves a minimum 3 star rating when determined in accordance with AS 5102.2–2009; or
 - (b) is registered for energy labelling and achieves a minimum 3 star rating when determined in accordance with AS 5102.2–2009.

Sch. 26
item 26A
amended by
S.R. No.
6/2012
reg. 32(c).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

Sch. 26 Pt B
amended by
S.R. No.
32/2012
reg. 34.

The following are the abatement factors and regional factors for each item in Part A:

Item

26A Abatement factor:

To be determined in accordance with the formula—

$$0.00674 \times (1622 - \text{PAEC})$$

where PAEC is the projected annual energy consumption (kWh/y) listed on the energy rating label.

26A Regional factor:

- | | |
|---|-------|
| (a) If the product is installed in metropolitan Victoria: | 0.98; |
| (b) If the product is installed in regional Victoria: | 1.04. |

Sch. 26 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

26A At the beginning of the day on which the installation of the product is completed.

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S.R. No. 158/2008
Schedule 27—Data table

Schedule 27—Data table

Regulation 4

Sch. 27
inserted by
S.R. No.
127/2010
reg. 13.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
1	3000	Metropolitan	Yes	Metropolitan
2	3001	Metropolitan	Yes	Metropolitan
3	3002	Metropolitan	Yes	Metropolitan
4	3003	Metropolitan	Yes	Metropolitan
4A	3004	Metropolitan	Yes	Metropolitan
5	3005	Metropolitan	Yes	Metropolitan
6	3006	Metropolitan	Yes	Metropolitan
7	3008	Metropolitan	Yes	Metropolitan
8	3010	Metropolitan	Yes	Metropolitan
9	3011	Metropolitan	Yes	Metropolitan
10	3012	Metropolitan	Yes	Metropolitan
11	3013	Metropolitan	Yes	Metropolitan
12	3015	Metropolitan	Yes	Metropolitan
13	3016	Metropolitan	Yes	Metropolitan
14	3018	Metropolitan	Yes	Metropolitan
15	3019	Metropolitan	Yes	Metropolitan
16	3020	Metropolitan	Yes	Metropolitan
17	3021	Metropolitan	Yes	Metropolitan
18	3022	Metropolitan	Yes	Metropolitan
19	3023	Metropolitan	Yes	Metropolitan
20	3024	Metropolitan	Yes	Metropolitan
21	3025	Metropolitan	Yes	Metropolitan
22	3026	Metropolitan	Yes	Metropolitan
23	3027	Metropolitan	Yes	Metropolitan
24	3028	Metropolitan	Yes	Metropolitan
25	3029	Metropolitan	Yes	Metropolitan

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
26	3030	Metropolitan	Yes	Metropolitan
27	3031	Metropolitan	Yes	Metropolitan
28	3032	Metropolitan	Yes	Metropolitan
29	3033	Metropolitan	Yes	Metropolitan
30	3034	Metropolitan	Yes	Metropolitan
31	3036	Metropolitan	Yes	Metropolitan
32	3037	Metropolitan	Yes	Metropolitan
33	3038	Metropolitan	Yes	Metropolitan
34	3039	Metropolitan	Yes	Metropolitan
35	3040	Metropolitan	Yes	Metropolitan
36	3041	Metropolitan	Yes	Metropolitan
37	3042	Metropolitan	Yes	Metropolitan
38	3043	Metropolitan	Yes	Metropolitan
39	3044	Metropolitan	Yes	Metropolitan
40	3045	Metropolitan	Yes	Metropolitan
41	3046	Metropolitan	Yes	Metropolitan
42	3047	Metropolitan	Yes	Metropolitan
43	3048	Metropolitan	Yes	Metropolitan
44	3049	Metropolitan	Yes	Metropolitan
45	3050	Metropolitan	Yes	Metropolitan
46	3051	Metropolitan	Yes	Metropolitan
47	3052	Metropolitan	Yes	Metropolitan
48	3053	Metropolitan	Yes	Metropolitan
49	3054	Metropolitan	Yes	Metropolitan
50	3055	Metropolitan	Yes	Metropolitan
51	3056	Metropolitan	Yes	Metropolitan
52	3057	Metropolitan	Yes	Metropolitan
53	3058	Metropolitan	Yes	Metropolitan

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
54	3059	Metropolitan	Yes	Metropolitan
55	3060	Metropolitan	Yes	Metropolitan
56	3061	Metropolitan	Yes	Metropolitan
57	3062	Metropolitan	Yes	Metropolitan
58	3063	Metropolitan	Yes	Metropolitan
59	3064	Metropolitan	Yes	Metropolitan
60	3065	Metropolitan	Yes	Metropolitan
61	3066	Metropolitan	Yes	Metropolitan
62	3067	Metropolitan	Yes	Metropolitan
63	3068	Metropolitan	Yes	Metropolitan
64	3070	Metropolitan	Yes	Metropolitan
65	3071	Metropolitan	Yes	Metropolitan
66	3072	Metropolitan	Yes	Metropolitan
67	3073	Metropolitan	Yes	Metropolitan
68	3074	Metropolitan	Yes	Metropolitan
69	3075	Metropolitan	Yes	Metropolitan
70	3076	Metropolitan	Yes	Metropolitan
71	3078	Metropolitan	Yes	Metropolitan
72	3079	Metropolitan	Yes	Metropolitan
73	3081	Metropolitan	Yes	Metropolitan
74	3082	Metropolitan	Yes	Metropolitan
75	3083	Metropolitan	Yes	Metropolitan
76	3084	Metropolitan	Yes	Metropolitan
77	3085	Metropolitan	Yes	Metropolitan
78	3086	Metropolitan	Yes	Metropolitan
79	3087	Metropolitan	Yes	Metropolitan
80	3088	Metropolitan	Yes	Metropolitan
81	3089	Metropolitan	Yes	Metropolitan

Victorian Energy Efficiency Target Regulations 2008
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Schedule 27—Data table

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
82	3090	Metropolitan	Yes	Metropolitan
83	3091	Metropolitan	Yes	Metropolitan
84	3093	Metropolitan	Yes	Metropolitan
85	3094	Metropolitan	Yes	Metropolitan
86	3095	Metropolitan	Yes	Metropolitan
87	3096	Metropolitan	Yes	Metropolitan
88	3097	Metropolitan	Yes	Metropolitan
89	3099	Metropolitan	Yes	Metropolitan
90	3101	Metropolitan	Yes	Metropolitan
91	3102	Metropolitan	Yes	Metropolitan
92	3103	Metropolitan	Yes	Metropolitan
93	3104	Metropolitan	Yes	Metropolitan
94	3105	Metropolitan	Yes	Metropolitan
95	3106	Metropolitan	Yes	Metropolitan
96	3107	Metropolitan	Yes	Metropolitan
97	3108	Metropolitan	Yes	Metropolitan
98	3109	Metropolitan	Yes	Metropolitan
99	3110	Metropolitan	Yes	Metropolitan
100	3111	Metropolitan	Yes	Metropolitan
101	3113	Metropolitan	Yes	Metropolitan
102	3114	Metropolitan	Yes	Metropolitan
103	3115	Metropolitan	Yes	Metropolitan
104	3116	Metropolitan	Yes	Metropolitan
105	3121	Metropolitan	Yes	Metropolitan
106	3122	Metropolitan	Yes	Metropolitan
107	3123	Metropolitan	Yes	Metropolitan
108	3124	Metropolitan	Yes	Metropolitan
109	3125	Metropolitan	Yes	Metropolitan

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
110	3126	Metropolitan	Yes	Metropolitan
111	3127	Metropolitan	Yes	Metropolitan
112	3128	Metropolitan	Yes	Metropolitan
113	3129	Metropolitan	Yes	Metropolitan
114	3130	Metropolitan	Yes	Metropolitan
115	3131	Metropolitan	Yes	Metropolitan
116	3132	Metropolitan	Yes	Metropolitan
117	3133	Metropolitan	Yes	Metropolitan
118	3134	Metropolitan	Yes	Metropolitan
119	3135	Metropolitan	Yes	Metropolitan
120	3136	Metropolitan	Yes	Metropolitan
121	3137	Metropolitan	Yes	Metropolitan
122	3138	Metropolitan	Yes	Metropolitan
123	3139	Metropolitan	Yes	Metropolitan
124	3140	Metropolitan	Yes	Metropolitan
125	3141	Metropolitan	Yes	Metropolitan
126	3142	Metropolitan	Yes	Metropolitan
127	3143	Metropolitan	Yes	Metropolitan
128	3144	Metropolitan	Yes	Metropolitan
129	3145	Metropolitan	Yes	Metropolitan
130	3146	Metropolitan	Yes	Metropolitan
131	3147	Metropolitan	Yes	Metropolitan
132	3148	Metropolitan	Yes	Metropolitan
133	3149	Metropolitan	Yes	Metropolitan
134	3150	Metropolitan	Yes	Metropolitan
135	3151	Metropolitan	Yes	Metropolitan
136	3152	Metropolitan	Yes	Metropolitan
137	3153	Metropolitan	Yes	Metropolitan

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
138	3154	Metropolitan	Yes	Metropolitan
139	3155	Metropolitan	Yes	Metropolitan
140	3156	Metropolitan	Yes	Metropolitan
141	3158	Metropolitan	Yes	Metropolitan
142	3159	Metropolitan	Yes	Metropolitan
143	3160	Metropolitan	Yes	Metropolitan
144	3161	Metropolitan	Yes	Metropolitan
145	3162	Metropolitan	Yes	Metropolitan
146	3163	Metropolitan	Yes	Metropolitan
147	3164	Metropolitan	Yes	Metropolitan
148	3165	Metropolitan	Yes	Metropolitan
149	3166	Metropolitan	Yes	Metropolitan
150	3167	Metropolitan	Yes	Metropolitan
151	3168	Metropolitan	Yes	Metropolitan
152	3169	Metropolitan	Yes	Metropolitan
153	3170	Metropolitan	Yes	Metropolitan
154	3171	Metropolitan	Yes	Metropolitan
155	3172	Metropolitan	Yes	Metropolitan
156	3173	Metropolitan	Yes	Metropolitan
157	3174	Metropolitan	Yes	Metropolitan
158	3175	Metropolitan	Yes	Metropolitan
159	3176	Metropolitan	Yes	Metropolitan
160	3177	Metropolitan	Yes	Metropolitan
161	3178	Metropolitan	Yes	Metropolitan
162	3179	Metropolitan	Yes	Metropolitan
163	3180	Metropolitan	Yes	Metropolitan
164	3181	Metropolitan	Yes	Metropolitan
165	3182	Metropolitan	Yes	Metropolitan

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
166	3183	Metropolitan	Yes	Metropolitan
167	3184	Metropolitan	Yes	Metropolitan
168	3185	Metropolitan	Yes	Metropolitan
169	3186	Metropolitan	Yes	Metropolitan
170	3187	Metropolitan	Yes	Metropolitan
171	3188	Metropolitan	Yes	Metropolitan
172	3189	Metropolitan	Yes	Metropolitan
173	3190	Metropolitan	Yes	Metropolitan
174	3191	Metropolitan	Yes	Metropolitan
175	3192	Metropolitan	Yes	Metropolitan
176	3193	Metropolitan	Yes	Metropolitan
177	3194	Metropolitan	Yes	Metropolitan
178	3195	Metropolitan	Yes	Metropolitan
179	3196	Metropolitan	Yes	Metropolitan
180	3197	Metropolitan	Yes	Metropolitan
181	3198	Metropolitan	Yes	Metropolitan
182	3199	Metropolitan	Yes	Metropolitan
183	3200	Metropolitan	Yes	Metropolitan
184	3201	Metropolitan	Yes	Metropolitan
185	3202	Metropolitan	Yes	Metropolitan
186	3204	Metropolitan	Yes	Metropolitan
187	3205	Metropolitan	Yes	Metropolitan
188	3206	Metropolitan	Yes	Metropolitan
189	3207	Metropolitan	Yes	Metropolitan
190	3211	Regional	Yes	Mild
191	3212	Regional	Yes	Mild
192	3214	Regional	Yes	Mild
193	3215	Regional	Yes	Mild

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
194	3216	Regional	Yes	Mild
195	3217	Regional	Yes	Mild
196	3218	Regional	Yes	Mild
197	3219	Regional	Yes	Mild
198	3220	Regional	Yes	Mild
199	3221	Regional	Yes	Mild
201	3222	Regional	Yes	Mild
202	3223	Regional	Yes	Mild
203	3224	Regional	Yes	Mild
204	3225	Regional	Yes	Mild
205	3226	Regional	Yes	Mild
206	3227	Regional	Yes	Mild
207	3228	Regional	Yes	Mild
208	3230	Regional	Yes	Mild
209	3231	Regional	Yes	Mild
210	3232	Regional	No	Mild
211	3233	Regional	No	Mild
212	3235	Regional	No	Mild
213	3236	Regional	No	Mild
214	3237	Regional	No	Mild
215	3238	Regional	No	Mild
216	3239	Regional	No	Mild
217	3240	Regional	No	Mild
218	3241	Regional	No	Mild
219	3242	Regional	No	Mild
220	3243	Regional	No	Mild
221	3249	Regional	Yes	Mild
222	3250	Regional	Yes	Mild

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
223	3251	Regional	Yes	Mild
224	3254	Regional	No	Mild
225	3260	Regional	Yes	Mild
226	3264	Regional	No	Mild
227	3265	Regional	Yes	Mild
228	3266	Regional	Yes	Mild
229	3267	Regional	No	Mild
230	3268	Regional	No	Mild
231	3269	Regional	No	Mild
232	3270	Regional	No	Mild
233	3271	Regional	No	Mild
234	3272	Regional	No	Mild
235	3273	Regional	No	Mild
236	3274	Regional	No	Mild
237	3275	Regional	No	Mild
238	3276	Regional	No	Mild
239	3277	Regional	Yes	Mild
240	3278	Regional	No	Mild
241	3279	Regional	No	Mild
242	3280	Regional	Yes	Mild
243	3281	Regional	No	Mild
244	3282	Regional	Yes	Mild
245	3283	Regional	No	Mild
246	3284	Regional	Yes	Mild
247	3285	Regional	No	Mild
248	3286	Regional	No	Mild
249	3287	Regional	No	Mild
250	3289	Regional	No	Cold

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
251	3292	Regional	No	Mild
252	3293	Regional	No	Cold
253	3294	Regional	No	Cold
254	3300	Regional	Yes	Cold
255	3301	Regional	No	Mild
256	3302	Regional	No	Mild
257	3303	Regional	No	Mild
258	3304	Regional	No	Mild
259	3305	Regional	Yes	Mild
260	3309	Regional	No	Mild
261	3310	Regional	No	Cold
262	3311	Regional	No	Cold
263	3312	Regional	No	Cold
264	3314	Regional	No	Cold
265	3315	Regional	No	Cold
266	3317	Regional	No	Cold
267	3318	Regional	No	Cold
268	3319	Regional	No	Cold
269	3321	Regional	No	Mild
270	3322	Regional	No	Mild
271	3323	Regional	No	Cold
272	3324	Regional	No	Cold
273	3325	Regional	No	Mild
274	3328	Regional	No	Mild
275	3329	Regional	No	Mild
276	3330	Regional	No	Cold
277	3331	Regional	No	Mild
278	3332	Regional	No	Mild

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
279	3333	Regional	No	Mild
280	3334	Regional	No	Cold
281	3335	Metropolitan	Yes	Metropolitan
282	3337	Metropolitan	Yes	Metropolitan
283	3338	Metropolitan	Yes	Metropolitan
284	3340	Regional	Yes	Mild
285	3341	Regional	No	Cold
286	3342	Regional	Yes	Cold
287	3345	Regional	No	Cold
288	3350	Regional	Yes	Cold
289	3351	Regional	No	Cold
290	3352	Regional	Yes	Cold
291	3353	Regional	No	Cold
292	3354	Regional	No	Cold
293	3355	Regional	Yes	Cold
294	3356	Regional	Yes	Cold
295	3357	Regional	Yes	Cold
296	3360	Regional	No	Cold
297	3361	Regional	No	Cold
298	3363	Regional	Yes	Cold
299	3364	Regional	Yes	Cold
300	3370	Regional	No	Cold
301	3371	Regional	No	Cold
302	3373	Regional	No	Cold
302A	3374	Regional	No	Cold
303	3375	Regional	No	Cold
304	3377	Regional	Yes	Cold
305	3378	Regional	No	Cold

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
306	3379	Regional	No	Cold
307	3380	Regional	Yes	Cold
308	3381	Regional	No	Cold
309	3384	Regional	No	Cold
310	3385	Regional	No	Cold
311	3387	Regional	No	Cold
312	3388	Regional	No	Cold
313	3390	Regional	No	Cold
314	3391	Regional	No	Cold
315	3392	Regional	No	Cold
316	3393	Regional	No	Cold
317	3395	Regional	No	Cold
318	3396	Regional	No	Cold
319	3400	Regional	Yes	Cold
320	3401	Regional	Yes	Cold
321	3402	Regional	Yes	Cold
322	3407	Regional	No	Cold
323	3409	Regional	No	Cold
324	3412	Regional	No	Cold
325	3413	Regional	No	Cold
326	3414	Regional	No	Cold
327	3415	Regional	No	Cold
328	3418	Regional	No	Cold
329	3419	Regional	No	Cold
330	3420	Regional	No	Cold
331	3423	Regional	No	Cold
332	3424	Regional	No	Cold
333	3427	Metropolitan	Yes	Metropolitan

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
334	3428	Metropolitan	Yes	Metropolitan
335	3429	Metropolitan	Yes	Metropolitan
336	3430	Regional	No	Mild
337	3431	Regional	Yes	Cold
338	3432	Regional	No	Cold
338A	3433	Regional	No	Cold
339	3434	Regional	Yes	Cold
340	3435	Regional	Yes	Cold
341	3437	Regional	Yes	Cold
342	3438	Regional	Yes	Cold
343	3440	Regional	Yes	Cold
344	3441	Regional	Yes	Cold
345	3442	Regional	Yes	Cold
346	3444	Regional	Yes	Cold
347	3446	Regional	No	Cold
348	3447	Regional	No	Cold
349	3448	Regional	No	Cold
350	3450	Regional	Yes	Cold
351	3451	Regional	Yes	Cold
352	3453	Regional	No	Cold
353	3458	Regional	No	Cold
354	3460	Regional	Yes	Cold
355	3461	Regional	Yes	Cold
356	3462	Regional	No	Cold
357	3463	Regional	No	Cold
358	3464	Regional	Yes	Cold
359	3465	Regional	Yes	Cold
360	3467	Regional	No	Cold

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361	3468	Regional	No	Cold
362	3469	Regional	No	Cold
363	3472	Regional	No	Cold
364	3475	Regional	No	Cold
364A	3477	Regional	No	Cold
365	3478	Regional	No	Cold
366	3480	Regional	No	Cold
367	3482	Regional	No	Cold
368	3483	Regional	No	Cold
369	3485	Regional	No	Cold
370	3487	Regional	No	Hot
371	3488	Regional	No	Hot
372	3489	Regional	No	Hot
373	3490	Regional	No	Hot
374	3491	Regional	No	Hot
375	3494	Regional	Yes	Hot
376	3496	Regional	Yes	Hot
377	3498	Regional	Yes	Hot
378	3500	Regional	Yes	Hot
379	3501	Regional	Yes	Hot
380	3502	Regional	Yes	Hot
381	3505	Regional	Yes	Hot
382	3506	Regional	No	Hot
383	3507	Regional	No	Hot
384	3509	Regional	No	Hot
385	3512	Regional	No	Hot
386	3515	Regional	No	Cold
387	3516	Regional	No	Cold

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
388	3517	Regional	No	Cold
389	3518	Regional	No	Cold
390	3520	Regional	No	Cold
391	3521	Regional	No	Cold
392	3522	Regional	No	Cold
393	3523	Regional	No	Cold
394	3525	Regional	No	Cold
395	3527	Regional	No	Cold
396	3529	Regional	No	Hot
397	3530	Regional	No	Hot
398	3531	Regional	No	Hot
399	3533	Regional	No	Hot
400	3537	Regional	No	Hot
401	3540	Regional	No	Hot
402	3542	Regional	No	Hot
403	3544	Regional	No	Hot
404	3546	Regional	No	Hot
405	3549	Regional	No	Hot
406	3550	Regional	Yes	Cold
407	3551	Regional	Yes	Cold
408	3552	Regional	No	Cold
409	3554	Regional	No	Cold
410	3555	Regional	Yes	Cold
411	3556	Regional	Yes	Cold
412	3557	Regional	No	Cold
413	3558	Regional	No	Cold
414	3559	Regional	No	Cold
415	3561	Regional	Yes	Cold

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
416	3562	Regional	No	Cold
417	3563	Regional	Yes	Cold
418	3564	Regional	Yes	Cold
419	3565	Regional	No	Cold
420	3566	Regional	Yes	Hot
421	3567	Regional	No	Hot
422	3568	Regional	No	Hot
423	3570	Regional	No	Cold
424	3571	Regional	No	Cold
425	3572	Regional	No	Cold
426	3573	Regional	No	Cold
427	3575	Regional	No	Hot
428	3576	Regional	No	Hot
429	3579	Regional	No	Hot
430	3580	Regional	No	Hot
431	3581	Regional	No	Hot
432	3583	Regional	No	Hot
433	3584	Regional	No	Hot
434	3585	Regional	No	Hot
434A	3586	Regional	No	Hot
435	3588	Regional	No	Hot
436	3589	Regional	No	Hot
437	3590	Regional	No	Hot
438	3591	Regional	No	Hot
439	3594	Regional	No	Hot
440	3595	Regional	No	Hot
441	3596	Regional	No	Hot
442	3597	Regional	No	Hot

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
443	3599	Regional	No	Hot
444	3607	Regional	No	Cold
445	3608	Regional	No	Cold
446	3610	Regional	Yes	Cold
447	3612	Regional	No	Cold
448	3614	Regional	No	Cold
449	3616	Regional	Yes	Cold
450	3617	Regional	No	Cold
451	3618	Regional	Yes	Cold
452	3619	Regional	No	Cold
453	3620	Regional	Yes	Cold
454	3621	Regional	Yes	Cold
455	3622	Regional	No	Cold
456	3623	Regional	Yes	Cold
457	3624	Regional	Yes	Cold
458	3629	Regional	Yes	Cold
459	3630	Regional	Yes	Cold
460	3631	Regional	Yes	Cold
461	3632	Regional	No	Cold
462	3633	Regional	No	Cold
463	3634	Regional	No	Cold
464	3635	Regional	No	Cold
465	3636	Regional	Yes	Cold
466	3637	Regional	No	Cold
467	3638	Regional	No	Cold
468	3639	Regional	No	Cold
469	3640	Regional	Yes	Cold
470	3641	Regional	Yes	Cold

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471	3643	Regional	Yes	Cold
472	3644	Regional	Yes	Cold
473	3646	Regional	No	Cold
474	3647	Regional	No	Cold
475	3649	Regional	No	Cold
476	3658	Regional	Yes	Cold
477	3659	Regional	Yes	Cold
478	3660	Regional	Yes	Cold
479	3661	Regional	No	Cold
480	3662	Regional	No	Cold
481	3663	Regional	No	Cold
482	3664	Regional	No	Cold
483	3665	Regional	No	Cold
484	3666	Regional	Yes	Cold
485	3669	Regional	No	Cold
486	3670	Regional	No	Cold
487	3671	Regional	No	Cold
488	3672	Regional	Yes	Cold
489	3673	Regional	No	Cold
490	3675	Regional	No	Cold
491	3676	Regional	No	Cold
492	3677	Regional	Yes	Cold
493	3678	Regional	Yes	Cold
494	3682	Regional	No	Cold
495	3683	Regional	Yes	Cold
496	3685	Regional	Yes	Cold
497	3687	Regional	Yes	Cold
498	3688	Regional	No	Cold

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
499	3689	Regional	No	Cold
500	3690	Regional	Yes	Cold
501	3691	Regional	Yes	Cold
502	3694	Regional	Yes	Cold
503	3695	Regional	No	Cold
504	3697	Regional	No	Cold
505	3698	Regional	No	Cold
506	3699	Regional	No	Cold
507	3700	Regional	No	Cold
508	3701	Regional	No	Cold
509	3704	Regional	No	Cold
510	3705	Regional	No	Cold
511	3707	Regional	No	Cold
512	3708	Regional	No	Cold
513	3709	Regional	No	Cold
514	3711	Regional	No	Cold
515	3712	Regional	No	Cold
516	3713	Regional	No	Cold
517	3714	Regional	No	Cold
518	3715	Regional	No	Cold
519	3717	Regional	No	Cold
520	3718	Regional	No	Cold
521	3719	Regional	No	Cold
522	3720	Regional	No	Cold
523	3722	Regional	No	Cold
524	3723	Regional	No	Cold
525	3724	Regional	No	Cold
526	3725	Regional	No	Cold

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
527	3726	Regional	No	Cold
528	3727	Regional	No	Cold
529	3728	Regional	No	Cold
530	3730	Regional	Yes	Cold
531	3732	Regional	No	Cold
532	3733	Regional	No	Cold
533	3735	Regional	No	Cold
534	3736	Regional	No	Cold
535	3737	Regional	No	Cold
536	3738	Regional	No	Cold
537	3739	Regional	No	Cold
538	3740	Regional	No	Cold
539	3741	Regional	No	Cold
540	3744	Regional	No	Cold
541	3746	Regional	No	Cold
542	3747	Regional	No	Cold
543	3749	Regional	No	Cold
544	3750	Regional	Yes	Mild
545	3751	Regional	Yes	Mild
546	3752	Regional	Yes	Mild
547	3753	Regional	Yes	Mild
548	3754	Regional	Yes	Mild
549	3755	Regional	Yes	Mild
550	3756	Regional	Yes	Mild
551	3757	Regional	Yes	Mild
552	3758	Regional	No	Mild
553	3759	Regional	Yes	Mild
554	3760	Regional	Yes	Mild

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
555	3761	Regional	Yes	Mild
556	3762	Regional	No	Cold
557	3763	Regional	Yes	Cold
558	3764	Regional	Yes	Cold
559	3765	Metropolitan	Yes	Metropolitan
560	3766	Regional	Yes	Cold
561	3767	Regional	Yes	Cold
562	3770	Regional	Yes	Cold
563	3775	Regional	Yes	Cold
564	3777	Regional	Yes	Cold
565	3778	Regional	No	Cold
566	3779	Regional	No	Cold
567	3781	Metropolitan	Yes	Metropolitan
568	3782	Metropolitan	Yes	Metropolitan
569	3783	Metropolitan	Yes	Metropolitan
569A	3785	Regional	Yes	Cold
570	3786	Regional	Yes	Cold
571	3787	Regional	Yes	Cold
572	3788	Regional	Yes	Cold
573	3789	Regional	Yes	Cold
574	3791	Metropolitan	Yes	Metropolitan
575	3792	Regional	Yes	Cold
576	3793	Regional	Yes	Cold
577	3795	Regional	Yes	Cold
578	3796	Regional	Yes	Cold
579	3797	Regional	Yes	Mild
580	3799	Regional	Yes	Cold
581	3800	Regional	Yes	Mild

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
582	3802	Metropolitan	Yes	Metropolitan
583	3803	Metropolitan	Yes	Metropolitan
584	3804	Metropolitan	Yes	Metropolitan
585	3805	Metropolitan	Yes	Metropolitan
586	3806	Metropolitan	Yes	Metropolitan
587	3807	Metropolitan	Yes	Metropolitan
588	3808	Metropolitan	Yes	Metropolitan
589	3809	Metropolitan	Yes	Metropolitan
590	3810	Metropolitan	Yes	Metropolitan
591	3812	Regional	Yes	Mild
592	3813	Regional	Yes	Mild
593	3814	Regional	Yes	Mild
594	3815	Regional	Yes	Mild
595	3816	Regional	Yes	Mild
596	3818	Regional	Yes	Mild
597	3820	Regional	Yes	Mild
598	3821	Regional	No	Mild
599	3822	Regional	Yes	Mild
600	3823	Regional	Yes	Mild
601	3824	Regional	Yes	Mild
602	3825	Regional	Yes	Mild
603	3831	Regional	No	Mild
604	3832	Regional	No	Mild
605	3833	Regional	No	Cold
606	3835	Regional	No	Mild
607	3840	Regional	Yes	Mild
608	3841	Regional	No	Mild
609	3842	Regional	Yes	Mild

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
610	3844	Regional	Yes	Mild
611	3847	Regional	Yes	Mild
612	3850	Regional	Yes	Mild
613	3851	Regional	Yes	Mild
614	3852	Regional	Yes	Mild
615	3853	Regional	Yes	Mild
616	3854	Regional	No	Mild
617	3856	Regional	No	Mild
618	3857	Regional	No	Mild
619	3858	Regional	No	Mild
620	3859	Regional	No	Mild
621	3860	Regional	Yes	Cold
622	3862	Regional	No	Cold
623	3864	Regional	No	Cold
624	3865	Regional	No	Mild
625	3869	Regional	No	Mild
626	3870	Regional	No	Mild
627	3871	Regional	No	Mild
628	3873	Regional	No	Mild
629	3874	Regional	No	Mild
630	3875	Regional	Yes	Mild
631	3878	Regional	Yes	Mild
632	3880	Regional	Yes	Mild
633	3882	Regional	No	Mild
634	3885	Regional	No	Mild
635	3886	Regional	No	Mild
636	3887	Regional	No	Mild
637	3888	Regional	No	Mild

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
638	3889	Regional	No	Cold
639	3890	Regional	No	Mild
640	3891	Regional	No	Mild
641	3892	Regional	No	Mild
642	3893	Regional	No	Cold
643	3895	Regional	No	Cold
644	3896	Regional	No	Cold
645	3898	Regional	No	Cold
646	3900	Regional	No	Cold
647	3902	Regional	No	Mild
648	3903	Regional	No	Mild
649	3904	Regional	No	Mild
650	3909	Regional	No	Mild
651	3910	Metropolitan	Yes	Metropolitan
652	3911	Metropolitan	Yes	Metropolitan
653	3912	Metropolitan	Yes	Metropolitan
654	3913	Metropolitan	Yes	Metropolitan
655	3915	Metropolitan	Yes	Metropolitan
656	3916	Metropolitan	Yes	Metropolitan
657	3918	Metropolitan	Yes	Metropolitan
658	3919	Metropolitan	Yes	Metropolitan
659	3920	Metropolitan	Yes	Metropolitan
660	3921	Regional	Yes	Mild
661	3922	Regional	No	Mild
662	3923	Regional	No	Mild
663	3925	Regional	No	Mild
664	3926	Regional	Yes	Mild
665	3927	Regional	Yes	Mild

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
666	3928	Regional	Yes	Mild
667	3929	Regional	Yes	Mild
668	3930	Regional	Yes	Mild
669	3931	Regional	Yes	Mild
670	3933	Regional	Yes	Mild
671	3934	Regional	Yes	Mild
672	3936	Regional	Yes	Mild
673	3937	Regional	Yes	Mild
674	3938	Regional	Yes	Mild
675	3939	Regional	Yes	Mild
676	3940	Regional	Yes	Mild
677	3941	Regional	Yes	Mild
678	3942	Regional	Yes	Mild
679	3943	Regional	Yes	Mild
680	3944	Regional	Yes	Mild
681	3945	Regional	No	Mild
682	3946	Regional	No	Cold
683	3950	Regional	Yes	Mild
684	3951	Regional	No	Mild
685	3953	Regional	Yes	Mild
686	3954	Regional	No	Mild
687	3956	Regional	No	Mild
688	3957	Regional	No	Mild
689	3958	Regional	No	Cold
690	3959	Regional	No	Mild
691	3960	Regional	No	Mild
692	3962	Regional	No	Mild
693	3964	Regional	No	Cold

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>	<i>Column 5</i>
<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
694	3965	Regional	No	Mild
695	3966	Regional	No	Cold
696	3967	Regional	No	Cold
697	3971	Regional	No	Cold
698	3975	Metropolitan	Yes	Metropolitan
699	3976	Metropolitan	Yes	Metropolitan
700	3977	Metropolitan	Yes	Metropolitan
701	3978	Regional	Yes	Mild
702	3979	Regional	No	Mild
703	3980	Regional	Yes	Cold
704	3981	Regional	Yes	Cold
705	3984	Regional	Yes	Mild
706	3987	Regional	Yes	Mild
707	3988	Regional	No	Cold
708	3990	Regional	No	Mild
709	3991	Regional	No	Mild
710	3992	Regional	No	Mild
711	3995	Regional	Yes	Mild
712	3996	Regional	Yes	Mild

Schedule 28—Replacement of gas heating ductwork

Regulation 6(1)(w)

Prescribed activity under regulation 6(1)(w): *decommissioning gas heating ductwork that is connected to a ducted gas heater and installing in its place a product that complies with the criteria specified in Part A of Schedule 28.*

Sch. 28
inserted by
S.R. No.
56/2011 reg. 6,
amended by
S.R. No.
6/2012 reg. 33.

Part A—Criteria

Item

28A Ductwork that—

- (a) is tested and certified by an approved laboratory as complying with AS 4254–2002; and
- (b) is insulated using bulk insulation that is certified by an accredited body or approved laboratory as complying with AS/NZS 4859.1:2002 and achieves a minimum R-value of R1.5 when measured in accordance with AS/NZS 4859.1:2002; and
- (c) is longitudinally labelled at intervals of not more than 1.5 meters, in characters that are clearly legible and at least 18mm high stating—
 - (i) the duct manufacturer's or duct assembler's name; and
 - (ii) the diameter of the duct core; and
 - (iii) the R-value of the bulk insulation; and
 - (iv) whether the ductwork complies with AS 4254–2002; and
- (d) is installed and supported in accordance with the requirements set out in AS 4254–2002; and
- (e) uses fittings that achieve at least the R-value specified by Table 3.12.5.2 of the Building Code.

Sch. 28 Pt B
amended by
S.R. No.
32/2012
reg. 35.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the decommissioning of existing gas heating ductwork and the installation of ductwork referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the ductwork is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

28A Abatement factor:

- (a) if the ductwork is connected to a heater that has a rated output heating capacity of not less than 10 and not more than 18kW: 12·13;
- (b) if the ductwork is connected to a heater that has a rated output heating capacity of more than 18 and not more than 28kW: 15·40;
- (c) if the ductwork is connected to a heater that has a rated output heating capacity of more than 28kW: 18·86;
- (d) if the ductwork is installed but the output heating capacity of the heater is not known: 12·13.

28A Regional factor:

- (a) If the product is installed in metropolitan Victoria: 1·00;
- (b) If the product is installed in regional Victoria—climatic region Mild: 1·00;
- (c) If the product is installed in regional Victoria—climatic region Cold: 1·61;
- (d) If the product is installed in regional Victoria—climatic region Hot: 0·71.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 28 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

- 28A At the beginning of whichever of the following days is later—
- (a) the day on which the installation of the product is completed; or
 - (b) the day on which a ducted gas heater connected to the product is first able to produce and deliver ducted gas heating.

Sch. 29
inserted by
S.R. No.
56/2011 reg. 6,
amended by
S.R. No.
6/2012
reg. 34(a)(b).

Schedule 29—Installation of standby power controller

Regulation 6(1)(x)

Prescribed activity under regulation 6(1)(x): *Installing a standby power controller, being a product that complies with the criteria specified in Part A of Schedule 29.*

Part A—Criteria

Item

Sch. 29
item 29A
amended by
S.R. No.
6/2012
reg. 34(c).

- 29A A product that when installed in an information technology environment is able to automatically reduce the standby energy consumption of information technology equipment connected to it, and—
- (a) when tested by an approved laboratory in accordance with a laboratory test approved by the ESC, is determined to be suitable for use in an information technology environment and, in particular, is demonstrated to—
 - (i) be suitable for use with desktop and notebook computers that are not more than 2 years old; and
 - (ii) be capable of controlling the power of at least 4 appliances (whether directly or indirectly); and
 - (iii) be fitted with a mains power switching device that is rated to a minimum of 50 000 switching cycles; and
 - (iv) have an electric power consumption of not more than 1 watt when tested in accordance with the laboratory test; and
 - (v) automatically disconnect mains power from controlled appliances when the master computer is switched to Off Mode; and

- (vi) automatically reconnect mains power to the controlled appliances when the master computer enters Active State; and
 - (vii) not be reliant on a universal serial bus connection to determine the operating mode of the computer; and
 - (viii) be able, at the time of installation, to disconnect mains power from or reconnect mains power to controlled appliances without having to be set up to have those functions assigned to the operation of an existing appliance remote control; and
 - (ix) not require manual setting of a current or power threshold; and
 - (b) is connected to at least 2 controlled appliances at the time of installation.
- 29B A product that when installed in an audio visual environment is able to automatically reduce the standby energy consumption of home audio visual equipment connected to it, and—
- (a) when tested by an approved laboratory in accordance with a laboratory test approved by the ESC, is determined to be suitable for use in an audio visual environment and, in particular, is demonstrated to—
 - (i) be capable of controlling the power of at least 4 appliances (whether directly or indirectly); and
 - (ii) be fitted with a mains power switching device that is rated to a minimum of 50 000 switching cycles; and
 - (iii) have an electric power consumption of not more than 1 watt when tested in accordance with the laboratory test; and

- (iv) automatically disconnect mains power from controlled appliances—
 - (A) in the case of a product that relies on a master/slave arrangement—when the master appliance is turned off;
 - (B) in the case of a product that relies on sensing infra-red signals from the remote controls of controlled appliances—after a period of time specified in the laboratory test when the product does not detect infra-red signals from those remote controls that are triggered by a user; and
 - (v) automatically reconnect mains power to the controlled appliances only when—
 - (A) in the case of a product that relies on a master/slave arrangement—when the master appliance is turned on;
 - (B) in the case of a product that relies on sensing infra-red signals from the remote controls of controlled appliances—when any of the controlled appliances are operated by a user; and
 - (vi) be able, at the time of installation, to disconnect mains power from or reconnect mains power to controlled appliances without having to be set up to have those functions assigned to the operation of an existing appliance remote control; and
 - (vii) not require manual setting of a current or power threshold; and
- (b) is connected to at least 2 controlled appliances at the time of installation.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product or products referred to in an item in Part A is the sum of the figures obtained by multiplying the number of products installed (not being more than 4 if in residential premises) in the premises under each item in Part A, by the abatement factor for that item.

The following are the abatement factors and regional factors for each item in Part A:

Item

29A Abatement Factor:

- (a) A product that is installed in residential premises and—
 - (i) satisfies the minimum eligibility criteria for an item 29A in Part A: 1·0;
 - (ii) satisfies the minimum eligibility criteria for an item 29A in Part A and is capable of automatically disconnecting mains power to controlled appliances when the master computer enters Sleep Mode, and has been demonstrated, to the satisfaction of the ESC, to be capable of achieving abatement of greater than or equal to 1·5 tonnes over a 10 year period and has been subjected to a field trial approved by the ESC: A_t

where A_t is the tonnes of abatement, not exceeding 6·0, that the product has demonstrated to be capable of achieving to the satisfaction of the ESC.

Sch. 29 Pt B
substituted by
S.R. No.
146/2011
reg. 25,
amended by
S.R. Nos
6/2012
reg. 34(d),
32/2012
reg. 36.

Sch. 29
item 29A
substituted by
S.R. No.
6/2012
reg. 34(e).

-
- (b) A product that is installed in business or other non-residential premises and—
- (i) satisfies the minimum eligibility criteria for an item 29A in Part A: 0·43;
 - (ii) satisfies the minimum eligibility criteria for an item 29A in Part A and is connected to at least 3 controlled appliances at the time of installation: 0·61;
 - (iii) satisfies the minimum eligibility criteria for an item 29A in Part A and is capable of automatically disconnecting mains power to controlled appliances when the master computer enters Sleep Mode, and has been demonstrated, to the satisfaction of the ESC, to be capable of achieving abatement of greater than or equal to 1·5 tonnes over a 10 year period and has been subjected to a field trial approved by the ESC: A_t

where A_t is the tonnes of abatement, not exceeding 6·0, that the product has demonstrated to be capable of achieving to the satisfaction of the ESC.

Sch. 29
item 29B
substituted by
S.R. No.
6/2012
reg. 34(e).

29B Abatement Factor:

- (a) A product that is installed in residential premises and—
 - (i) satisfies the minimum eligibility criteria for item 29B in Part A: 1·0
 - (ii) A product that satisfies the minimum eligibility criteria for item 29B in Part A and does not operate solely on the basis of a master/slave arrangement, and has been demonstrated, to the satisfaction of the ESC, to be capable of achieving

abatement of greater than or equal
to 1·5 tonnes over a 10 year period
and has been subjected to a field trial
approved by the ESC: A_t

where A_t is the tonnes of abatement, not exceeding
6·0, that the product has demonstrated to be capable
of achieving to the satisfaction of the ESC.

- (b) A product that is installed in business or other
non-residential premises and—
- (i) satisfies the minimum eligibility
criteria for an item 29B in Part A: 0·45;
 - (ii) satisfies the minimum eligibility
criteria for an item 29B in Part A
and is connected to at least
3 controlled appliances at the time
of installation: 0·65.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 29 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

- 29A–29B At the beginning of the day on which the installation
of the product or products is completed.

Sch. 30
inserted by
S.R. No.
14/2012 reg. 7.

Schedule 30—In-home display unit

Regulation 6(2)(c)

Prescribed activity under regulation 6(2)(c): *Installing an in-home display unit that complies with the criteria specified in Part A of Schedule 30.*

Part A—Criteria

Item

- 30A A product that when installed in relation to an AMI metering installation provides information on the total electricity consumption of the residential premises directly to the consumer in respect of whom the installation is undertaken, and—
- (a) complies with the ZigBee Smart Energy Profile Specification published by the ZigBee Standards Organisation on 1 December 2008 and the ZigBee Smart Energy Profile Specification version 1.1 published by the ZigBee Standards Organisation on 23 March 2011; and
 - (b) when tested by an approved laboratory in accordance with a laboratory test approved by the ESC, is demonstrated to—
 - (i) determine electricity consumption information from the sensing apparatus at least every 30 seconds; and
 - (ii) be able to store electricity energy consumption information from the previous 45 days; and
 - (iii) be able to display to the consumer (or relay to a device that is capable of displaying to the consumer) in a numerical format and a format other than a numerical format that allows the consumer to easily distinguish between low and high consumption—

- (A) electricity energy consumption information from the previous 45 days in intervals no longer than one hour per day of information displayed and one day per week of information displayed; and
 - (B) the average total household electrical power consumption (in watts) for the displayed period, which must be updated at least every 30 seconds; and
 - (C) the total household electricity energy consumption (in kWh) for the displayed period and the cost of that consumption, which must be updated at least every 30 seconds; and
- (iv) be able to display to the consumer (or relay to a device that is capable of displaying to the consumer) the tariff (in cost per unit of energy consumed) and the total cost of electricity consumed for the period displayed; and
 - (v) be able to permanently erase all consumption and tariff information held by the product including all information entered by the consumer; and
 - (vi) have an average electric power consumption of not more than 0.6 watts when operating under normal circumstances; and
- (c) if battery powered, uses a battery that has a manufacturer's rated lifetime of at least 5 years when operating under normal circumstances.
- 30B A product that when installed in relation to any sensing apparatus provides information on the total electricity consumption of the residential premises directly to the consumer in respect of whom the installation is undertaken, and—

- (a) when tested by an approved laboratory in accordance with a laboratory test approved by the ESC, is demonstrated to—
 - (i) determine electricity consumption information from the sensing apparatus at least every 30 seconds; and
 - (ii) be able to store electricity energy consumption information from the previous 45 days; and
 - (iii) be able to display to the consumer (or relay to a device that is capable of displaying to the consumer) in a numerical format and a format other than a numerical format that allows the consumer to easily distinguish between low and high consumption—
 - (A) electricity energy consumption information from the previous 45 days in intervals no longer than one hour per day of information displayed and one day per week of information displayed; and
 - (B) the average total household electrical power consumption (in watts) for the displayed period, which must be updated at least every 30 seconds; and
 - (C) the total household electricity energy consumption (in kWh) for the displayed period and the cost of that consumption, which must be updated at least every 30 seconds; and
 - (iv) be able to display to the consumer (or relay to a device that is capable of displaying to the consumer) the tariff (in cost per unit of energy consumed) and the total cost of electricity consumed for the period displayed; and

- (v) be able to permanently erase all consumption and tariff information held by the product (including all information entered by the consumer); and
 - (vi) have an average electric power consumption of not more than 0.6 watts when operating under normal circumstances; and
 - (vii) is demonstrated to provide electricity energy consumption information that is accurate to within 5% of actual electricity consumption; and
- (b) if battery powered, uses a battery that has a manufacturer's rated lifetime of at least 5 years when operating under normal circumstances; and
 - (c) uses, for its communications with the sensing apparatus and any display device, an encrypted communication protocol that is approved by the ESC.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

Sch. 30 Pt B
amended by
S.R. No.
32/2012
reg. 37.

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

30A–30B Abatement factor:

- (a) If the product is installed in a non-gas reticulated area: 2.47;
- (b) If the product is installed in a gas reticulated area: 1.87.

30A–30B Regional factor:

- | | |
|---|-------|
| (a) If the product is installed in metropolitan Victoria: | 0.98; |
| (b) If the product is installed in regional Victoria: | 1.04. |

Sch. 30 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Item

30A–30B At the beginning of the first day on which the product is connected to the sensing apparatus and provides total household electricity consumption information to the consumer.

Schedule 31—High efficiency motor

Regulation 6(3)(a)

Prescribed activity under regulation 6(3)(a): *Installing a three-phase induction motor that complies with the criteria specified in Part A of Schedule 31.*

Part A—Criteria

Item

31A A three-phase cage induction motor that—

- (a) has a rated output, as determined in accordance with AS 60034.1-2009, of not less than 0.75 and not more than 185 kW; and
- (b) is labelled or marked as a high efficiency motor; and
- (c) does not meet the requirements for an IE4 (super-premium) efficiency level motor proposed in Appendix A of IEC/TS 60034-31 when tested in accordance with IEC 60034-2-1; and
- (d) has 2, 4, 6 or 8 poles; and
- (e) is listed on the ESC register.

31B A three-phase cage induction motor that—

- (a) has a rated output, as determined in accordance with AS 60034.1-2009, of not less than 0.75 and not more than 185 kW; and
- (b) meets the requirements for an IE4 (super-premium) efficiency level motor proposed in Appendix A of IEC/TS 60034-31 when tested in accordance with IEC 60034-2-1; and
- (c) has 2, 4 or 6 poles; and
- (d) is listed on the ESC register.

Sch. 31
(Heading)
amended by
S.R. No.
167/2015
reg. 13(1)(a).

Sch. 31
inserted by
S.R. No.
32/2012
reg. 38,
amended by
S.R. No.
167/2015
reg. 13(1)(b).

Sch. 31 Pt A
item 31A
substituted by
S.R. No.
167/2015
reg. 13(2).

Sch. 31 Pt A
item 31B
substituted by
S.R. No.
167/2015
reg. 13(3).

Sch. 31 Pt B
amended by
S.R. No.
167/2015
reg. 13(4).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor for that item (determined according to the minimum rated output of the motor) by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

31A The abatement factor for a motor is specified in column 3 of the following Table in respect of the minimum rated output (in kW) of the motor, as specified in column 2 of that Table.

Sch. 31 Pt B
item 31A
(Table)
amended by
S.R. No.
167/2015
reg. 13(5).

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Minimum rated output (kW)</i>	<i>Abatement factor</i>
1	0.75	0.28
2	1.1	0.38
3	1.5	0.45
4	2.2	0.61
5	3	1.03
6	4	1.27
7	5.5	1.60
8	7.5	1.99
9	11	3.74
10	15	4.64
11	18.5	5.42
12	22	6.12
13	30	7.75
14	37	8.71
15	45	13.33

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 31—High efficiency motor

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Minimum rated output (kW)</i>	<i>Abatement factor</i>
16	55	15·16
17	75	19·51
18	90	20·55
19	110	32·71
20	132	34·92
21	150	38·33
22	185	47·28

31B The abatement factor for a motor is specified in column 3 of the following Table in respect of the minimum rated output (in kW) of the motor, as specified in column 2 of that Table.

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Minimum rated output (kW)</i>	<i>Abatement factor</i>
1	0·75	0·55
2	1·1	0·76
3	1·5	0·88
4	2·2	1·25
5	3	2·08
6	4	2·46
7	5·5	3·50
8	7·5	4·17
9	11	8·56
10	15	10·02
11	18·5	11·72
12	22	13·77
13	30	15·83
14	37	17·94
15	45	27·47
16	55	31·69

Sch. 31 Pt B
item 31B
(Table)
amended by
S.R. No.
167/2015
reg. 13(6).

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 31—High efficiency motor

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Minimum rated output (kW)</i>	<i>Abatement factor</i>
17	75	34.89
18	90	38.09
19	110	55.51
20	132	58.09
21	150	57.59
22	185	78.20

31A–31B Regional factor:

- (a) If the product is installed in metropolitan Victoria: 0.98;
- (b) If the product is installed in regional Victoria: 1.04.

Sch. 31 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Part C—Time at which activity undertaken and reduction in greenhouse gas emissions occurs

Item

Sch. 31 Pt C
item 31A–31B
substituted by
S.R. No.
167/2015
reg. 13(7).

31A–31B At the beginning of the day on which the installed product is first able to deliver power.

Schedule 32—High efficiency refrigerated display cabinet

Regulation 6(3)(b)

Prescribed activity under regulation 6(3)(b): *Installing a refrigerated display cabinet that complies with the criteria specified in Part A of Schedule 32.*

Part A—Criteria

Item

32A A refrigerated display cabinet that is—

- (a) rated as 'high efficiency' within the meaning of AS 1731.14-2003 published on 1 October 2003 and reissued July 2012 incorporating Amendment No. 2 when tested in accordance with—
 - (i) AS 1731.9-2003 published on 1 October 2003 and reissued December 2005 incorporating Amendment No. 1; and
 - (ii) AS 1731.12-2003 published on 1 October 2003 and reissued December 2005 incorporating Amendment No. 1; and
- (b) listed on the ESC register.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the total display area (m²) of that item by the abatement factor for that item and by the regional factor applying to the place where the product is installed.

Sch. 32
(Heading)
amended by
S.R. No.
167/2015
reg. 14(1)(a).

Sch. 32
inserted by
S.R. No.
32/2012
reg. 38,
amended by
S.R. No.
167/2015
reg. 14(1)(b).

Sch. 32 Pt A
item 32A
substituted by
S.R. No.
167/2015
reg. 14(2).

Sch. 32 Pt B
amended by
S.R. No.
167/2015
reg. 14(3).

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 32—High efficiency refrigerated display cabinet

The following are the abatement factors and regional factors for each item in Part A:

Item

32A The abatement factor for a refrigerated display cabinet is specified in column 3 of the following Table in respect of the type and subclass (within the meaning of Appendix A of AS 1731.14-2003 published on 1 October 2003 and reissued July 2012 incorporating Amendment No. 2) of the refrigerated display cabinet, as specified in column 2 of that Table.

Sch. 32 Pt B
item 32A
(Table)
amended by
S.R. No.
167/2015
reg. 14(4).

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Refrigerated display cabinet type and subclass</i>	<i>Abatement factor</i>
1	RS 1- unlit shelves	10·69
2	RS 1- lit shelves	18·19
3	RS 2- unlit shelves	10·80
4	RS 2- lit shelves	14·44
5	RS 3- unlit shelves	11·60
6	RS 3- lit shelves	15·69
7	RS 4- glass door	7·62
8	RS 6- gravity coil	11·03
9	RS 6- fan coil	11·03
10	RS 7- fan coil	12·62
11	RS 8- gravity coil	9·55
12	RS 8- fan coil	10·23
13	RS 9- fan coil	10·35
14	RS 10- low	14·55
15	RS 11	29·68
16	RS 12	51·62
17	RS 13- solid sided	16·60
18	RS 13- glass sided	15·24
19	RS 14- solid sided	10·35

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 32—High efficiency refrigerated display cabinet

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Refrigerated display cabinet type and subclass</i>	<i>Abatement factor</i>
20	RS 14- glass sided	61·97
21	RS 15- glass door	24·79
22	RS 16- glass door	27·06
23	RS 18	22·63
24	RS 19	16·83
25	HC 1	7·73
26	HC 4	10·46
27	VC 1	22·17
28	VC 2	17·62
29	VC4- solid door	25·47
30	VC4- glass door	16·71
31	HF4	17·97
32	HF6	5·34
33	VF4- solid door	27·97
34	VF4- glass door	27·97

32A Regional factor:

- (a) If the product is installed in metropolitan Victoria: 0·98;
- (b) If the product is installed in regional Victoria: 1·04.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 32 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

- 32A At the beginning of the day on which the installed product is first able to deliver refrigeration.

Sch. 32 Pt C
item 32A
substituted by
S.R. No.
167/2015
reg. 14(5).

Sch. 33
(Heading)
amended by
S.R. No.
167/2015
reg. 15(1)(a).

Schedule 33—Refrigeration fan motor

Regulation 6(3)(c)

Prescribed activity under regulation 6(3)(c): *Installing a product that complies with the criteria specified in Part A of Schedule 33 in a refrigerated display cabinet, commercial freezer or cool room.*

Sch. 33
inserted by
S.R. No.
32/2012
reg. 38,
amended by
S.R. No.
167/2015
reg. 15(1)(b).

Part A—Criteria

Item

Sch. 33 Pt A
item 33A
substituted by
S.R. No.
167/2015
reg. 15(2).

- 33A A fan that is powered by an electronically commutated motor (being a permanent magnet motor with electronic commutation) that is listed in the ESC register and—
- (a) in the case of an internal rotor motor, has a rated motor output of not more than 600 watts; or
 - (b) in the case of an external rotor motor, has a rated motor input of not more than 800 watts.

Sch. 33 Pt B
amended by
S.R. No.
167/2015
reg. 15(3).

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is calculated by multiplying the abatement factor of that item by the regional factor applying to the place where the product is installed.

The following is the abatement factor and regional factor for each item in Part A:

Item

- 33A Abatement factor:

To be determined in accordance with the formula—

$$(IP \times 0.7692 + 19.385) \times (1 + (1 \div COP)) \times 0.03357$$

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S.R. No. 158/2008
Schedule 33—Refrigeration fan motor

Where—

IP is the input power in watts of the motor that powers the fan;

COP is the coefficient of performance for the refrigerator in which the fan is installed, as specified in column 3 of the following Table in respect of the type of the refrigerator, as specified in column 2 of that Table.

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Refrigerator type</i>	<i>Column 3</i> <i>COP</i>
1	Refrigerator display cabinet	2.80
2	Freezer	1.80
3	Cool room	2.56

33A Regional factor:

- (a) If the product or products are installed in metropolitan Victoria: 0.98;
- (b) If the product or products are installed in regional Victoria: 1.04.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 33 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

33A At the beginning of the day on which the installed motor is first able to deliver power to the installed fan.

Sch. 33 Pt C
item 33A
substituted by
S.R. No.
167/2015
reg. 15(4).

Sch. 34
inserted by
S.R. No.
32/2012
reg. 38.

Schedule 34—Lighting upgrade

Regulation 6(2)(d) and (3)(d)

Prescribed activities under regulation 6(2)(d) and (3)(d): *Undertaking a lighting upgrade in certain buildings, structures or areas by installing lighting equipment referred to in Part A of Schedule 34 and decommissioning any replaced lighting equipment, or doing certain things to a multiple lamp fitting.*

Sch. 34 Pt A
items 34A–
34D
substituted by
S.R. No.
167/2015
reg. 16(1).

Part A—Criteria

Item

34A A T5 adaptor that—

- (a) has a lamp with a minimum wattage of 14 watts;
and
- (b) has a power factor of at least 0.9; and
- (c) has a ballast made from rigid non-metallic
material; and
- (d) meets standards determined by the ESC when
tested by an approved laboratory in accordance
with a laboratory test approved by the ESC; and
- (e) is listed in the ESC register.

34B A lighting control device, other than a voltage reduction unit, that is certified by the manufacturer as appropriate for use with the type of lamps it will be required to control.

34C A voltage reduction unit that—

- (a) has an output voltage ascertained by an approved
laboratory in accordance with a laboratory test
approved by the ESC; and
- (b) is not installed in conjunction with electronic
ballasts; and
- (c) is listed in the ESC register.

34D Any other lighting equipment that—

- (a) is listed in the ESC register; and
- (b) when installed, meets the minimum power factor determined by the ESC and specified on the ESC's Internet site; and
- (c) meets standards determined by the ESC when tested by an approved laboratory in accordance with a laboratory test approved by the ESC.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

Sch. 34 Pt B
amended by
S.R. No.
167/2015
reg. 16(2)–(5).

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by undertaking a lighting upgrade is determined by multiplying the abatement factor for the lighting upgrade by the regional factor for the lighting upgrade.

Abatement factor

The abatement factor for a lighting upgrade is calculated by multiplying the energy savings by 1.095, where energy savings are calculated using equation 1.

Equation 1

Energy savings = baseline energy consumption - upgrade energy consumption where—

baseline energy consumption is in MWh and is calculated—

- (a) if the lighting upgrade is part of a site refurbishment that is required to comply with Part J6 of the Building Code as amended from time to time, using Equation 2; or
- (b) in any other case, using Equation 3;

upgrade energy consumption is in MWh, and is calculated using Equation 4.

Equation 2

Baseline Energy Consumption (MWh) = $\sum_{\text{Each Space}} (\text{IPD} \times \text{Area} \times \text{Asset Lifetime} \times \text{Annual Operating Hours} \times \text{CM} \times \text{AM}) \div 10^6$

where—

Each Space means each space within the site of the lighting upgrade that requires a different illumination power density (IPD) within the meaning of Part J6 of the Building Code as amended from time to time;

IPD is the maximum allowable illumination power density for the space (in watts/m²), as specified by Table J6.2a of the Building Code as amended from time to time;

Area is the area of the space in m²;

Asset Lifetime is—

(a) if, as part of the lighting upgrade—

- (i) a light fitting, ballast or transformer (and any associated lamp or reflector) is installed in the space; and
- (ii) no lighting equipment of any other type (other than a lighting control device) is installed in the space—

10 years; or

(ab) if, as part of the lighting upgrade—

- (i) a lighting control device is installed in the space; and
- (ii) no lighting equipment of any other type is installed in the space—

5 years; or

(b) if, as part of the lighting upgrade—

- (i) no more than half the lamps are removed from a multiple lamp fitting in the space; and
- (ii) any ballast or transformer associated with the removed lamps is decommissioned; and

- (iii) no light fittings, ballasts, transformers, lamps or T5 adaptors are installed in the space—

the lowest manufacturer's rated lifetime (in hours and not exceeding 30 000 hours) for a lamp that is in the space before the lighting upgrade is undertaken divided by Annual Operating Hours, to a maximum of 10 years; or

- (c) in any other case, the lowest manufacturer's rated lifetime (in hours and not exceeding 30 000 hours) for a lamp that is in the space after the lighting upgrade is undertaken divided by Annual Operating Hours, to a maximum of 10 years;

Annual Operating Hours is—

- (a) if the lighting upgrade is undertaken on a road or in a public or outdoor space that is not a sports field, other than the replacement or installation of traffic signals, 4500 hours; or
- (b) if traffic signals are replaced as part of the lighting upgrade, 2920 hours; or
- (c) if the lighting upgrade is undertaken in a space specified in column 2 of Table 3, the number of hours specified in column 3 of that Table in respect of that space as specified in column 2 of that Table; or
- (d) if the lighting upgrade is undertaken in a space that is not specified in column 2 of Table 3 but that is specified in column 2 of Table 4, the number of hours specified in column 3 of Table 4 in respect of that space as specified in column 2 of that Table; or
- (e) in any other case, 1000 hours.

CM is the control multiplier for the space, being—

- (a) if no lighting control device is installed in respect of light fittings in that space, 1; or

- (b) if one type of lighting control device is installed in respect of light fittings in that space, the number specified in column 3 of Table 2 in respect of the type of the lighting control device as specified in column 2 of that Table; or
- (c) if more than one type of lighting control device is installed in respect of light fittings in that space—
 - (i) the product of the two lowest numbers specified in column 3 of Table 2 in respect of the types of those lighting control devices as specified in column 2 of that Table; or
 - (ii) if the product referred to in subparagraph (i) is lower than 0.6, 0.6;

AM is the air conditioning multiplier, being—

- (a) if the space is air conditioned, 1.05; or
- (b) if the space is not air conditioned, 1.

Equation 3

Baseline energy consumption (MWh) = $\sum \text{Each Incumbent Lamp (LCP} \times \text{Asset Lifetime} \times \text{Annual Operating Hours} \times \text{CM} \times \text{AM}) \div 10^6$

where—

Each Incumbent Lamp means each lamp and associated ballast and transformer (if any) in the site of the lighting upgrade before the lighting upgrade is undertaken;

LCP means the lamp circuit power for the lamp, being—

- (a) if the ESC has determined the lamp circuit power for the type of the lamp in relation to the lighting upgrade in accordance with regulation 6C(2), the lamp circuit power determined by the ESC; or
- (b) in any other case, the value specified in column 3 of Table 1 of this Schedule in respect of the type of the lamp as specified in column 2 of that Table;

Asset Lifetime is—

(a) if, as part of the lighting upgrade—

- (i) the lamp is removed from a multiple lamp fitting from which no more than half of the installed lamps are removed; and
- (ii) any ballast or transformer associated with the removed lamps is decommissioned—

the manufacturer's rated lifetime (in hours and not exceeding 30 000 hours) for the lamp divided by Annual Operating Hours, to a maximum of 10 years; or

(ab) if, as part of the lighting upgrade—

- (i) a lighting control device is installed in the space; and
- (ii) no lighting equipment of any other type is installed in the space—

5 years; or

(b) if, as part of the lighting upgrade, the lamp is removed and not replaced and—

- (i) the ballast or transformer associated with the lamp is replaced; or
- (ii) the light fitting in which the lamp was installed is removed—

10 years; or

(c) if, as part of the lighting upgrade, the lamp is replaced and any ballast or transformer associated with the lamp is also replaced, 10 years; or

(d) if, as part of the lighting upgrade, the lamp is replaced and—

- (i) the ballast or transformer associated with the lamp is not replaced; or

- (ii) there is no ballast or transformer associated with the lamp—

the manufacturer's rated lifetime (in hours and not exceeding 30 000 hours) for the replacement lamp divided by Annual Operating Hours, to a maximum of 10 years; or

- (e) in any other case, the manufacturer's rated lifetime (in hours and not exceeding 30 000 hours) for the lamp divided by Annual Operating Hours, to a maximum of 10 years;

Annual Operating Hours is—

- (a) if the lighting upgrade is undertaken on a road or in a public or outdoor space that is not a sports field, other than the replacement or installation of traffic signals, 4500 hours; or
- (b) if traffic signals are replaced as part of the lighting upgrade, 2920 hours; or
- (c) if the lighting upgrade is undertaken in a space specified in column 2 of Table 3, the number of hours specified in column 3 of that Table in respect of that space as specified in column 2 of that Table; or
- (d) if the lighting upgrade is undertaken in a space that is not specified in column 2 of Table 3 but that is specified in column 2 of Table 4, the number of hours specified in column 3 of Table 4 in respect of that space as specified in column 2 of that Table; or
- (e) in any other case, 1000 hours.

CM is the control multiplier for the lamp, being—

- (a) if no lighting control device is installed in respect of the lamp, 1; or
- (b) if one type of lighting control device is installed in respect of the lamp, the number specified in column 3 of Table 2 in respect of the type of the lighting control device as specified in column 2 of that Table; or

- (c) if more than one type of lighting control device is installed in respect of the lamp—
 - (i) the product of the two lowest numbers specified in column 3 of Table 2 in respect of the types of those lighting control devices as specified in column 2 of that Table; or
 - (ii) if the product referred to in subparagraph (i) is lower than 0.6, 0.6;

AM is the air conditioning multiplier, being—

- (a) if the lamp is in a space that is air conditioned, 1.05; or
- (b) if the lamp is in a space that is not air conditioned, 1.

Equation 4

Upgrade energy consumption (MWh) = $\sum \text{Each Upgrade Lamp} (\text{LCP} \times \text{Asset Lifetime} \times \text{Annual Operating Hours} \times \text{CM} \times \text{AM}) \div 10^6$

where—

Each Upgrade Lamp means each lamp and associated ballast and transformer (if any) in the site of the lighting upgrade after the prescribed activity is undertaken;

LCP means the lamp circuit power for the lamp, being—

- (a) if the ESC has determined the lamp circuit power for the type of the lamp in relation to the lighting upgrade in accordance with regulation 6C(2), the lamp circuit power determined by the ESC; or
- (b) in any other case, the value specified in column 4 of Table 1 of this Schedule in respect of the type of the lamp as specified in column 2 of that Table;

Asset Lifetime is—

- (a) if the ballast or transformer associated with the lamp is replaced as part of the lighting upgrade, 10 years; or

- (ab) if, as part of the lighting upgrade—
- (i) a lighting control device is installed in the space; and
 - (ii) no lighting equipment of any other type is installed in the space—
- 5 years; or
- (b) if the lamp is installed in a lighting fitting that was installed as part of the lighting upgrade, 10 years; or
- (c) in any other case, the manufacturer's rated lifetime (in hours and not exceeding 30 000 hours) for the lamp divided by Annual Operating Hours, to a maximum of 10 years;

Annual Operating Hours is—

- (a) if the lighting upgrade is undertaken on a road or in a public or outdoor space that is not a sports field, other than the replacement or installation of traffic signals, 4500 hours; or
- (b) if traffic signals are replaced as part of the lighting upgrade, 2920 hours; or
- (c) if the lighting upgrade is undertaken in a space specified in column 2 of Table 3, the number of hours specified in column 3 of that Table in respect of that space as specified in column 2 of that Table; or
- (d) if the lighting upgrade is undertaken in a space that is not specified in column 2 of Table 3 but that is specified in column 2 of Table 4, the number of hours specified in column 3 of Table 4 in respect of that space as specified in column 2 of that Table; or
- (e) in any other case, 1000 hours.

CM is the control multiplier for the lamp, being—

- (a) if no lighting control device is installed in respect of the lamp, 1; or

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- (b) if one type of lighting control device is installed in respect of the lamp, the number specified in column 3 of Table 2 in respect of the type of the lighting control device as specified in column 2 of that Table; or
- (c) if more than one type of lighting control device is installed in respect of the lamp—
 - (i) the product of the two lowest numbers specified in column 3 of Table 2 in respect of the types of those lighting control devices as specified in column 2 of that Table; or
 - (ii) if the product referred to in subparagraph (i) is lower than 0·6, 0·6;

AM is the air conditioning multiplier, being—

- (a) if the lamp is in a space that is air conditioned, 1·05; or
- (b) if the lamp is in a space that is not air conditioned, 1.

Table 1—Lamp circuit power

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item</i>	<i>Type of incumbent lamp or upgrade lamp</i>	<i>Lamp circuit power for incumbent lamp</i>	<i>Lamp circuit power for upgrade lamp</i>
1	T8 or T12 linear fluorescent or circular fluorescent with an associated ballast marked as having a EEI of A1	NLP +2	NLP +2
2	T8 or T12 linear fluorescent or circular fluorescent with an associated ballast marked as having a EEI of A2	NLP	NLP

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Schedule 34—Lighting upgrade

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item</i>	<i>Type of incumbent lamp or upgrade lamp</i>	<i>Lamp circuit power for incumbent lamp</i>	<i>Lamp circuit power for upgrade lamp</i>
3	T8 or T12 linear fluorescent or circular fluorescent with an associated ballast marked as having a EEI of A3	NLP + 2	NLP + 2
4	T8 or T12 linear fluorescent or circular fluorescent with an associated ballast rated as having a EEI of B1	NLP + 6	NLP + 6
5	T8 or T12 linear fluorescent or circular fluorescent with an associated ballast marked as having a EEI of B2	NLP + 8	NLP + 8
6	T8 or T12 linear fluorescent or circular fluorescent with an associated ballast marked as having a EEI of C	NLP + 10	NLP + 10
7	T8 or T12 linear fluorescent or circular fluorescent with an associated ballast marked as having a EEI of D	NLP + 12	NLP + 12

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Schedule 34—Lighting upgrade

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item</i>	<i>Type of incumbent lamp or upgrade lamp</i>	<i>Lamp circuit power for incumbent lamp</i>	<i>Lamp circuit power for upgrade lamp</i>
8	T8 or T12 linear fluorescent or circular fluorescent with an associated magnetic ballast on which no EEI is marked	NLP + 10	NLP + 10
9	T8 or T12 linear fluorescent or circular fluorescent with an associated electronic ballast on which no EEI is marked	NLP + 2	NLP + 2
10	T5 linear fluorescent or circular fluorescent with an associated ballast marked as having a EEI of A1	$1.13 \times \text{NLP} + 2.5$	$1.13 \times \text{NLP} + 2.5$
11	T5 linear fluorescent or circular fluorescent with an associated ballast marked as having a EEI of A2	$1.08 \times \text{NLP} + 1.5$	$1.08 \times \text{NLP} + 1.5$
12	T5 linear fluorescent or circular fluorescent with an associated ballast marked as having a EEI of A3	$1.13 \times \text{NLP} + 2.5$	$1.13 \times \text{NLP} + 2.5$

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Schedule 34—Lighting upgrade

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item</i>	<i>Type of incumbent lamp or upgrade lamp</i>	<i>Lamp circuit power for incumbent lamp</i>	<i>Lamp circuit power for upgrade lamp</i>
13	T5 linear fluorescent or circular fluorescent with an associated electronic ballast on which no EEI is marked	$1.13 \times \text{NLP} + 2.5$	$1.13 \times \text{NLP} + 2.5$
14	Compact fluorescent lamp with non-integral ballast marked as having a EEI of A1	$\text{NLP} + 3$	$\text{NLP} + 3$
15	Compact fluorescent lamp with non-integral ballast marked as having a EEI of A2	$\text{NLP} + 1$	$\text{NLP} + 1$
16	Compact fluorescent lamp with non-integral ballast marked as having a EEI of A3	$\text{NLP} + 3$	$\text{NLP} + 3$
17	Compact fluorescent lamp with non-integral ballast marked as having a EEI of B1	$\text{NLP} + 5$	$\text{NLP} + 5$
18	Compact fluorescent lamp with non-integral ballast marked as having a EEI of B2	$\text{NLP} + 7$	$\text{NLP} + 7$

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Schedule 34—Lighting upgrade

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item</i>	<i>Type of incumbent lamp or upgrade lamp</i>	<i>Lamp circuit power for incumbent lamp</i>	<i>Lamp circuit power for upgrade lamp</i>
19	Compact fluorescent lamp with non-integral ballast marked as having a EEI of C	NLP + 9	NLP + 9
20	Compact fluorescent lamp with non-integral ballast marked as having a EEI of D	NLP + 11	NLP + 11
21	Compact fluorescent lamp with non-integral magnetic ballast on which no EEI is marked	NLP + 9	NLP + 9
22	Compact fluorescent lamp with non-integral electronic ballast on which no EEI is marked	NLP + 3	NLP + 3
23	Compact fluorescent with integral ballast	NLP	NLP
24	Tungsten incandescent or halogen (mains voltage)	$\text{NLP} \times 0.7$	NLP
25	Tungsten incandescent or halogen (extra low voltage) with magnetic transformer	$\text{NLP (being no greater than 37 watts)} \div 0.8$	$\text{NLP} \div 0.8$

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 34—Lighting upgrade

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item</i>	<i>Type of incumbent lamp or upgrade lamp</i>	<i>Lamp circuit power for incumbent lamp</i>	<i>Lamp circuit power for upgrade lamp</i>
26	Tungsten incandescent or halogen (extra low voltage) with electronic transformer	NLP (being no greater than 37 watts) $\div 0.93$	$NLP \div 0.93$
27	Metal halide with magnetic ballast (reactor type)	$1.0456 \times NLP + 14$	$1.0456 \times NLP + 14$
28	Metal halide with magnetic ballast (constant wattage type)	$1.071 \times NLP + 22$	$1.071 \times NLP + 22$
29	Metal halide with electronic ballast	$1.096 \times NLP + 0.9$	$1.096 \times NLP + 0.9$
30	Mercury vapour with magnetic ballast	$1.033 \times NLP + 11$	$1.033 \times NLP + 11$
31	High pressure sodium (HPS) with magnetic ballast	$1.051 \times NLP + 13$	$1.051 \times NLP + 13$

Notes

- 1 **EEI** means Energy Efficiency Index within the meaning of AS/NZS 4783.2:2002 published on 23 December 2002.
- 2 **NLP** means the nominal lamp power, being the manufacturer's rated value for power drawn by a single lamp.
- 3 If the lamp circuit power of a lamp of a type not listed in column 1 is required to calculate the abatement factor, no certificate can be created in relation to the upgrade unless the ESC has determined the lamp circuit power for that type of lamp under regulation 6C(2). See regulation 10(3).

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S.R. No. 158/2008
Schedule 34—Lighting upgrade

Table 2—Control multiplier

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Lighting control device</i>	<i>Column 3</i> <i>Control multiplier</i>
1	Occupancy sensor	0.7
2	Daylight-linked control	0.7
3	Programmable dimmer	0.85
4	Manual dimmer	0.9
5	Voltage reduction unit	$V^2 \div 240^2$ where 'V' is the output voltage of the voltage reduction unit referred to in item 34C(a) of Part A of this Schedule.
6	Multiple Control Systems—where all lamps in the lighting system are connected to a programmable dimmer and manual dimmer	0.76
7	Multiple Control Systems—any other combination of 2 or more control systems above	0.6

Sch. 34 Pt B
(Table 2)
amended by
S.R. No.
167/2015
reg. 16(6).

Table 3—Operating hours for lighting upgrades undertaken in certain spaces

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Type of space</i>	<i>Column 3</i> <i>Annual operating hours (hours per year)</i>
1	Auditorium, church and public hall	2000
2	Board room and conference room	3000
3	Carpark—general (undercover) and carpark—entry zone (first 20 m of travel)	7000
4	Carpark—general (open air)	4500

Sch. 34 Pt B
(Table 3)
inserted by
S.R. No.
167/2015
reg. 16(7).

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 34—Lighting upgrade

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Type of space</i>	<i>Annual operating hours (hours per year)</i>
5	Common rooms, spaces and corridors in a Class 2 building	7000
6	Courtroom	2000
7	Dormitory of a Class 3 building used for sleeping only or sleeping and study	3000
8	Health-care—children's ward, examination room, patient ward, all patient care areas including corridors where cyanosis lamps are used	6000
9	Laboratory—artificially lit to an ambient level of 400 lx or more	3000
10	Library—stack and shelving area, reading room and general areas	3000
11	Lounge area for communal use in a Class 3 building or Class 9c aged care building	7000
12	Maintained emergency lighting	8500
13	Museum and gallery—circulation, cleaning and service lighting	2000
14	Office	3000
15	Restaurant, café, bar, hotel lounge and a space for the serving and consumption of food or drinks	5000
16	Retail space including a museum and gallery whose purpose is the sale of objects	5000
17	School—general purpose learning areas and tutorial rooms	3000
18	Sole-occupancy unit of a Class 3 building	3000
19	Sole-occupancy unit of a Class 9c aged care building	6000
20	Storage with shelving no higher than 75% of the height of the aisle lighting	5000

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 34—Lighting upgrade

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Type of space</i>	<i>Annual operating hours (hours per year)</i>
21	Storage with shelving higher than 75% of the height of the aisle lighting	5000
22	Wholesale storage and display area	5000

Table 4—Operating hours determined by reference to building classification under the Building Code

Sch. 34 Pt B
(Table 4)
inserted by
S.R. No.
167/2015
reg. 16(7).

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Type of space</i>	<i>Annual operating hours (hours per year)</i>
1	A space in the common area of a building that is classified as Class 2 under Part 3A of the Building Code as amended from time to time	7000
2	A space in the common area of a building that is classified as Class 3 under Part 3A of the Building Code as amended from time to time	7000
3	A space in a building that is classified as Class 3 under Part 3A of the Building Code as amended from time to time (other than a space in the common area of the building)	3000
4	A space in a building that is classified as Class 5 under Part 3A of the Building Code as amended from time to time	3000
5	A space in a building that is classified as Class 6 under Part 3A of the Building Code as amended from time to time	5000
6	A space in an open air car park that is classified as Class 7a under Part 3A of the Building Code as amended from time to time	4500

Victorian Energy Efficiency Target Regulations 2008
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Schedule 34—Lighting upgrade

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Type of space</i>	<i>Annual operating hours (hours per year)</i>
7	A space in a car park (other than an open air car park) that is classified as Class 7a under Part 3A of the Building Code as amended from time to time	7000
8	A space in a building that is classified as Class 7b under Part 3A of the Building Code as amended from time to time	5000
9	A space in a laboratory or building that is classified as Class 8 under Part 3A of the Building Code as amended from time to time and that is also classified as Division C in the Australian and New Zealand Standard Industrial Classification issued on 26 June 2013	5000
10	A space in a laboratory or building that is classified as Class 8 under Part 3A of the Building Code as amended from time to time and that is not classified as Division C in the Australian and New Zealand Standard Industrial Classification issued on 26 June 2013	3000
11	A space in a building that is classified as Class 9a under Part 3A of the Building Code as amended from time to time	6000
12	A space in a building that is classified as Class 9b under Part 3A of the Building Code as amended from time to time	2000
13	A space in a building that is classified as Class 9c under Part 3A of the Building Code as amended from time to time	6000
14	A space in a structure that is classified as Class 10b under Part 3A of the Building Code as amended from time to time	1000

Regional factor

The regional factor for a lighting upgrade is—

- (a) if the lighting upgrade is undertaken in metropolitan Victoria, 0.98;
- (b) if the lighting upgrade is undertaken in regional Victoria, 1.04.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 34 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

At the beginning of the day on which the lighting upgrade is completed.

Sch. 35
inserted by
S.R. No.
24/2013 reg. 9.

Schedule 35—Low flow trigger nozzle

Regulation 6(3)(e)

Prescribed activity under regulation 6(3)(e): *Decommissioning a trigger nozzle that has a maximum water flow requirement of at least 12L/minute and that is not labelled with a Smart Approved Watermark and installing a trigger nozzle that complies with the criteria specified in Part A of Schedule 35.*

Part A—Criteria

35A A trigger nozzle that—

- (a) is labelled with a Smart Approved Watermark; and
- (b) only uses water with a temperature of at least 45°C.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by decommissioning a trigger nozzle that has a maximum water flow requirement of at least 12L/minute and that is not labelled with a Smart Approved Watermark and installing a product referred to in Part A is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

35A Abatement factor	1.42.
35A Regional factor:	
(a) If the product is installed in metropolitan Victoria:	0.85;
(b) If the product is installed in regional Victoria:	1.40.

**Part C—Time at which activity
undertaken and reduction in greenhouse
gas emissions occurs**

Sch. 35 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

- 35A At the beginning of the later of the following days—
- (a) the day on which the installation is completed; or
 - (b) the day on which the replaced trigger nozzle is decommissioned.

Sch. 36
inserted by
S.R. No.
24/2013 reg. 9.

Schedule 36—Water efficient prerinse spray valve

Regulation 6(3)(f) and (g)

Prescribed activity under regulation 6(3)(f) and (g): *Installing a prerinse spray valve that complies with the criteria specified in Part A of Schedule 36 on an existing fitting for a prerinse spray valve on which no prerinse spray valve was previously installed, or decommissioning a prerinse spray valve that is not rated as having a 4 star or higher water efficiency when assessed and labelled in accordance with AS/NZS 6400:2005 reissued in June 2011 and installing a prerinse spray valve that complies with the criteria specified in Part A of Schedule 36.*

Part A—Criteria

36A A prerinse spray valve that—

- (a) is rated as having a minimum 6 star water efficiency rating when assessed and labelled in accordance with AS/NZS 6400:2005 reissued in June 2011; and
- (b) has a cleanability score of 26 seconds or less when tested in accordance with ASTM F2324-03.

Part B—Calculation of carbon dioxide equivalents of greenhouse gases

The carbon dioxide equivalent (in tonnes) of greenhouse gases to be reduced by either—

- (a) installing a prerinse spray valve that complies with the criteria specified in Part A on an existing fitting for a prerinse spray valve on which no prerinse spray valve was previously installed; or

- (b) decommissioning a prerinse spray valve that is not rated as having a 4 star or higher water efficiency (when assessed and labelled in accordance with AS/NZS 6400:2005 reissued in June 2011) and installing a prerinse spray valve that complies with the criteria specified in Part A—

is calculated by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

The following are the abatement factors and regional factors for each item in Part A:

Item

36A Abatement factor: 2.99.

36A Regional factor:

- (a) If the product is installed in metropolitan Victoria: 0.85;
- (b) If the product is installed in regional Victoria: 1.40.

Part C—Time at which activity undertaken and reduction in greenhouse gas emissions occurs

Sch. 36 Pt C
(Heading)
substituted by
S.R. No.
96/2013 reg. 8.

Item

36A At the beginning of the later of the following days—

- (a) the day on which the installation is completed; or
- (b) the day on which the replaced prerinse spray valve (if any) is decommissioned.

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 37—Scheduled activity premises

Sch. 37
inserted by
S.R. No.
71/2017 reg. 9.

Schedule 37—Scheduled activity premises

Regulation 4

Part 1—Specified addresses

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Specified addresses</i>
1	1 Hume Road, LAVERTON NORTH, VIC, 3026
2	631 Kororoit Creek Road, ALTONA, VIC, 3018
3	606 Madeira Packet Road, PORTLAND, VIC, 3305
4	55 Commercial Road, MELBOURNE, VIC, 3004
5	1 Crosher Lane, WANGARATTA, VIC, 3677
6	1420 Ferntree Gully Road, SCORESBY, VIC, 3179
7	334C River Road, SWAN HILL, VIC, 3585
8	145 Studley Road, HEIDELBERG, VIC, 3084
9	330 Waterdale Road, HEIDELBERG WEST, VIC, 3081
10	Lot 1074 Boonoonar Road, COLIGNAN, VIC, 3494
11	65 Leakes Road, LAVERTON NORTH, VIC, 3026
12	17–19 Pipe Road, LAVERTON NORTH, VIC, 3026
13	10 Woolshed Gully Drive, MOUNT CLEAR, VIC, 3350
14	45–47 Mackey Street, NORTH GEELONG, VIC, 3215
15	272–322 Ryrie Street, GEELONG, VIC, 3220
16	159 Burgins Road, HAMILTON, VIC, 3300
17	5096 Murray Valley Highway, STRATHMERTON, VIC, 3641
18	28 Bayview Road, HASTINGS, VIC, 3915
19	351 Hammond Road, DANDENONG SOUTH, VIC, 3175
20	226 Lorimer Street, PORT MELBOURNE, VIC, 3207
21	676 Lorimer Street, PORT MELBOURNE, VIC, 3207
22	2 Trawalla Avenue, THOMASTOWN, VIC, 3074

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 37—Scheduled activity premises

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Specified addresses</i>
23	191 George Street, WANTIRNA SOUTH, VIC, 3152
24	170 Reservoir Road, WAURN PONDS, VIC, 3216
25	24 Queen Street, WODONGA, VIC, 3690
26	19–81 Sisely Avenue, WANGARATTA, VIC, 3677
27	47 Station Street, KORUMBURRA, VIC, 3950
28	183 Wattletree Road, MALVERN, VIC, 3144
29	55 Lemnos North Road, LEMNOS, VIC, 3631
30	425 Somerville Road, TOTTENHAM, VIC, 3012
31	380 Tramway Road, MORWELL, VIC, 3840
32	251 Myrtleford-Yackandandah Road, MYRTLEFORD, VIC, 3737
33	224 Yeungroon-Woosang Road, YEUNGROON EAST, VIC, 3525
34	246 East Boundary Road, BENTLEIGH EAST, VIC, 3165
35	20 Levanswell Road, MOORABBIN, VIC, 3189
36	1341 Dandenong Road, CHADSTONE, VIC, 3148
37	171 Fitzgerald Road, LAVERTON NORTH, VIC, 3026
38	1 Tristania Drive, COLAC, VIC, 3250
39	8 Whiteman Street, SOUTHBANK, VIC, 3006
40	1126 Sydney Road, FAWKNER, VIC, 3060
41	5 Portarlington Road, EAST GEELONG, VIC, 3220
42	189–209 Camp Road, BROADMEADOWS, VIC, 3047
43	45 Poplar Road, PARKVILLE, VIC, 3052
44	656 Mitcham Road, VERMONT, VIC, 3133
45	277 Whitehall Street, YARRAVILLE, VIC, 3013
46	95 Greens Road, DANDENONG SOUTH, VIC, 3175
47	36–80 Church Street, ABBOTSFORD, VIC, 3067
48	541–583 Kororoit Creek Road, ALTONA, VIC, 3018

Victorian Energy Efficiency Target Regulations 2008
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Schedule 37—Scheduled activity premises

<i>Column 1 Item</i>	<i>Column 2 Specified addresses</i>
49	13 Bridge Street, NEWTOWN, VIC, 3220
50	37–41 Gilbertson Road, LAVERTON NORTH, VIC, 3026
51	412 Commercial Road, MORWELL, VIC, 3840
52	285 Waarre Road, WAARRE, VIC, 3269
53	Lot 50E Eastern Road, YALLOURN, VIC, 3825
54	33–35 Cemetery Road, HASTINGS, VIC, 3915
55	514 Garretts Road, LONGFORD, VIC, 3851
56	127 Frankston-Dandenong Road, DANDENONG, VIC, 3175
57	129 Curdie Street, COBDEN, VIC, 3266
58	15 Factory Road, COROROOKE, VIC, 3254
59	150 Darnum Park Road, DARNUM, VIC, 3822
60	50 Drummond Street, DENNINGTON, VIC, 3280
61	20 Midland Highway, STANHOPE, VIC, 3623
62	22–30 Denmark Road, ECHUCA, VIC, 3564
63	1735 Sydney Road, CAMPBELLFIELD, VIC, 3061
64	365–455 Melbourne Road, NORLANE, VIC, 3214
65	121–171 Seabeach Parade, NORTH SHORE, VIC, 3214
66	25–33 Fourth Avenue, SUNSHINE, VIC, 3020
67	940 Koo Wee Rup Road, PAKENHAM, VIC, 3810
68	170 South Gippsland Highway, DANDENONG, VIC, 3175
69	64 Richards Road, CASTLEMAINE, VIC, 3450
70	1061 Mountain Highway, BORONIA, VIC, 3155
71	191 Salmon Street, PORT MELBOURNE, VIC, 3207
72	7 Factories Road, SOUTH GEELONG, VIC, 3220
73	20 Heaths Court, MILL PARK, VIC, 3082
74	120–200 Rosamond Road, MARIBYRNONG, VIC, 3032

Victorian Energy Efficiency Target Regulations 2008
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Schedule 37—Scheduled activity premises

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Specified addresses</i>
75	5331 Great Ocean Road, ALLANSFORD, VIC, 3277
76	2121 Finlay Road, TONGALA, VIC, 3621
77	504 Princes Highway, NOBLE PARK NORTH, VIC, 3174
78	74 Hazeldenes Road, LOCKWOOD, VIC, 3551
79	290 Oaklands Road, OAKLANDS JUNCTION, VIC, 3063
80	1 Lexia Place, MULGRAVE, VIC, 3170
81	77 Raglan Street, PRESTON, VIC, 3072
82	3610 Glenelg Highway, PITTONG, VIC, 3360
83	121 Grant Road, SOMERVILLE, VIC, 3912
84	1 Roberts Street, WEST FOOTSCRAY, VIC, 3012
85	30 Industry Park Drive, BROOKLYN, VIC, 3012
86	119 Racecourse Road, COBRAM, VIC, 3644
87	54 Cornelia Creek Road, ECHUCA, VIC, 3564
88	91–99 Ajax Road, ALTONA, VIC, 3018
89	323–351 Canterbury Road, RINGWOOD, VIC, 3134
90	32 Koornang Road, SCORESBY, VIC, 3179
91	162 Salmon Street, PORT MELBOURNE, VIC, 3207
92	2040 Hume Highway, CAMPBELLFIELD, VIC, 3061
93	8–10 Berends Drive, DANDENONG SOUTH, VIC, 3175
94	50 Baranduda Drive, BARANDUDA, VIC, 3691
95	150 Wells Road, CHELSEA HEIGHTS, VIC, 3196
96	1 National Road, MORWELL, VIC, 3840
97	32 Crowle Street, NORTH GEELONG, VIC, 3215
98	116 Ring Road, WENDOUREE, VIC, 3355
99	1 Petcare Place, WODONGA, VIC, 3690
100	1059 Ring Road, MITCHELL PARK, VIC, 3355

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 37—Scheduled activity premises

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Specified addresses</i>
101	300 Grattan Street, PARKVILLE, VIC, 3050
102	40 Simpson Road, CHRISTMAS HILLS, VIC, 3775
103	165 Swinton Street, DENNINGTON, VIC, 3280
104	24 Scott Street, WARRNAMBOOL, VIC, 3280
105	15–29 The Crescent, MILDURA, VIC, 3500
106	351–381 Millers Road, ALTONA NORTH, VIC, 3025
107	765 Ballarat Road, DEER PARK, VIC, 3023
108	900 Dandenong Road, CAULFIELD EAST, VIC, 3145
109	1–131 Wellington Road, CLAYTON, VIC, 3800
110	42 Benalla-Yarrawonga Road, BENALLA, VIC, 3672
111	90 Broadway Street, COBRAM, VIC, 3644
112	23 Commercial Road, KOROIT, VIC, 3282
113	18 Yarragon Road, LEONGATHA, VIC, 3953
114	6–10 Bundalaguah Road, MAFFRA, VIC, 3860
115	69–87 Mackay Street, ROCHESTER, VIC, 3561
116	19 Kiewa East Road, TANGAMBALANGA, VIC, 3691
117	11 Nicholson Street, CARLTON, VIC, 3053
118	122 Lewis Road, WANTIRNA SOUTH, VIC, 3152
119	1585 Hume Highway, CAMPBELLFIELD, VIC, 3061
120	254–294 Wellington Road, MULGRAVE, VIC, 3170
121	13 Talbot Road, WAHGUNYAH, VIC, 3687
122	209–235 Frankston-Dandenong Road, DANDENONG SOUTH, VIC, 3175
123	600 Craigieburn Road East, CRAIGIEBURN, VIC, 3064
124	103–105 Pipe Road, LAVERTON NORTH, VIC, 3026
125	207 Sunshine Road, TOTTENHAM, VIC, 3012
126	1–35 Walchs Road, NORTH SHORE, VIC, 3214

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<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Specified addresses</i>
127	166–180 Dohertys Road, LAVERTON NORTH, VIC, 3026
128	305 Waarre Road, WAARRE, VIC, 3269
129	93 Bannister Street, BENDIGO, VIC, 3550
130	842 Wellington Road, ROWVILLE, VIC, 3178
131	161–169 Princes Highway, BAIRNSDALE, VIC, 3875
132	21 Evans Street, BRAYBROOK, VIC, 3019
133	252 Chesterville Road, MOORABBIN, VIC, 3189
134	37–49 Browns Road, CLAYTON, VIC, 3168
135	100–102 Boundary Road, SUNSHINE WEST, VIC, 3020
136	14 McNaughton Road, CLAYTON, VIC, 3168
137	9–13 Rhur Street, DANDENONG SOUTH, VIC, 3175
138	471–513 Kororoit Creek Road, ALTONA, VIC, 3018
139	81–83 Fairbank Road, CLAYTON SOUTH, VIC, 3169
140	359 Bendigo-Tennyson Road, HUNTLY, VIC, 3551
141	46–50 McDonald Street, NUMURKAH, VIC, 3636
142	1555 Centre Road, CLAYTON, VIC, 3168
143	124 La Trobe Street, MELBOURNE, VIC, 3000
144	145 Fitzgerald Road, LAVERTON NORTH, VIC, 3026
145	70 Greg Norman Drive, POINT COOK, VIC, 3030
146	19 Ailsa Street, BOX HILL, VIC, 3128
147	2 Beverage Drive, TULLAMARINE, VIC, 3043
148	630 Howitt Street, BALLARAT, VIC, 3350
149	280 McIvor Highway, BENDIGO, VIC, 3550
150	90 Refinery Road, CORIO, VIC, 3214
151	870 McDonalds Track, LANG LANG, VIC, 3984
152	4 Melba Avenue, LILYDALE, VIC, 3140
153	2 Denmark Road, ECHUCA, VIC, 3564

Victorian Energy Efficiency Target Regulations 2008
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Schedule 37—Scheduled activity premises

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Specified addresses</i>
154	28–46 Bald Hill Road, PAKENHAM, VIC, 3810
155	147–161 Cherry Lane, LAVERTON NORTH, VIC, 3026
156	246 Clayton Road, CLAYTON, VIC, 3168
157	135 David Street, DANDENONG, VIC, 3175
158	600 Princes Highway, SPRINGVALE, VIC, 3171
159	85 McCormick Road, KYABRAM, VIC, 3620
160	16 Young Street, MOOROOPNA, VIC, 3629
161	Andrew Fairley Avenue, SHEPPARTON, VIC, 3630
162	41 Victoria Parade, FITZROY, VIC, 3065
163	32 South Wharf, PORT MELBOURNE, VIC, 3207
164	265 Whitehall Street, YARRAVILLE, VIC, 3013
165	11 Moloney Drive, WODONGA, VIC, 3690
166	238 Hogan Street, TATURA, VIC, 3616
167	1816–1822 Dandenong Road, CLAYTON, VIC, 3168
168	300 Exhibition Street, MELBOURNE, VIC, 3000
169	105 Dohertys Road, LAVERTON NORTH, VIC, 3026
170	110 Hopkins Road, FULHAM, VIC, 3851
171	50 Flemington Road, PARKVILLE, VIC, 3052
172	494 Grieve Parade, ALTONA NORTH, VIC, 3025
173	44 Johns Way, RED CLIFFS, VIC, 3496
174	5 Lipton Drive, THOMASTOWN, VIC, 3074
175	55 Park Street, TATURA, VIC, 3616
176	66 Ham Street, KANGAROO FLAT, VIC, 3555
177	1741 Sydney Road, CAMPBELLFIELD, VIC, 3061
178	448 Epsom Road, FLEMINGTON, VIC, 3031
179	38 Dohertys Road, LAVERTON NORTH, VIC, 3026
180	118 Hammond Road, DANDENONG, VIC, 3175
181	299 McKoy Street, WODONGA, VIC, 3690

Victorian Energy Efficiency Target Regulations 2008
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<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Specified addresses</i>
182	13 Reo Crescent, CAMPBELLFIELD, VIC, 3061
183	36–38 Charles Street, COBURG NORTH, VIC, 3058
184	22 Radford Road, RESERVOIR, VIC, 3073
185	160 Gordon Street, FOOTSCRAY, VIC, 3011
186	1239 Nepean Highway, CHELTENHAM, VIC, 3192
187	425 Burwood Highway, WANTIRNA SOUTH, VIC, 3152
188	54 Kelly Street, WODONGA, VIC, 3690

Part 2—Specified premises

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Specified premises</i>
1	The premises at which a glass packaging plant is situated and that are bounded by Raleigh Street, Hudsons Road, Simcock Avenue, and Booker Street in Spotswood
2	The premises at which a char plant is situated on Porters Road in Morwell
3	The premises at which an asphalt plant is situated on Riding Boundary Road in Ravenhall
4	The Melbourne University Campus located on Grattan Street in Carlton and Parkville
5	The La Trobe University Campus located on Centreway in Bundoora
6	The premises at which a shipping container terminal is situated on Mackenzie Road in West Melbourne
7	The premises at which a sewage treatment plant is situated on Alan Bird Drive in Bangholme
8	The premises at which a sewage treatment plant is situated on East Road in Cocoroc
9	The premises at which a gold mine is situated on McCormicks Road in Fosterville

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Schedule 37—Scheduled activity premises

<i>Column 1</i> <i>Item</i>	<i>Column 2</i> <i>Specified premises</i>
10	The premises at which a paper mill is situated on Traralgon West Road in Morwell
11	The Loy Yang Power Station located on Bartons Lane in Traralgon
12	The premises at which a gold mine is situated on Leviathan Road in Stawell
13	The premises located at the southwest corner of Henderson and Bosse Roads in Tongala
14	The premises located at the end of Janette Street in Traralgon
15	The premises at which a mineral sands mine is situated on Elliotts Road in Kanagulk

Endnotes

1 General information

See www.legislation.vic.gov.au for Victorian Bills, Acts and current authorised versions of legislation and up-to-date legislative information.

The Victorian Energy Efficiency Target Regulations 2008, S.R. No. 158/2008 were made on 11 December 2008 by the Governor in Council under section 75 of the **Victorian Energy Efficiency Target Act 2007**, No. 70/2007 and came into operation on 1 January 2009: regulation 3.

The Victorian Energy Efficiency Target Regulations 2008 will sunset 10 years after the day of making on 11 December 2018 (see section 5 of the **Subordinate Legislation Act 1994**).

INTERPRETATION OF LEGISLATION ACT 1984 (ILA)

Style changes

Section 54A of the ILA authorises the making of the style changes set out in Schedule 1 to that Act.

References to ILA s. 39B

Sidenotes which cite ILA s. 39B refer to section 39B of the ILA which provides that where an undivided regulation, rule or clause of a Schedule is amended by the insertion of one or more subregulations, subrules or subclauses the original regulation, rule or clause becomes subregulation, subrule or subclause (1) and is amended by the insertion of the expression "(1)" at the beginning of the original regulation, rule or clause.

Interpretation

As from 1 January 2001, amendments to section 36 of the ILA have the following effects:

- **Headings**

All headings included in a Statutory Rule which is made on or after 1 January 2001 form part of that Statutory Rule. Any heading inserted in a Statutory Rule which was made before 1 January 2001, by a Statutory Rule made on or after 1 January 2001, forms part of that Statutory Rule. This includes headings to Parts, Divisions or Subdivisions in a Schedule; Orders; Parts into which an Order is divided; clauses; regulations; rules; items; tables; columns; examples; diagrams; notes or forms. See section 36(1A)(2A)(2B).

- **Examples, diagrams or notes**

All examples, diagrams or notes included in a Statutory Rule which is made on or after 1 January 2001 form part of that Statutory Rule. Any examples, diagrams or notes inserted in a Statutory Rule which was made before 1 January 2001, by a Statutory Rule made on or after 1 January 2001, form part of that Statutory Rule. See section 36(3A).

- **Punctuation**

All punctuation included in a Statutory Rule which is made on or after 1 January 2001 forms part of that Statutory Rule. Any punctuation inserted in a Statutory Rule which was made before 1 January 2001, by a Statutory Rule made on or after 1 January 2001, forms part of that Statutory Rule. See section 36(3B).

- **Provision numbers**

All provision numbers included in a Statutory Rule form part of that Statutory Rule, whether inserted in the Statutory Rule before, on or after 1 January 2001. Provision numbers include regulation numbers, rule numbers, subregulation numbers, subrule numbers, paragraphs and subparagraphs. See section 36(3C).

- **Location of "legislative items"**

A "legislative item" is a penalty, an example or a note. As from 13 October 2004, a legislative item relating to a provision of a Statutory Rule is taken to be at the foot of that provision even if it is preceded or followed by another legislative item that relates to that provision. For example, if a penalty at the foot of a provision is followed by a note, both of these legislative items will be regarded as being at the foot of that provision. See section 36B.

- **Other material**

Any explanatory memorandum, table of provisions, endnotes, index and other material printed after the Endnotes does not form part of a Statutory Rule. See section 36(3)(3D)(3E).

Victorian Energy Efficiency Target Regulations 2008
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2 Table of Amendments

This publication incorporates amendments made to the Victorian Energy Efficiency Target Regulations 2008 by statutory rules, subordinate instruments and Acts.

Victorian Energy Efficiency Target Amendment (Assignment of Right)
Regulations 2010, S.R. No. 109/2010

Date of Making: 12.10.10

Date of Commencement: 14.10.10: reg. 3

Victorian Energy Efficiency Target Amendment Regulations 2010, S.R. No. 127/2010

Date of Making: 26.10.10

Date of Commencement: Regs 5, 6(1), 7–10, 12, 13 on 28.10.10: reg. 3(1);
regs 6(2), 11 on 1.7.11: reg. 3(2)

Victorian Energy Efficiency Target Amendment (Scheme Target) Regulations 2011,
S.R. No. 31/2011

Date of Making: 24.5.11

Date of Commencement: Reg. 6 on 31.5.11: reg. 3(1); reg. 5 on 1.1.12:
reg. 3(2)

Victorian Energy Efficiency Target Amendment (Ductwork and Standby Power
Controllers) Regulations 2011, S.R. No. 56/2011

Date of Making: 5.7.11

Date of Commencement: 5.7.11

Victorian Energy Efficiency Target Amendment (Prescribed Activities)
Regulations 2011, S.R. No. 146/2011

Date of Making: 6.12.11

Date of Commencement: Regs 5, 6(1), 7–25 on 7.12.11: reg. 3(1); reg. 6(2) on
1.1.12: reg. 3(2)

Victorian Energy Efficiency Target Amendment (Prescribed Activities)
Regulations 2012, S.R. No. 6/2012

Date of Making: 14.2.12

Date of Commencement: 14.2.12

Victorian Energy Efficiency Target Amendment (In-Home Displays)
Regulations 2012, S.R. No. 14/2012

Date of Making: 28.2.12

Date of Commencement: 1.3.12: reg. 3

Victorian Energy Efficiency Target Amendment (Further Prescribed Activities)
Regulations 2012, S.R. No. 32/2012

Date of Making: 15.5.12

Date of Commencement: 17.5.12: reg. 3

Victorian Energy Efficiency Target Amendment (Scheme Acquisitions)
Regulations 2012, S.R. No. 43/2012

Date of Making: 13.6.12

Date of Commencement: 1.7.12: reg. 3

Victorian Energy Efficiency Target Regulations 2008
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Victorian Energy Efficiency Target Amendment (Prescribed Activities)
Regulations 2013, S.R. No. 24/2013 (as amended by S.R. No. 96/2013)

Date of Making: 26.2.13
Date of Commencement: Regs 5–9 on 1.3.13: reg. 3(1); regs 10–14 on
19.4.13: reg. 3(2); regs 15–20 on 1.7.14: reg. 3(3)

Victorian Energy Efficiency Target Amendment (Relevant Entity and Other Matters)
Regulations 2013, S.R. No. 96/2013

Date of Making: 9.7.13
Date of Commencement: 10.7.13: reg. 3

Victorian Energy Efficiency Target Amendment Regulations 2014, S.R. No. 74/2014

Date of Making: 24.6.14
Date of Commencement: 30.6.14: reg. 3

Victorian Energy Efficiency Target Amendment Regulations 2015, S.R. No. 167/2015

Date of Making: 22.12.15
Date of Commencement: Regs 5–16 on 1.1.16: reg. 3(1); reg. 17 on 1.2.16:
reg. 3(2); reg. 18 on 1.3.16: reg. 3(3)

Victorian Energy Efficiency Target Amendment (Ceiling Insulation and Incandescent
Lighting) Regulations 2016, S.R. No. 16/2016

Date of Making: 22.3.16
Date of Commencement: 4.4.16: reg. 3

Victorian Energy Efficiency Target Amendment (High Efficiency Televisions)
Regulations 2016, S.R. No. 147/2016

Date of Making: 13.12.16
Date of Commencement: 1.1.17: reg. 3

Victorian Energy Efficiency Target (Project-Based Activities) Regulations 2017,
S.R. No. 46/2017

Date of Making: 14.6.17
Date of Commencement: Regs 20–22 on 19.6.17: reg. 3

Victorian Energy Efficiency Target Amendment (Weather Sealing) Regulations 2017,
S.R. No. 52/2017

Date of Making: 20.6.17
Date of Commencement: 1.7.17: reg. 3

Victorian Energy Efficiency Target Amendment (Scheme Acquisition and Creation of
Certificates) Regulations 2017, S.R. No. 71/2017

Date of Making: 11.7.17
Date of Commencement: 1.8.17: reg. 3

3 Amendments Not in Operation

There are no amendments which were Not in Operation at the date of this publication.

4 Explanatory details

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 158/2008 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2004.

Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
regulation 4	AS 4234—1994 Solar water heaters— Domestic and heat pump— Calculation of energy consumption	The whole
regulation 4	Building Code of Australia	meaning of <i>glazing</i> as defined in Part 1.1 and as used in Part 2.6
regulation 6(k)	AS 3999—1992 Thermal insulation of dwellings—Bulk insulation— Installation requirements	The whole
regulation 6(l)	AS 3999—1992 Thermal insulation of dwellings—Bulk insulation— Installation requirements	The whole
regulation 6(o)	Building Code of Australia	Part 3.8.5
regulation 6(q)	AS/NZS 6400:2005 Water efficient products— Rating and labelling	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 1	AS 4234—1994 Solar water heaters— Domestic and heat pump— Calculation of energy consumption	The whole as modified by Schedule 1, Part A
Schedule 1	AS 4552/AG 102—2000 Gas Water Heaters	The whole
Schedule 1	AS 4552—2005 Gas fired water heaters for hot water supply and/or central heating	The whole
Schedule 1, Part A	AS/NZS 2712:2007 Solar and heat pump water heaters—Design and construction	The whole
Schedule 2, Part A	AS/NZS 2712:2007 Solar and heat pump water heaters—Design and construction	The whole
Schedule 2, Part A	AS 4234—1994 Solar water heaters— Domestic and heat pump— Calculation of energy consumption	The whole as modified by Schedule 2 Part A
Schedule 2, Part A	<i>Guidelines to calculate annual solar energy savings for domestic solar water heaters produced by adding a Retrofit Kit (collectors and pump) to an existing tank, Version 5.1 October 2008, Sustainability Victoria</i>	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 3, Part A	AS/NZS 2712:2007 Solar and heat pump water heaters—Design and construction	The whole
Schedule 3	AS 4234—1994 Solar water heaters— Domestic and heat pump— Calculation of energy consumption	The whole as modified by Schedule 3, Part A
Schedule 4, Part A	AS/NZS 2712:2007 Solar and heat pump water heaters—Design and construction	The whole
Schedule 4	AS 4234—1994 Solar water heaters— Domestic and heat pump— Calculation of energy consumption	The whole as modified by Schedule 4, Part A
Schedule 4	<i>Guidelines to calculate annual solar energy savings for domestic solar water heaters produced by adding a solar preheater to an existing gas hot water system, Version 2.3 October 2008</i> , Sustainability Victoria	The whole
Schedule 5	AS 4556—2000 (AG 106—2000) Indirect gas-fired ducted air-heaters	The whole
Schedule 6	AS 4556—2000 (AG 106—2000) Indirect gas-fired ducted air-heaters	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 7	AS/NZS 3823.1.2:2001 Performance of electrical appliances—Airconditioners and heat pumps—Test methods—Ducted airconditioners and air-to-air heat pumps—Testing and rating for performance	The whole
Schedule 7, Part A	AS/NZS 3823.2:2005 Performance of electrical appliances—Airconditioners and heat pumps—Energy labelling and minimum energy performance standard (MEPS) requirements	The whole
Schedule 7, Part A	AS/NZS 3823.3:2002 Performance of electrical appliances—Airconditioners and heat pumps—Performance of electrical appliances—Airconditioners and heat pumps (MEPS)	The whole
Schedule 8	AS/NZS 3823.1.2:2001 Performance of electrical appliances—Airconditioners and heat pumps—Test methods—Ducted airconditioners and air-to-air heat pumps—Testing and rating for performance	The whole
Schedule 8, Part A	AS/NZS 3823.2:2005 Performance of electrical appliances—Airconditioners and heat pumps—Energy labelling and minimum energy performance standard (MEPS) requirements	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 8, Part A	AS/NZS 3823.3:2002 Performance of electrical appliances—Airconditioners and heat pumps—Performance of electrical appliances—Airconditioners and heat pumps (MEPS)	The whole
Schedule 9	AS 4553—2000 (AG 103—2000) Gas space heating appliances	The whole
Schedule 9	AS 4553—2008 Gas space heating appliances	The whole
Schedule 10, Part A	AS/NZS 3823.2:2005 Performance of electrical appliances—Airconditioners and heat pumps—Energy labelling and minimum energy performance standard (MEPS) requirements	The whole
Schedule 10	AS/NZS 3823.1.1:1998 Performance of electrical appliances—Airconditioners and heat pumps—Test methods—Ducted airconditioners and air-to-air heat pumps—Testing and rating for performance	The whole
Schedule 11	AS/NZS 4859.1:2002 Materials for the thermal insulation of buildings—General criteria and technical provisions	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 12	AS/NZS 4859.1:2002 Materials for the thermal insulation of buildings— General criteria and technical provisions	The whole
Schedule 13	AS 2047—1999 Windows in buildings— Selection and installation	The whole
Schedule 13	AS 1288—2006 Glass in buildings—Selection and installation	The whole
Schedule 18	AS/NZS 4474.1:1997 Performance of household electrical appliances— Refrigerating appliances— Energy consumption and performance	The whole
Schedule 18	AS/NZS 4474.1:2007 Performance of household electrical appliances— Refrigerating appliances— Energy consumption and performance	The whole
Schedule 18	AS/NZS 4474.2:2001 Performance of household electrical appliances— Refrigerating appliances— Energy labelling and minimum energy standard requirements	The whole

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Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 127/2010 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2004.

In this table, Principal Regulations means the Victorian Energy Efficiency Target Regulations 2008.

[illegible]

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
	IEC/TR 61341 Method of measurement of centre beam intensity and beam angle(s) of reflector lamps Edition 2.0 2010-02. Published by the International Electrotechnical Commission on 18 February 2010.	The whole
Regulation 13 which inserts new Schedule 22 in the Principal Regulations	<p>AS/NZS 4474.1:1997 Performance of household electrical appliances— Refrigerating appliances— Part 1: Energy consumption and performance published by Standards Australia/Standards New Zealand on 5 May 1997 and reissued December 2004 incorporating Amendments Nos 1, 2 and 3.</p> <p>AS/NZS 4474.1:2007 Performance of household electrical appliances— Refrigerating appliances— Part 1: Energy consumption and performance 2nd Edition published by Standards Australia/Standards New Zealand on 15 August 2007 and reissued October 2008 incorporating amendment No. 1.</p>	<p>The whole</p> <p>The whole</p>

Victorian Energy Efficiency Target Regulations 2008
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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
	AS/NZS 4474.2:2009 Performance of household electrical appliances— Refrigerating appliances Part 2: Energy labelling and minimum energy performance standard requirements 4th Edition published by Standards Australia/Standards New Zealand on 8 April 2009.	The whole
Regulation 13 which inserts new Schedule 23 in the Principal Regulations	AS 2913–2000 Evaporative airconditioning equipment 2nd Edition published by Standards Australia on 19 July 2000.	The whole
Regulation 13 which inserts new Schedule 24 in the Principal Regulations	AS/NZS 62087.2.2:2010 Power consumption of audio, video and related equipment— Part 2.2: Minimum energy performance standards (MEPS) and energy rating label requirements for television sets 2nd Edition published by Standards Australia/Standards New Zealand on 22 February 2010.	The whole

Victorian Energy Efficiency Target Regulations 2008
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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 13 which inserts new Schedule 25 in the Principal Regulations	AS/NZS 2442.1:1996 Performance of household electrical appliances—Rotary clothes dryers—Part 1: Energy consumption and performance published by Standards Australia/Standards New Zealand on 5 March 1996 and reissued September 2006 incorporating Amendments Nos 1, 2, 3 and 4.	The whole
	AS/NZS 2442.2:2000 Performance of household electrical appliances—Rotary clothes dryers—Part 2: Energy labelling requirements published by Standards Australia/Standards New Zealand on 31 March 2000 and reissued incorporating Amendment Nos 1 and 2 in April 2007.	The whole
	AS 4554–2005 Gas laundry dryers published by Standards Australia on 19 December 2005.	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 13 which inserts new Schedule 26 in the Principal Regulations	Voluntary Energy Rating Labelling Program for Swimming Pool Pump-units: Rules for Participation, April 2010, published by the Equipment Energy Efficiency (E3) Committee.	The whole
	AS 5102.1–2009 Performance of household electrical appliances— Swimming pool pump-units— Part 1: Energy consumption and performance published by Standards Australia on 21 December 2009.	The whole
	AS 5102.2–2009 Performance of household electrical appliances— Swimming pool pump-units— Part 2: Energy labelling and minimum energy performance standard requirements published by Standards Australia on 21 December 2009.	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 56/2011 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2004.

In this table, *Principal Regulations* means the Victorian Energy Efficiency Target Regulations 2008.

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 7 which inserts new Schedule 28 in the Principal Regulations	Australian Standard "Ductwork for air-handling systems in buildings" AS 4254–2002 published by Standards Australia on 5 April 2002 and reissued incorporating Amendment Nos 1 and 2 in October 2004.	The whole
	Australian/New Zealand Standard "Materials for the thermal insulation of buildings—Part 1: General criteria and technical provisions" AS/NZS 4859.1:2002 published by Standards Australia/Standards New Zealand on 15 October 2002 and reissued incorporating Amendment No. 1 in December 2006.	The whole
	Building Code of Australia	Table 3.12.5.2

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Endnotes

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 146/2011 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2004.

Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 8 which inserts new regulation 6AA(g) into the Principal Regulations	Australian/New Zealand Standard 6400:2005 Water efficient products - Rating and labelling	The whole
Regulation 18 which amends Schedule 5 of the Principal Regulations	Australian Standard 4556—2011 Indirect gas-fired ducted air heaters	The whole

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Endnotes

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 6/2012 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2004.

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 which substitutes new regulation 6(1)(k) and (2)(a) into the Principal Regulations	AS 3999:1992 Thermal insulation of dwellings—Bulk insulation—Installation requirements published by Standards Australia on 16 April 1992.	The whole
Regulation 5 which substitutes new regulation 6(1)(n) into the Principal Regulations	AS/NZS 6400:2005 Water efficient products—Rating and labelling published by Standards Australia/Standards New Zealand on 1 June 2005 and reissued December 2006 incorporating Amendments Nos 1, 2 and 3.	The whole
Regulation 5 which substitutes new regulation 6(2)(b) into the Principal Regulations	The 2008 edition of the Building Code of Australia comprising— (a) Volume One of the Australian Building Codes Board Series including any variations or additions in the Appendix Victoria set out in the Appendices to that Volume; and (b) Volume Two of the Australian Building Codes Board Series including any Victorian additions set out in Appendix A of that Volume.	Part 3.8.5

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Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 14/2012 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2004.

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 which inserts new definition of <i>AMI metering installation</i> into the Principal Regulations	Minimum Functionality Specification (Victoria) Release 1.1, published by the Department of Primary Industries in September 2008	The whole
Regulation 7 which inserts new Schedule 30 into the Principal Regulations	ZigBee Smart Energy Profile Specification published by the ZigBee Standards Organisation on 1 December 2008	The whole
Regulation 7 which inserts new Schedule 30 into the Principal Regulations	ZigBee Smart Energy Profile Specification version 1.1 published by the ZigBee Standards Organisation on 23 March 2011	The whole

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S.R. No. 158/2008
Endnotes

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 32/2012 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2004.

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 which amends regulation 4 of the Principal Regulations	IEC 60034-2-1 Rotating electrical machines - Part 2.1: Standard method for determining losses and efficiency from tests (excluding machines for traction vehicles) published by the International Electrotechnical Commission on 10 September 2007.	The whole
Regulation 5 which amends regulation 4 of the Principal Regulations	IEC/TS 60034-31 Rotating electrical machines - Part 31: Selection of energy-efficient motors including variable speed applications - Application guide published by the International Electrotechnical Commission on 26 April 2010.	The whole
Regulation 6(1) and (2) which inserts new regulation 6(1)(k) and (2)(a) into the Principal Regulations	Amendment No. 1 to AS 3999—1992 Thermal insulation of dwellings—Bulk insulation—Installation requirements published by Standards Australia on 9 March 2012.	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
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Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 6(4) and (5) which inserts new regulation 6(2)(d) and (3)(d) into the Principal Regulations	The 2008 edition of the Building Code of Australia comprising— (a) Volume One of the Australian Building Codes Board Series including any variations or additions in the Appendix Victoria set out in the Appendices to that Volume; and (b) Volume Two of the Australian Building Codes Board Series including any Victorian additions set out in Appendix A of that Volume.	Part A3
Regulation 38 which inserts new Schedule 32 into the Principal Regulations	Australian Standard 1731.14-2003 Refrigerated display cabinets - Part 14: Minimum energy performance standard (MEPS) requirements published by Standards Australia on 1 October 2003 and reissued December 2005 incorporating Amendment No. 1.	The whole
Regulation 38 which inserts new Schedule 32 into the Principal Regulations	Australian Standard 1731.9-2003 Refrigerated display cabinets - Part 9: Electrical energy consumption test published by Standards Australia on 1 October 2003 and reissued December 2005 incorporating Amendment No. 1.	The whole

Victorian Energy Efficiency Target Regulations 2008
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Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 38 which inserts new Schedule 32 into the Principal Regulations	Australian Standard 1731.12-2003 Refrigerated display cabinets - Part 12: Measurement of the heat extraction rate of the cabinets when the condensing unit is remote from the cabinet published by Standards Australia on 1 October 2003 and reissued December 2005 incorporating Amendment No. 1.	The whole
Regulation 10 which inserts new regulation 10(2), and regulation 38 which inserts new Schedule 34 into the Principal Regulations	Australian/ New Zealand Standard 1680.0:2009 Interior lighting - Part 0: Safe movement published by Standards Australia/Standards New Zealand on 15 December 2009.	The whole
Regulation 10 which inserts new regulation 10(2), and regulation 38 which inserts new Schedule 34 into the Principal Regulations	Australian/ New Zealand Standard 1680.1:2006 Interior and workplace lighting - Part 1: General principles and recommendations published by Standards Australia/Standards New Zealand on 21 February 2006.	Table 3.1

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Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 38 which inserts new Schedule 34 into the Principal Regulations	Australian/New Zealand Standard 4783.2:2002 Performance of electrical lighting equipment - Ballasts for fluorescent lamps - Part 2: Energy labelling and minimum energy performance standards requirements published by Standards Australia/Standards New Zealand on 23 December 2002.	The whole
Regulation 38 which inserts new Schedule 34 into the Principal Regulations	The 2011 edition of the Building Code of Australia comprising— (a) Volume One of the Australian Building Codes Board Series including any variations or additions in the Appendix Victoria set out in the Appendices to that Volume; and (b) Volume Two of the Australian Building Codes Board Series including any Victorian additions set out in Appendix A of that Volume.	Part J6
Regulation 38 which inserts new Schedule 34 into the Principal Regulations	The 2012 edition of the Building Code of Australia comprising— (a) Volume One of the Australian Building Codes Board Series including any variations or additions in the Appendix Victoria set out in the Appendices to that Volume; and	Part J6

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Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
	(b) Volume Two of the Australian Building Codes Board Series including any Victorian additions set out in Appendix A of that Volume.	

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 24/2013 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2004.

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 6(6) which inserts regulation 6(3)(g) into the Principal Regulations, and regulation 9 which inserts Schedule 36 into the Principal Regulations	Australian/New Zealand Standard 6400:2005 Water efficient products - Rating and labelling. Published by Standards Australia/Standards New Zealand on 1 June 2005 and reissued June 2011 incorporating Amendments Nos 1, 2, 3, 4 and 5	The whole
Regulation 5 which amends regulation 4 of the Principal Regulations and regulation 9 which inserts Schedule 36 into the Principal Regulations	ASTM F2324-03(2009) Standard Test Method for Prerinse Spray Valves. Published by ASTM International in 2009	The whole

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Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 10 which amends regulation 4 of the Principal Regulations	Australian Standard 4234—1994 Solar Water Heaters - Domestic and heat pump - Calculation of energy consumption. Published by Standards Australia on 22 August 1994	The whole
Regulations 10 and 15 which amend regulation 4 of the Principal Regulations and regulations 11 to 14 which amend Schedules 1 to 4 of the Principal Regulations	Australian/New Zealand Standard 4234:2008 Heated water systems—Calculation of energy consumption. Published by Standards Australia/Standards New Zealand on 21 August 2008 and reissued November 2011 incorporating Amendments Nos 1 and 2	The whole
Regulations 11 to 14 which amend Schedules 1 to 4 of the Principal Regulations	Australian/New Zealand Standard 2712:2007 Solar and heat pump water heaters—Design and construction. Published by Standards Australia/Standards New Zealand on 12 September 2007 and reissued November 2011 incorporating Amendments Nos 1 and 2	The whole
Regulation 12 which amends Schedule 2 to the Principal Regulations	Sustainability Victoria Guidelines to calculate annual solar energy savings for domestic solar water heaters produced by adding a Retrofit Kit (collectors and pump) to an existing tank (version 6.0 updated June 2011). Published by Sustainability Victoria in June 2011	The whole

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Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 14 which amends Schedule 4 to the Principal Regulations	Sustainability Victoria Guidelines to calculate annual solar energy savings for domestic solar water heaters produced by adding a solar preheater to an existing gas hot water system, Version 3.0 June 2011. Published by Sustainability Victoria in June 2011	The whole

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 167/2015 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2014.

In this table, Principal Regulations means the Victorian Energy Efficiency Target Regulations 2008.

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5 which inserts a definition of <i>three-phase cage induction motor</i> in regulation 4 of the Principal Regulations	Australian/New Zealand Standard 1359.5:2004 Rotating electrical machines—General requirements Part 5: Three-phase cage induction motors—High efficiency and minimum energy performance standards requirements, 2 nd edition, published by Standards Australia and Standards New Zealand on 6 September 2004.	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 9 which amends Schedule 7 to the Principal Regulations, regulation 10 which amends Schedule 8 to the Principal Regulations, and regulation 12 which amends Schedule 10 to the Principal Regulations	Australian/New Zealand Standard 3823.2:2013 Performance of electrical appliances—Air conditioners and heat pumps Part 2: Energy labelling and minimum energy performance standards (MEPS) requirements, 8 th edition, published by Standards Australia and Standards New Zealand on 23 May 2013	The whole
Regulation 9 which amends Schedule 7 to the Principal Regulations, regulation 10 which amends Schedule 8 to the Principal Regulations, and regulation 12 which amends Schedule 10 to the Principal Regulations	Australian/New Zealand Standard 3823.1.2:2012 Performance of electrical appliances—Airconditioners and heat pumps Part 1.2: Ducted airconditioners and air-to-air heat pumps—Testing and rating for performance (ISO 13253:2011, MOD), 2 nd edition, published by Standards Australia and Standards New Zealand on 11 May 2012	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 12 which amends Schedule 10 to the Principal Regulations	Australian/New Zealand Standard 3823.1.1:2012 Performance of electrical appliances—Airconditioners and heat pumps Part 1.1: Non-ducted airconditioners and heat pumps—Testing and rating for performance (ISO 5151:2010, MOD), 2 nd edition, published by Standards Australia and Standards New Zealand on 11 May 2012	The whole
Regulation 13 which amends Schedule 31 to the Principal Regulations	Australian Standard 60034.1—2009 Rotating electrical machines Part 1: Rating and performance (IEC 60034-1, Ed. 11(2004) MOD), published by Standards Australia on 15 July 2009	The whole
Regulation 13 which amends Schedule 31 to the Principal Regulations	International Electrotechnical Commission Technical Specification 60034-31 Rotating electrical machines - Part 31: Selection of energy-efficient motors including variable speed applications - Application guide, published by the International Electrotechnical Commission on 26 April 2010	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 13 which amends Schedule 31 to the Principal Regulations	International Electrotechnical Commission International Standard 60034-2-1 Rotating electrical machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles), published by the International Electrotechnical Commission on 10 September 2007	The whole
Regulation 14 which amends Schedule 32 to the Principal Regulations	Australian Standard 1731.14—2003 Refrigerated display cabinets Part 14: Minimum energy performance standard (MEPS) requirements, published by Standards Australia on 1 October 2003 and reissued December 2005 incorporating Amendment No. 1 and July 2012 incorporating Amendment No. 2	The whole
Regulation 14 which amends Schedule 32 to the Principal Regulations	Australian Standard 1731.9—2003 Refrigerated display cabinets Part 9: Electrical energy consumption test, 2 nd edition, published by Standards Australia on 1 October 2003 and reissued December 2005 incorporating Amendment No. 1	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 14 which amends Schedule 32 to the Principal Regulations	Australian Standard 1731.12—2003 Refrigerated display cabinets Part 12: Measurement of the heat extraction rate of the cabinets when the condensing unit is remote from the cabinet, 2 nd edition, published by Standards Australia on 1 October 2003 and reissued December 2005 incorporating Amendment No. 1	The whole
Regulation 16 which amends Schedule 34 to the Principal Regulations	The Building Code of Australia comprising— (a) Volume One of the Australian Building Codes Board Series including any variations or additions in the Appendix Victoria set out in the Appendices to that Volume; and (b) Volume Two of the Australian Building Codes Board Series including any Victorian additions set out in Appendix A of that Volume	Part A3 and Part J6

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 17 which amends Schedule 21 to the Principal Regulations	Australian//New Zealand Standard 4847.2:2010 Self ballasted lamps for general lighting services Part 2: Minimum Energy Performance Standards (MEPS) requirements, 2nd Edition published by Standards Australia and Standards New Zealand on 21 May 2010 and reissued December 2011 incorporating Amendment No. 1	The whole
Regulation 17 which amends Schedule 21 to the Principal Regulations	International Electrotechnical Commission Technical Report 61341 Method of measurement of centre beam intensity and beam angle(s) of reflector lamps, Edition 2.0, published by the International Electrotechnical Commission on 18 February 2010	The whole
Regulation 18 which amends Schedule 21 to the Principal Regulations	Australian/New Zealand Standard 4847.2:2010 Self ballasted lamps for general lighting services Part 2: Minimum Energy Performance Standards (MEPS) requirements, 2nd Edition published by Standards Australia and Standards New Zealand on 21 May 2010 and reissued December 2011 incorporating Amendment No. 1	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 18 which amends Schedule 21 to the Principal Regulations	International Electrotechnical Commission Technical Report 61341 Method of measurement of centre beam intensity and beam angle(s) of reflector lamps, Edition 2.0, published by the International Electrotechnical Commission on 18 February 2010	The whole

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 16/2016 accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2014.

In this table, *Principal Regulations* means the Victorian Energy Efficiency Target Regulations 2008.

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 5, which amends regulation 6(2)(a) of the Principal Regulations, and regulation 6 which amends Schedule 11 to the Principal Regulations.	AS 3999:2015 Bulk thermal insulation— Installation, published by Standards Australia on 23 July 2015	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 6, which amends Schedule 11 to the Principal Regulations.	AS/NZS 4859.1:2002 Materials for the thermal insulation of buildings— Part 1: General criteria and technical provisions, published by Standards Australia/Standards New Zealand on 15 October 2002 and reissued in December 2006 incorporating Amendment No. 1	The whole
Regulation 7, which amends Schedule 21 to the Principal Regulations.	AS/NZS 4847.2:2010 Self ballasted lamps for general lighting services— Part 2: Minimum Energy Performance Standards (MEPS) requirements, 2nd Edition, published by Standards Australia/Standards New Zealand on 21 May 2010 and reissued December 2011 incorporating Amendment No. 1	The whole
Regulation 7, which amends Schedule 21 to the Principal Regulations.	International Electrotechnical Commission Technical Report 61341 Method of measurement of centre beam intensity and beam angle(s) of reflector lamps, Edition 2.0, published by the International Electrotechnical Commission on 18 February 2010	The whole

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 147/2016 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2014.

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 4 which amends Schedule 24 to the Victorian Energy Efficiency Target Regulations 2008	AS/NZS 62087.2.2:2011 Power consumption of audio, video and related equipment—Part 2.2: Minimum energy performance standards (MEPS) and energy rating label requirements for television sets, 3rd Edition published by Standards Australia/Standards New Zealand on 26 October 2011 and reissued June 2012 incorporating Amendment No. 1 and December 2012 incorporating Amendment No. 2	The whole

Table of Applied, Adopted or Incorporated Matter

The following table of applied, adopted or incorporated matter was included in S.R. No. 52/2017 in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2014.

In this table, Principal Regulations means the Victorian Energy Efficiency Target Regulations 2008.

Victorian Energy Efficiency Target Regulations 2008
S.R. No. 158/2008
Endnotes

Statutory rule provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 6 which substitutes regulation 6(2)(b) of the Principal Regulations	The Building Code of Australia comprising— (a) Volume One of the Australian Building Codes Board Series including any variations or additions in the Appendix Victoria set out in the Appendices to that Volume; and (b) Volume Two of the Australian Building Codes Board Series including any Victorian additions set out in Appendix A of that Volume	Part 3.8.5
Regulation 9 which substitutes Schedule 15 to the Principal Regulations	The Building Code of Australia comprising— (a) Volume One of the Australian Building Codes Board Series including any variations or additions in the Appendix Victoria set out in the Appendices to that Volume; and	Part 3.8.5
	(b) Volume Two of the Australian Building Codes Board Series including any Victorian additions set out in Appendix A of that Volume	