

**Authorised Version No. 006**  
**Victorian Energy Efficiency Target**  
**Regulations 2008**

**S.R. No. 158/2008**

Authorised Version incorporating amendments as at  
5 July 2011

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5 July 2011

**PART 1—PRELIMINARY**

**1 Objectives**

The objectives of these Regulations are to prescribe—

- (a) activities carried out in residential premises 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.

**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;

**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;

**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;

**$B_e$**  means the annual electrical energy used by those parts of a solar or heat pump water heater system that use purchased electrical energy, other than resistive heating units or heat pump package (compressor and integral controls, pumps and fans) (MJ/Yr) determined as part of the performance evaluation process in AS 4234—1994;

**$B_s$**  means the annual supplementary purchased gas or electrical energy used by a solar or heat pump water heater to directly heat the water by a gas burner, electrical resistive heating unit and/or heat pump package (compressor and integral controls, pumps and fans)

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

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



(MJ/Yr) determined as part of the performance evaluation process in AS 4234—1994;

**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;

**Data Table** means the Table in Schedule 27;

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

**decommission** means disable and render permanently unusable;

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

\* \* \* \* \*

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;

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

Reg. 4 def. of  
*install*  
amended by  
S.R. No.  
127/2010  
reg. 5(4).

***install***—

- (a) includes modify or replace; and
- (b) in relation to a prescribed activity specified in regulation 6(r) or (v), 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(x), means the purchase of a high efficiency 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(y), means the purchase of a stand alone electric

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

***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.

***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;

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

***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;

***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;

***R-value*** means the thermal resistance ( $\text{m}^2\text{K}/\text{W}$ ) 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;

***residential customer***, in relation to a relevant entity, means a person who purchases electricity or gas principally for personal, household or domestic use;

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

***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 *Sleep Mode* inserted by S.R. No. 56/2011 reg. 4.

***Total U-Value*** means the thermal transmittance (W/m<sup>2</sup>K) of the composite element allowing for the effect of any airspace and associated surface resistances;

***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 residential premises to the inside but does not include a louvred product.

## 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.

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**PART 2—PRESCRIBED ACTIVITIES**

**6 Prescribed activities for which certificates may be created**

The following activities undertaken in residential premises are prescribed for the purposes of section 15 of the Act—

- (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 100m<sup>2</sup> and installing a product that complies with the criteria specified in Part A of Schedule 6;
- (g) if the residential premises are in a non-gas reticulated area, decommissioning a ducted air to air heat pump and installing a product that complies with the criteria specified in Part A of Schedule 7;

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- (h) if the residential premises are in a non-gas reticulated area, decommissioning a central electric resistance heater that provides heating to a space with a floor area of at least  $100\text{m}^2$  and installing a product that complies with the criteria specified in Part A of Schedule 8;
  - (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) if the residential premises are in a non-gas reticulated area, installing a space air to air heat pump that complies with the criteria specified in Part A of Schedule 10;
  - (k) installing a product in accordance with AS 3999—1992 in a ceiling area not previously insulated for a minimum area of  $20\text{m}^2$ , being a product that complies with the criteria specified in Part A of Schedule 11;
  - (l) installing a product as under floor insulation in accordance with AS 3999—1992 in respect of a floor area not previously insulated for a minimum area of  $20\text{m}^2$ , being a product that complies with the criteria specified in Part A of Schedule 12;
  - (m) installing, in place of one or more windows in an external wall, at least  $5\text{m}^2$  of glazing or glazed product that complies with the criteria specified in Part A of Schedule 13;
  - (n) installing on one or more single glazed windows in an external wall for a minimum glazing area of  $5\text{m}^2$ , a product that complies with the criteria specified in Part A of Schedule 14;

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- (o) in the same residential premises, undertaking any one or more of the following activities to restrict the airflow into or out of the premises (not being an activity, or two or more activities that together, result in the premises failing to receive natural air changes at a rate of at least 0.5 per hour or to comply with the minimum ventilation requirements of Part 3.8.5 of the Building Code)—
- (i) installing a product that complies with the criteria specified in item 15A in Part A of Schedule 15 to the frame of, or each edge of, an external door or to the frame and each edge of an external door;
  - (ii) installing a product that complies with the criteria specified in item 15B in Part A of Schedule 15 to the frame of an external window;
  - (iii) removing a ceiling or wall exhaust fan and decommissioning it and installing a ceiling or wall exhaust fan that complies with the criteria specified in item 15C in Part A of Schedule 15;
  - (iv) installing on an exhaust fan a product that complies with the criteria in item 15D in Part A of Schedule 15;
  - (v) permanently sealing or closing ventilation openings in an external wall with material that complies with the criteria specified in item 15E in Part A of Schedule 15;



(vi) installing a product that complies with the criteria specified in item 15F in Part A of Schedule 15 to a chimney or flue of an open solid fuel burning appliance;

\* \* \* \* \*

Reg. 6(p)  
revoked by  
S.R. No.  
127/2010  
reg. 6(2).

(q) 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) and installing a low flow shower rose that complies with the criteria specified in Part A of Schedule 17;

\* \* \* \* \*

Reg. 6(r)  
revoked by  
S.R. No.  
127/2010  
reg. 6(2).

(s) removing from the residential 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(s)  
amended by  
S.R. No.  
127/2010  
reg. 6(1)(a).

(t) installing a high efficiency ducted gas heater in new residential premises that complies with the criteria specified in Part A of Schedule 20;

Reg. 6(t)  
inserted by  
S.R. No.  
127/2010  
reg. 6(1)(b).

(u) 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;

Reg. 6(u)  
inserted by  
S.R. No.  
127/2010  
reg. 6(1)(b).

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Part 2—Prescribed Activities

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Reg. 6(v)  
inserted by  
S.R. No.  
127/2010  
reg. 6(1)(b).

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

Reg. 6(w)  
inserted by  
S.R. No.  
127/2010  
reg. 6(1)(b).

- (w) decommissioning a refrigerative air conditioner for one or more main living areas (but not a bedroom) whether or not ducted and installing a ducted evaporative cooler that complies with the criteria specified in Part A of Schedule 23;

Reg. 6(x)  
inserted by  
S.R. No.  
127/2010  
reg. 6(1)(b).

- (x) installing a high efficiency television that complies with the criteria specified in Part A of Schedule 24;

Reg. 6(y)  
inserted by  
S.R. No.  
127/2010  
reg. 6(1)(b).

- (y) installing an energy efficient (low greenhouse intensity) clothes dryer that complies with the criteria specified in Part A of Schedule 25;

Reg. 6(z)  
inserted by  
S.R. No.  
127/2010  
reg. 6(1)(b),  
amended by  
S.R. No.  
56/2011  
reg. 5(1).

- (z) installing a high efficiency pool pump that complies with the criteria specified in Part A of Schedule 26;

Reg. 6(za)  
inserted by  
S.R. No.  
56/2011  
reg. 5(2).

- (za) decommissioning existing 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;

Reg. 6(zb)  
inserted by  
S.R. No.  
56/2011  
reg. 5(2).

- (zb) installing a standby power controller being a product that complies with the criteria specified in Part A of Schedule 29.

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

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

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

- (a) the prescribed activity set out in regulation 6(s) is prescribed; and
- (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.

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

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

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.

**7 Time at which prescribed activity is undertaken**

For the purposes of section 17(2) 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.

**8 Certificate not to be created more than once for same product or activity**

- (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 shower roses) in residential premises, a certificate must not be issued in respect of—
  - (a) any other prescribed activity involving that product; or

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- 
- (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—
- (a) a prescribed activity involving the installation of a second water heating product referred to in Schedule 1, 2, 3 or 4;
- Reg. 8(2)(b) amended by S.R. No. 127/2010 reg. 7(a).
- (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. No. 127/2010 reg. 7(b).
- (c) a prescribed activity involving the installation of a second refrigerator or freezer referred to in Schedule 18 or 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).
- (e) a prescribed activity involving the installation of a second energy efficient clothes dryer referred to in Schedule 25.

## 9 Register to be kept by the ESC

- Reg. 9(1) amended by S.R. No. 127/2010 reg. 8(1).
- (1) The ESC must establish and keep a register of products that, if listed in the register, may be installed in residential premises 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;
  - (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(2)  
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. 9(3)  
substituted by  
S.R. No.  
127/2010  
reg. 8(2).

**10 Conditions and circumstances under which a certificate cannot be created**

- (1) For the purposes of section 17(4) of the Act, the following are conditions and circumstances in which a certificate cannot be created in relation to a prescribed activity—

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

r. 10A

Reg. 10(b)  
amended by  
S.R. No.  
127/2010  
reg. 9(1)(a).

Reg. 10(c)  
inserted by  
S.R. No.  
127/2010  
reg. 9(1)(b).

Reg. 10(2)  
inserted by  
S.R. No.  
127/2010  
reg. 9(2).

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

- (a) if the prescribed activity is an activity—
- (i) undertaken in residential premises; and
  - (ii) that, under the Building Code, is undertaken as a performance requirement in relation to those premises; or

- (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

- (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.

- (2) For the purposes of section 17(4) of the Act, a certificate cannot be created in relation to—

- (a) a prescribed activity referred to in regulation 6(p) if the prescribed activity is undertaken after 31 December 2010;
- (b) a prescribed activity referred to in regulation 6(r) if the prescribed activity is undertaken after 27 October 2010.

### 10A Discount factor

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.

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**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 published by the Australian Statistician in respect of the September quarter of the previous year;
  - 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.

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## 12 Scheme acquisition

For the purpose of the definition of *scheme acquisition* in section 3 of the Act, all residential customers of gas or electricity in Victoria are prescribed customers.

## 13 VEET scheme target

For the purposes of section 30(b) of the Act, the VEET scheme target is, in each year of the period commencing 1 January 2012 and ending 31 December 2014, 5.4 million tonnes of carbon dioxide equivalent of greenhouse gas emissions.

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Reg. 13  
inserted by  
S.R. No.  
31/2011 reg. 6.



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## SCHEDULES

### SCHEDULE 1

Regulation 6(a)

#### WATER HEATER

Prescribed activity under regulation 6(a): *Decommissioning an electric resistance water heater and installing a product that complies with the criteria specified in Part A of Schedule 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.
- 1C Electric boosted solar or heat pump water heater certified by an accredited body to AS/NZS 2712:2007, achieving a minimum energy performance of 60% solar contribution in zone 4 (Melbourne) climate as determined in accordance with AS 4234—1994 and listed in the ESC register.
- 1D Gas or liquefied petroleum gas boosted solar water heater certified by an accredited body to AS/NZS 2712:2007, achieving a minimum energy performance of 60% solar contribution in zone 4 (Melbourne) climate as determined in accordance with AS 4234—1994 and listed in the ESC register.

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**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent 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 determined by multiplying the abatement factor for that item by the regional factor (if any) 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

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

1C Abatement factor:

- (a) If the product is a small 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:  
 $40.47 - [0.003938 \times (B_s + B_e)];$
  - (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 4234—1994 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:  
 $69.37 - [0.004163 \times (B_s + B_e)].$

1D Abatement factor:

- (a) If the product is a small 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:  
 $40.47 - [0.015 \times (0.0573 \times B_s + 0.2625 \times B_e)];$
  - (ii) is installed in regional Victoria:  
 $42.79 - [0.015 \times (0.0573 \times B_s + 0.2775 \times B_e)].$

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(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:

$$65 \cdot 62 - [0 \cdot 015 \times (0 \cdot 0573 \times B_s + 0 \cdot 2625 \times B_e)];$$

(ii) is installed in regional Victoria:

$$69 \cdot 37 - [0 \cdot 015 \times (0 \cdot 0573 \times B_s + 0 \cdot 2775 \times B_e)].$$

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.

1C–1D Regional factor: 1.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**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 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.

1C 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.

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1D 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.

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**SCHEDULE 2**

Regulation 6(b)

**SOLAR RETROFIT KIT**

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

**PART A—CRITERIA**

**Item**

- 2A Solar retrofit kit (solar collector, pump and controller) certified by an accredited body to AS/NZS 2712:2007 with a performance evaluated 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 5.1 updated October 2008), achieving a minimum energy performance of 50% solar contribution in zone 4 as determined in accordance with AS 4234—1994 and listed in the ESC register.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

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

**Item**

2A 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:

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

2A Regional factor:

1

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

2A 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.

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**SCHEDULE 3**

Regulation 6(c)

**SOLAR WATER HEATER**

Prescribed activity under regulation 6(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.*

**PART A—CRITERIA**

**Item**

- 3A Gas or liquefied petroleum gas boosted solar water heater certified by an accredited body to AS/NZS 2712:2007 achieving a minimum energy performance of 60% solar contribution in zone 4 as determined in accordance with AS 4234—1994 and listed in the ESC register.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent 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 determined 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**

- 3A Abatement factor:
- (a) If the product is a small 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:  
 $12.27 - [0.015 \times (0.0573 \times B_s + 0.2625 \times B_e)]$ ;
- (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 4234—1994 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:  
 $17.95 - [0.015 \times (0.0573 \times B_s + 0.2775 \times B_e)]$ ;
- 3A Regional factor: 1

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

- 3A 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.
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**SCHEDULE 4**

Regulation 6(d)

**SOLAR PRE—HEATER**

Prescribed activity under regulation 6(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.*

**PART A—CRITERIA**

**Item**

- 4A Solar pre-heater certified by an accredited body to AS/NZS 2712:2007 with a performance evaluated 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 2.3 updated October 2008), achieving a minimum energy performance of 50% solar contribution in zone 4 as determined in accordance with AS 4234—1994 and listed in the ESC register.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined 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**

4A Abatement factor:

- (a) If the product is a small 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:  
 $7.53 - [0.006 \times (0.0573 \times B_s + 0.2625 \times B_e)];$
  - (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 4234—1994 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:  
 $10.26 - [0.006 \times (0.0573 \times B_s + 0.2775 \times B_e)];$

4A Regional factor: 1.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

4A 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.

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**SCHEDULE 5**

Regulation 6(e)

**HIGH EFFICIENCY DUCTED GAS HEATER REPLACING A  
DUCTED GAS HEATER**

Prescribed activity under regulation 6(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 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**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent 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 determined 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 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: 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 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: 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 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: 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.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**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.
-

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**SCHEDULE 6**

Regulation 6(f)

**HIGH EFFICIENCY DUCTED GAS HEATER REPLACING A  
CENTRAL ELECTRIC RESISTANCE HEATER**

Prescribed activity under regulation 6(f): *Decommissioning a central electric resistance heater that provides heating to a space with a floor area of at least 100m<sup>2</sup> 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**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by decommissioning of a central electric resistance heater and the installation of a product referred to in an item in Part A is determined 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

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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**

**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.
-

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**SCHEDULE 7**

Regulation 6(g)

**HIGH EFFICIENCY DUCTED AIR TO AIR HEAT PUMP  
REPLACING A DUCTED AIR TO AIR HEAT PUMP**

Prescribed activity under regulation 6(g): *If the residential premises are in a non-gas reticulated area, 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**

- 7A A product complying with the MEPS requirement set out in AS/NZS 3823.2:2005, achieving a minimum coefficient of performance of 3.5 when tested in accordance with AS/NZS 3823.1.2:2001 or AS/NZS 3823.3:2002 and a minimum rated output heating capacity of 10kW as determined in accordance with AS 3823.1.2: 2001 at the H1 temperature condition and listed in the ESC register.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent 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 determined 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:

- (a) If the product provides a rated output heating capacity of not less than 10 and not more than 18 kW as determined in accordance with AS/NZS 3823.1.2:2001 at the H1 temperature condition and has a coefficient of performance of—
- |   |        |
|---|--------|
| (i) not less than 3.5 and not more than 3.99:   | 3.22;  |
| (ii) not less than 4 and not more than 4.49:    | 8.45;  |
| (iii) not less than 4.5 and not more than 4.99: | 12.51; |
| (iv) 5 or more:                                 | 15.77; |
- (b) If the product provides a rated output heating capacity of more than 18 and not more than 28 kW as determined in accordance with AS/NZS 3823.1.2:2001 at the H1 temperature condition and has a coefficient of performance of—
- |   |        |
|---|--------|
| (i) not less than 3.5 and not more than 3.99:   | 4.07;  |
| (ii) not less than 4 and not more than 4.49:    | 10.68; |
| (iii) not less than 4.5 and not more than 4.99: | 15.83; |
| (iv) 5 or more:                                 | 19.94; |

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- (c) If the product provides a rated output heating capacity of more than 28 kW as determined in accordance with AS/NZS 3823.1.2:2001 at the H1 temperature condition and has a coefficient of performance of—
- |   |        |
|---|--------|
| (i) not less than 3.5 and not more than 3.99:   | 5.08;  |
| (ii) not less than 4 and not more than 4.49:    | 13.33; |
| (iii) not less than 4.5 and not more than 4.99: | 19.75; |
| (iv) 5 or more:                                 | 24.88. |

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: | 1.71; |
| (d) If the product is installed in regional Victoria—climatic region Hot:  | 0.74. |

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**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.

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**SCHEDULE 8**

Regulation 6(h)

**HIGH EFFICIENCY DUCTED AIR TO AIR HEAT PUMP  
REPLACING CENTRAL ELECTRIC RESISTANCE HEATER**

Prescribed activity under regulation 6(h): *If the residential premises are in a non-gas reticulated area, decommissioning a central electric resistance heater that provides heating to a space with a floor area of at least 100m<sup>2</sup> and installing a product that complies with the criteria specified in Part A of Schedule 8.*

**PART A—CRITERIA**

**Item**

- 8A A product complying with the MEPS requirement set out in AS/NZS 3823.2:2005, achieving a minimum coefficient of performance of 3.5 when tested in accordance with AS/NZS 3823.1.2:2001 or AS/NZS 3823.3:2002 and a minimum rated output heating capacity of 10 kW as determined in accordance with AS 3823.1.2:2001 at the H1 temperature condition and listed in the ESC register.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent 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 determined by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

**Sch. 8**

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

**Item**

8A Abatement factor:

- (a) If the product provides a rated output heating capacity of not less than 10 and not more than 18 kW as determined in accordance with AS/NZS 3823.1.2:2001 at the H1 temperature condition and has a coefficient of performance of—
- |   |        |
|---|--------|
| (i) not less than 3.5 and not more than 3.99:   | 98.0;  |
| (ii) not less than 4 and not more than 4.49:    | 104.2; |
| (iii) not less than 4.5 and not more than 4.99: | 108.9; |
| (iv) 5 or more:                                 | 112.7; |
- (b) If the product provides a rated output heating capacity of more than 18 and not more than 28 kW as determined in accordance with AS/NZS 3823.1.2:2001 at the H1 temperature condition and has a coefficient of performance of—
- |   |        |
|---|--------|
| (i) not less than 3.5 and not more than 3.99:   | 124.1; |
| (ii) not less than 4 and not more than 4.49:    | 131.9; |
| (iii) not less than 4.5 and not more than 4.99: | 137.9; |
| (iv) 5 or more:                                 | 142.7; |

- 
- (c) If the product provides a rated output heating capacity of more than 28 kW as determined in accordance with AS/NZS 3823.1.2: 2001 at the H1 temperature condition and has a coefficient of performance of—
- (i) not less than 3.5 and not more than 3.99: 156.6;
  - (ii) not less than 4 and not more than 4.49: 166.1;
  - (iii) not less than 4.5 and not more than 4.99: 173.4;
  - (iv) 5 or more: 179.2.

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: 1.75;
- (d) If the product is installed in regional Victoria—climatic region Hot: 0.67.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**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.
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**SCHEDULE 9**

Regulation 6(i)

**GAS OR LIQUEFIED PETROLEUM GAS SPACE HEATER**

Prescribed activity under regulation 6(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.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined 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:

- 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: 4.32;
- (ii) 5 or more: 4.83;
- (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: 8.19;
- (ii) 5 or more: 9.17;
- (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: 10.22;
- (ii) 5 or more: 11.44.

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: 0.32;
- (iii) is installed in regional Victoria—  
climatic region Cold: 0.51;
- (iv) is installed in regional Victoria—  
climatic region Hot: 0.22;

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- (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: 0.39;
  - (iii) is installed in regional Victoria—  
climatic region Cold: 0.63;
  - (iv) is installed in regional Victoria—  
climatic region Hot: 0.27.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

- 9A At the beginning of the day on which the installed product is first able to produce and deliver heating.
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**SCHEDULE 10**

Regulation 6(j)

**SPACE AIR TO AIR HEAT PUMP**

Prescribed activity under regulation 6(j): *If the residential premises are in a non-gas reticulated area, installing a space air to air heat pump that complies with the criteria specified in Part A of Schedule 10.*

**PART A—CRITERIA**

**Item**

- 10A A product complying with the MEPS requirement set out in AS/NZS 3823.2: 2005, achieving a minimum coefficient of performance of 3.5 when tested in accordance with AS/NZS 3823.1.1:1998 and a minimum rated output heating capacity of 2 kW as determined in accordance with AS/NZS 3823.1.1:1998 at the H1 temperature condition and listed in the ESC register.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined 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**

- 10A 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/NZS 3823.1.1:1998 at the H1 temperature condition and has a coefficient of performance of—

**Sch. 10**

- 
- (i) not less than 3.5 and not more than 3.99: 5.21;
- (ii) not less than 4 and not more than 4.49: 6.13;
- (iii) not less than 4.5 and not more than 4.99: 6.85;
- (iv) 5 or more: 7.42;
- (b) If the product provides a rated output heating capacity of 3 or more and not more than 6 kW as determined in accordance with AS/NZS 3823.1.1:1998 at the H1 temperature condition and has a coefficient of performance of—
- (i) not less than 3.5 and not more than 3.99: 9.89;
- (ii) not less than 4 and not more than 4.49: 11.65;
- (iii) not less than 4.5 and not more than 4.99: 13.01;
- (iv) 5 or more: 14.09;
- (c) If the product provides a rated output heating capacity of more than 6 kW as determined in accordance with AS/NZS 3823.1.1:1998 at the H1 temperature condition and has a coefficient of performance of—
- (i) not less than 3.5 and not more than 3.99: 12.55;
- (ii) not less than 4 and not more than 4.49: 14.68;
- (iii) not less than 4.5 and not more than 4.99: 16.33;
- (iv) 5 or more: 17.65.

10A Regional factor:

- (a) If the product has a coefficient of performance of not less than 3.5 and is installed in metropolitan Victoria: 1.00;
- (b) If the product has a coefficient of performance of not less than 3.5 and not more than 3.99 and—
- (i) is installed in regional Victoria—climatic region Mild: 0.07;
  - (ii) is installed in regional Victoria—climatic region Cold: 0.18;
  - (iii) is installed in regional Victoria—climatic region Hot: 0;
- Note that a certificate cannot be created for a space air to air heat pump installed in regional Victoria—climatic region Hot.
- (c) If the product has a coefficient of performance of not less than 4.0 and not more than 4.49 and—
- (i) is installed in regional Victoria—climatic region Mild: 0.22;
  - (ii) is installed in regional Victoria—climatic region Cold: 0.39;
  - (iii) is installed in regional Victoria—climatic region Hot: 0.09;
- (d) If the product has a coefficient of performance of not less than 4.5 and not more than 4.99 and—
- (i) is installed in regional Victoria—climatic region Mild: 0.34;
  - (ii) is installed in regional Victoria—climatic region Cold: 0.58;
  - (iii) is installed in regional Victoria—climatic region Hot: 0.20;

**Sch. 10**

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- (e) If the product has a coefficient of performance of 5 or more and—
- (i) is installed in regional Victoria—  
climatic region Mild: 0.44;
  - (ii) is installed in regional Victoria—  
climatic region Cold: 0.72;
  - (iii) is installed in regional Victoria—  
climatic region Hot: 0.29.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

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

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**SCHEDULE 11**

Regulation 6(k)

**CEILING INSULATION**

Prescribed activity under regulation 6(k): *Installing a product in accordance with AS 3999—1992 in a ceiling area not previously insulated for a minimum area of 20m<sup>2</sup>, being a product that complies with the criteria specified in Part A of Schedule 11.*

**PART A—CRITERIA**

**Item**

- 11A 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 3.5 when measured and labelled in accordance with AS/NZS 4859.1:2002.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product or products referred to in an item in Part A is determined by multiplying the area of insulation (m<sup>2</sup>) 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**

- 11A Abatement factor: 0.256;
- 11A Regional factor:
- (a) If the product or products are installed in metropolitan Victoria: 1.06;

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- (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.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

- 11A At the beginning of the day on which the installation of the product or products is completed.
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**SCHEDULE 12**

Regulation 6(l)

**UNDER FLOOR INSULATION**

Prescribed activity under regulation 6(l): *Installing a product as under floor insulation in accordance with AS 3999—1992 in respect of a floor area not previously insulated for a minimum area of 20m<sup>2</sup>, being a product that complies with the criteria specified in Part A of Schedule 12.*

**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**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product or products referred to in an item in Part A is determined by multiplying the area of insulation (m<sup>2</sup>) 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; |

**Sch. 12**

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- (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.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

- 12A At the beginning of the day on which the installation of the product or products is completed.
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**SCHEDULE 13**

Regulation 6(m)

**THERMALLY EFFICIENT WINDOW**

Prescribed activity under regulation 6(m): *Installing, in place of one or more windows in an external wall, at least 5m<sup>2</sup> of glazing or glazed product that complies with the criteria specified in Part A of Schedule 13.*

**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**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined by multiplying the area of glazing (m<sup>2</sup>) by the abatement factor for that item and 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;

**Sch. 13**

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- |   |        |
|---|--------|
| (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.  |

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

- 13A At the beginning of the day on which the installation of the product is completed.
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**SCHEDULE 14**

Regulation 6(n)

**INSTALLATION OF PRODUCT ON SINGLE GLAZED  
WINDOW RAISING THERMAL EFFICIENCY**

Prescribed activity under regulation 6(n): *Installing on one or more single glazed windows in an external wall for a minimum glazing area of 5m<sup>2</sup>, 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**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined by multiplying the area of glazing (m<sup>2</sup>) installed by the abatement factor for that item and 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. |
- 14A Regional factor:
- |   |       |
|---|-------|
| (a) If the product is installed in metropolitan Victoria: | 1.03; |
|---|-------|

**Sch. 14**

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- (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.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

- 14A At the beginning of the day on which the installation of the product is completed.
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**SCHEDULE 15**

Regulation 6(o)

**WEATHER SEALING**

Prescribed activity under regulation 6(o): *In the same residential premises, undertaking any one or more of the activities to restrict the airflow into or out of the premises [referred to in subparagraphs (i) to (vi) of regulation 6(o)] (not being an activity, or two or more activities that together, result in the premises failing to receive natural air changes at a rate of at least 0.5 per hour or to comply with the minimum ventilation requirements of Part 3.8.5 of the Building Code).*

**PART A—CRITERIA**

**Item**

- 15A A door bottom sealing product or a product that is a light weight self adhesive weather stripping product made of foam, flexible plastic, polypropylene pile, rubber compressible strip, fibrous seal or a similar product.
- 15B A product that is a light weight self adhesive weather stripping product made of foam, flexible plastic, polypropylene pile, rubber compressible strip, fibrous seal or a similar product.
- 15C A product, being a ceiling or wall exhaust fan that is fitted with a self-closing damper, flap, filter (for instance, of a type commonly fitted to a kitchen range hood) or other sealing product that can be closed to seal the exhaust of a fan.
- 15D A product that is a self-closing damper, flap, filter (for instance, of a type commonly fitted to a kitchen range hood) or other sealing product that can be closed to seal the exhaust of a fan.
- 15E A product capable of restricting the airflow into and out of a ventilation opening.
- 15F A product that is capable of restricting air flow into or out of a chimney or flue.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product or products installed in residential premises in accordance with regulation 6(o) and this Schedule is the sum of the figures obtained by multiplying the number of activities undertaken in the premises under each item in Part A by the abatement factor for that item (or, in the case of item 15B, by the area in m<sup>2</sup> of the window the frame of which is sealed) and by the regional factor applying to the place where the premises are situated.

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

**Item**

15A	Abatement factor:	
	For each door:	0.371.
15B	Abatement factor:	
	For each m <sup>2</sup> of the window, the frame of which is sealed:	0.025.
15C	Abatement factor:	
	For each exhaust fan:	0.911.
15D	Abatement factor:	
	For each exhaust fan:	0.911.
15E	Abatement factor:	
	For each ventilation opening sealed or closed:	0.231.
15F	Abatement factor:	
	For each chimney or flue in which a product is installed:	5.130.



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15A–15F Regional factor:

- |   |       |
|---|-------|
| (a) If the prescribed activity is undertaken in metropolitan Victoria:                  | 1.03; |
| (b) If the prescribed activity is undertaken in regional Victoria—climatic region Mild: | 0.91; |
| (c) If the prescribed activity is undertaken in regional Victoria—climatic region Cold: | 1.30; |
| (d) If the prescribed activity is undertaken in regional Victoria—climatic region Hot:  | 0.84. |

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

- 15A–15F At the beginning of the day on which the installation of the product is completed or, in the case of the installation of a product in place of a ceiling or wall exhaust fan, at the beginning of the day which is the later of the day on which the product is installed and the day on which the ceiling or wall exhaust fan is decommissioned.
-

Victorian Energy Efficiency Target Regulations 2008  
S.R. No. 158/2008

**Sch. 16**

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

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**SCHEDULE 17**

Regulation 6(q)

**LOW FLOW SHOWER ROSE**

Prescribed activity under regulation 6(q): *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) 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.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent 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 determined by multiplying the number of products installed (not being more than 2) 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.
- 17A Regional factor:
- (a) If the product is installed in metropolitan Victoria: 0.85;

Sch. 17

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- (b) If the product is installed in regional  
Victoria: 1.04.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**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.
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Victorian Energy Efficiency Target Regulations 2008  
S.R. No. 158/2008

Sch. 18

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

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**SCHEDULE 19**

Regulation 6(s)

**DESTRUCTION OF PRE-1996 REFRIGERATOR OR  
FREEZER**

Prescribed activity under regulation 6(s): *Removing from the residential 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.*

**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 residential premises.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the removal and destruction of an item referred to in Part A is determined by multiplying the abatement factor for that item by the regional factor applying to the place where the residential premises from which the item is removed are 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. |

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19A Regional factor:

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

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

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

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Sch. 20  
revoked by  
S.R. No.  
127/2010  
reg. 12,  
new sch. 20  
inserted by  
S.R. No.  
127/2010  
reg. 13.

**SCHEDULE 20**

Regulation 6(t)

**HIGH EFFICIENCY DUCTED GAS HEATER**

Prescribed activity under regulation 6(t): *Installing a high efficiency ducted gas heater in new residential premises that complies with the criteria specified in Part A of Schedule 20.*

**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.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined 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—



- 
- (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.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**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**

Regulation 6(u)

**LIGHTING**

Prescribed activity under regulation 6(u): *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 a product other than a compact fluorescent lamp, meets the performance requirements for compact fluorescent lamps set out in Table 1 of AS/NZS 4847.2:2010; 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
    - (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 warm white (2700K to 3500K) or cool white (3500K to 4000K).
- 21B Installation of low energy reflector lamp in place of a mains voltage incandescent reflector lamp, being a product that—
- (a) has a light output equivalent to the replaced lamp; and
  - (b) meets the performance requirement for the attributes set out in Table 1 of AS/NZS 4847.2:2010; and
  - (c) achieves minimum lighting source efficacy levels of 25 lumens/watt; and
  - (d) has a minimum manufacturer's rated lifetime of 8000 hours; 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 colour temperature that is warm white (2700K to 3500K) or cool white (3500K to 4000K).
- 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—
- (a) if the lamp is to be installed in a dimmable circuit, is approved by the manufacturer as suitable for such a circuit; and

**Sch. 21**

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- (b) has the following characteristics—
- (i) meets the performance requirements for the attributes set out in Table 1 of AS/NZS 4847.2:2010; and
  - (ii) achieves minimum lighting source efficacy levels of 25 lumens/watt; and
  - (iii) has a minimum light output of 350 lumens in the forward direction; and
  - (iv) has a minimum manufacturer's rated lifetime of 8000 hours; and
  - (v) has a colour temperature that is warm white (2700K to 3500K) or cool white (3500K to 4000K); and
  - (vi) has a beam angle of not less than 36 degrees when determined in accordance with IEC/TR 61341 Edition 2.0.

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—

- (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
- (b) uses a lamp that has the following characteristics—
  - (i) meets the performance requirements for the attributes set out in Table 1 of AS/NZS 4847.2:2010; and
  - (ii) achieves a minimum lighting source efficacy of 40 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 8000 hours; and

- (v) has a colour temperature that is warm white (2700K to 3500K) or cool white (3500K to 4000K); and
- (vi) has a beam angle of not less than 36 degrees when determined in accordance with IEC/TR 61341 Edition 2.0.

#### **PART B—CALCULATION OF CARBON DIOXIDE EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product or products referred to in an item in Part A is determined by 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 premises are situated.

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

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- (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 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	0.25
2	10 000 or more and less than 12 000	0.32
3	12 000 or more and less than 15 000	0.38
4	15 000 or more and less than 20 000	0.47
5	20 000 or more	0.63

- (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.

<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	0.27
2	10 000 or more and less than 12 000	0.34
3	12 000 or more and less than 15 000	0.41
4	15 000 and less than 20 000	0.51
5	20 000 or more	0.69

- (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	0.29
2	10 000 or more and less than 12 000	0.36
3	12 000 or more and less than 15 000	0.43
4	15 000 or more and less than 20 000	0.54
5	20 000 or more	0.72

21B Abatement factor:

- (a) The abatement factor for a product that achieves a minimum lighting source efficacy of 25 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	8000 or more and less than 10 000	0.32
2	10 000 or more and less than 12 000	0.40
3	12 000 or more and less than 15 000	0.48
4	15 000 or more and less than 20 000	0.60
5	20 000 or more	0.80

- (b) The abatement factor for a product that achieves a minimum lighting source efficacy of 30 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	8000 or more and less than 10 000	0.33
2	10 000 or more and less than 12 000	0.42
3	12 000 or more and less than 15 000	0.50
4	15 000 or more and less than 20 000	0.62
5	20 000 or more	0.83

- (c) The abatement factor for a product that achieves a minimum lighting source efficacy of 36 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	8000 or more and less than 10 000	0.34
2	10 000 or more and less than 12 000	0.43
3	12 000 or more and less than 15 000	0.51

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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>
4	15 000 or more and less than 20 000	0.64
5	20 000 or more	0.86

21C Abatement factor:

- (a) The abatement factor for a product that achieves a minimum lighting source efficacy of 25 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	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	0.50

- (b) The abatement factor for a product that achieves a minimum lighting source efficacy of 30 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	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	0.35
4	15 000 or more and less than 20 000	0.44
5	20 000 or more	0.59

- (c) The abatement factor for a product that achieves a minimum lighting source efficacy of 36 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	8000 or more and less than 10 000	0.32
2	10 000 or more and less than 12 000	0.39
3	12 000 or more and less than 15 000	0.47
4	15 000 or more and less than 20 000	0.59
5	20 000 or more	0.79

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21D Abatement factor:

- (a) The abatement factor for a product that achieves a minimum lighting source efficacy of 40 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	8000 or more and less than 10 000	0.30
2	10 000 or more and less than 12 000	0.38
3	12 000 or more and less than 15 000	0.45
4	15 000 or more and less than 20 000	0.56
5	20 000 or more	0.75

- (b) The abatement factor for a product that achieves a minimum lighting source efficacy of 48 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	8000 or more and less than 10 000	0.32
2	10 000 or more and less than 12 000	0.40
3	12 000 or more and less than 15 000	0.48

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item</i>	<i>Hours</i>	<i>Abatement factor</i>
4	15 000 or more and less than 20 000	0.60
5	20 000 or more	0.80

- (c) The abatement factor for a product that achieves a minimum lighting source efficacy of 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	8000 or more and less than 10 000	0.36
2	10 000 or more and less than 12 000	0.45
3	12 000 or more and less than 15 000	0.54
4	15 000 or more and less than 20 000	0.67
5	20 000 or more	0.90

21A–21D 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**

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21A–21D 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**

**Item**

21A–21D 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.

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**SCHEDULE 22**

Regulation 6(v)

Sch. 22  
inserted by  
S.R. No.  
127/2010  
reg. 13.

**HIGH EFFICIENCY REFRIGERATORS AND FREEZERS**

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

**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.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined 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:

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

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.

**Sch. 22**

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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**

**Item**

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

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**SCHEDULE 23**

Regulation 6(w)

Sch. 23  
inserted by  
S.R. No.  
127/2010  
reg. 13.

**REPLACEMENT OF REFRIGERATIVE AIR CONDITIONER  
WITH DUCTED EVAPORATIVE COOLER**

Prescribed activity under regulation 6(w): *Decommissioning a refrigerative air conditioner for one or more main living areas (but not a bedroom) whether or not ducted and installing a ducted evaporative cooler that complies with the criteria specified in Part A of Schedule 23.*

**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.

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**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined 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;
- (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—

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(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.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

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

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**SCHEDULE 24**

Regulation 6(x)

Sch. 24  
inserted by  
S.R. No.  
127/2010  
reg. 13.

**INSTALLATION OF HIGH EFFICIENCY TELEVISION**

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

**PART A—CRITERIA**

**Item**

24A A product that—

- (a) is registered for energy labelling in accordance with AS/NZS 62087.2.2:2010; and
- (b) has a minimum star rating of 5.5 stars as determined in accordance with AS/NZS 62087.2.2:2010; and
- (c) has a Comparative Energy Consumption on the energy rating label of not more than 450 kWh/y.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined 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**

24A Abatement factor:

To be determined in accordance with the formula—

$$[0.512 \times (SA \times 0.1825 + 127.5) - CEC] \times 0.01079$$

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Where—

SA is the area of the screen in cm<sup>2</sup> as defined in AS/NZS 62087.2.2:2010;

CEC is the comparative energy consumption (kWh/y) specified on the energy rating label as defined by AS/NZS 62087.2.2:2010.

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. |

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

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

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**SCHEDULE 25**

Regulation 6(y)

Sch. 25  
inserted by  
S.R. No.  
127/2010  
reg. 13.

**INSTALLATION OF ENERGY EFFICIENT (LOW  
GREENHOUSE INTENSITY) CLOTHES DRYER**

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

**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**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

**Sch. 25**

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. |

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

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

---

**SCHEDULE 26**

Regulation 6(z)

**INSTALLATION OF HIGH EFFICIENCY POOL PUMP**

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

**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 300W 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.

**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product referred to in an item in Part A is determined by multiplying the abatement factor for that item by the regional factor applying to the place where the product is installed.

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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. |

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

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

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inserted by  
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127/2010  
reg. 13.

**SCHEDULE 27**

Regulation 4

**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>
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

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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>
24	3028	Metropolitan	Yes	Metropolitan
25	3029	Metropolitan	Yes	Metropolitan
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

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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>
52	3057	Metropolitan	Yes	Metropolitan
53	3058	Metropolitan	Yes	Metropolitan
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



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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>
80	3088	Metropolitan	Yes	Metropolitan
81	3089	Metropolitan	Yes	Metropolitan
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

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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>
108	3124	Metropolitan	Yes	Metropolitan
109	3125	Metropolitan	Yes	Metropolitan
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

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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>
136	3152	Metropolitan	Yes	Metropolitan
137	3153	Metropolitan	Yes	Metropolitan
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

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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>
164	3181	Metropolitan	Yes	Metropolitan
165	3182	Metropolitan	Yes	Metropolitan
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

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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>
192	3214	Regional	Yes	Mild
193	3215	Regional	Yes	Mild
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

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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>
221	3249	Regional	Yes	Mild
222	3250	Regional	Yes	Mild
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

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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>
249	3287	Regional	No	Mild
250	3289	Regional	No	Cold
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

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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>
277	3331	Regional	No	Mild
278	3332	Regional	No	Mild
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



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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>
304	3377	Regional	Yes	Cold
305	3378	Regional	No	Cold
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

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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>
332	3424	Regional	No	Cold
333	3427	Metropolitan	Yes	Metropolitan
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

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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>
359	3465	Regional	Yes	Cold
360	3467	Regional	No	Cold
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

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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>
386	3515	Regional	No	Cold
387	3516	Regional	No	Cold
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

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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>
414	3559	Regional	No	Cold
415	3561	Regional	Yes	Cold
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

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
441	3596	Regional	No	Hot
442	3597	Regional	No	Hot
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

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
469	3640	Regional	Yes	Cold
470	3641	Regional	Yes	Cold
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

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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>
497	3687	Regional	Yes	Cold
498	3688	Regional	No	Cold
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



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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
525	3724	Regional	No	Cold
526	3725	Regional	No	Cold
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

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
553	3759	Regional	Yes	Mild
554	3760	Regional	Yes	Mild
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

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
580	3799	Regional	Yes	Cold
581	3800	Regional	Yes	Mild
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

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
608	3841	Regional	No	Mild
609	3842	Regional	Yes	Mild
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

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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>
636	3887	Regional	No	Mild
637	3888	Regional	No	Mild
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

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<i>Item</i>	<i>Postcode</i>	<i>Regional/ Metropolitan</i>	<i>Reticulated Gas</i>	<i>Climatic Region</i>
664	3926	Regional	Yes	Mild
665	3927	Regional	Yes	Mild
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

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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>
692	3962	Regional	No	Mild
693	3964	Regional	No	Cold
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**

Regulation 6(za)

**REPLACEMENT OF GAS HEATING DUCTWORK**

Prescribed activity under regulation 6(za): *decommissioning existing 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.*

**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.



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**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent 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 determined 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**

**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.
-

**SCHEDULE 29**

Regulation 6(zb)

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inserted by  
S.R. No.  
56/2011 reg. 6.

**INSTALLATION OF STANDBY POWER CONTROLLER**

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

**PART A—CRITERIA**

**Item**

- 29A A product that when installed in an information technology environment is able to automatically reduce the standby energy consumption of home 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

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- (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.

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**PART B—CALCULATION OF CARBON DIOXIDE  
EQUIVALENTS OF GREENHOUSE GASES**

The method and variables to be used to calculate in tonnes the carbon dioxide equivalent of greenhouse gases to be reduced by the installation of a product or products referred to in an item in Part A is determined by the sum of the figures obtained by multiplying the number (not exceeding 4) of products installed 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 satisfies the minimum eligibility criteria for an item in Part A: 1·0;
- (b) A product that satisfies the minimum eligibility criteria for 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 at least 2·0 tonnes over a 10 year period and has been subjected to a field trial approved by the ESC: 2·0;
- (c) A product that satisfies the minimum eligibility criteria for 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 at least 3·0 tonnes over a 10 year period and has been subjected to a field trial approved by the ESC: 3·0;

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- (d) A product that satisfies the minimum eligibility criteria for 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 at least 4·0 tonnes over a 10 year period and has been subjected to a field trial approved by the ESC: 4·0;
- (e) A product that satisfies the minimum eligibility criteria for 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 at least 5·0 tonnes over a 10 year period and has been subjected to a field trial approved by the ESC: 5·0;
- (f) A product that satisfies the minimum eligibility criteria for 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 at least 6·0 tonnes over a 10 year period and has been subjected to a field trial approved by the ESC: 6·0.
- 29B Abatement Factor:
- (a) A product that satisfies the minimum eligibility criteria for item 29B in Part A: 1·0;
- (b) 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

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- demonstrated, to the satisfaction of the ESC,  
to be capable of achieving abatement of at  
least 2·0 tonnes over a 10 year period and  
has been subjected to a field trial approved  
by the ESC: 2·0;
- (c) 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 at  
least 3·0 tonnes over a 10 year period and  
has been subjected to a field trial approved  
by the ESC: 3·0;
- (d) 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 at  
least 4·0 tonnes over a 10 year period and  
has been subjected to a field trial approved  
by the ESC: 4·0;
- (e) 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 at  
least 5·0 tonnes over a 10 year period and  
has been subjected to a field trial approved  
by the ESC: 5·0;
- (f) 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,



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to be capable of achieving abatement of at least 6·0 tonnes over a 10 year period and has been subjected to a field trial approved by the ESC: 6·0.

**PART C—TIME AT WHICH ACTIVITY UNDERTAKEN**

**Item**

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

## ENDNOTES

### 1. General 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**).

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## 2. Table of Amendments

This Version incorporates amendments made to the Victorian Energy Efficiency Target Regulations 2008 by statutory rules, subordinate instruments and Acts.

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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)

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

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### 3. Explanatory Details

#### Table of Applied, Adopted or Incorporated Matter Required by the Subordinate Legislation Regulations 2004

Note that the following table of applied, adopted or incorporated matter is included 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
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

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<b>Statutory Rule Provision</b>	<b>Title of applied, adopted or incorporated document</b>	<b>Matter in applied, adopted or incorporated document</b>
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
Schedule 3, Part A	AS/NZS 2712:2007 Solar and heat pump water heaters—Design and construction	The whole

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<b>Statutory Rule Provision</b>	<b>Title of applied, adopted or incorporated document</b>	<b>Matter in applied, adopted or incorporated document</b>
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, Sustainability Victoria</i>	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
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

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<b>Statutory Rule Provision</b>	<b>Title of applied, adopted or incorporated document</b>	<b>Matter in applied, adopted or incorporated document</b>
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
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

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<b>Statutory Rule Provision</b>	<b>Title of applied, adopted or incorporated document</b>	<b>Matter in applied, adopted or incorporated document</b>
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
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



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<b>Statutory Rule Provision</b>	<b>Title of applied, adopted or incorporated document</b>	<b>Matter in applied, adopted or incorporated document</b>
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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<b>Statutory Rule Provision</b>	<b>Title of applied, adopted or incorporated document</b>	<b>Matter in applied, adopted or incorporated document</b>
	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>

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<b>Statutory Rule Provision</b>	<b>Title of applied, adopted or incorporated document</b>	<b>Matter in applied, adopted or incorporated document</b>
	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



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<b>Statutory Rule Provision</b>	<b>Title of applied, adopted or incorporated document</b>	<b>Matter in applied, adopted or incorporated document</b>
Regulation 13 which inserts new Schedule 26 in the Principal Regulations	<p>Voluntary Energy Rating Labelling Program for Swimming Pool Pump-units: Rules for Participation, April 2010, published by the Equipment Energy Efficiency (E3) Committee.</p> <p>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.</p> <p>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.</p>	<p>The whole</p> <p>The whole</p> <p>The whole</p>

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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. 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