

**Purchase High Efficiency New Refrigerator or Refrigerator-Freezer; Residential or Commercial**

**Activity No.**

APP1A

### 1. Activity Specific Definitions

**Refrigerator** means a refrigerating appliance registered for energy labelling and MEPS under standard AS/NZS 4474.2 classified as Group 1, 4, 5T, 5B or 5S

**CEC** is the Comparative Energy Consumption shown on the energy label and entered in the product registration in kWh/year

**Gross volume** is the total gross volume of all compartments as determined in accordance with AS/NZS 4474.1 in litres

**Adjusted volume** is the **adjusted volume** determined in accordance with AS/NZS 4474.2 and entered in the product registration in litres

### 2. Activity Description (Summary)

Purchase an efficient new refrigerator or refrigerator-freezer

### 3. Activity Eligibility Requirements

Any compliant product sold in a retail outlet in South Australia for use in a residential or commercial premises in South Australia.

### 4. Product Requirements

1. A Group 1 product shall have a total gross volume in the size range 100 to 500 litres and shall achieve a star rating index of not less than 2.0 in accordance with AS/NZS 4474.2;
2. A Group 4, 5T, 5B or 5S product shall have a total gross volume in the size range 100 to 700 litres and shall achieve a star rating index of not less than 2.7 in accordance with AS/NZS 4474.2.
3. The product shall have a valid registration with the GEMS regulator at the time of sale.
4. The refrigerating appliance shall not have a designation of cooled appliance under AS/NZS 4474.1.
5. The refrigerating appliance shall not be a wine storage appliance or have any compartment that is intended exclusively for wine or beverage storage.

### 5. Minimum Installation Requirements

None.

### 6. Activity energy savings

The normalised energy saved per appliance purchased is equal to:

Group 1 Normalised Energy Savings GJ =  $\{[0.9126 \times (200 + 4 \times (\text{Adjusted volume})^{0.67})] - \text{CEC}\} \times 0.04374$

Group 4, 5T, 5B, 5S Normalised Energy Savings GJ =  $\{[0.6954 \times (150 + 8.8 \times (\text{Adjusted volume})^{0.67})] - \text{CEC}\} \times 0.04374$

### 7. Guidance Notes (Informative only – not mandatory)

Information on registration data for current models can be obtained from the Downloadable CSV file available at: [http://reg.energyrating.gov.au/comparator/product\\_types/28/search/](http://reg.energyrating.gov.au/comparator/product_types/28/search/). Adjusted volume and CEC are obtained from the "Adjusted volume" and "CEC" columns of the CSV file.

A description of refrigerator and freezer Groups is provided at, <http://www.energyrating.gov.au/products-themes/refrigeration/domestic-refrigeration/meps/>

Cooled appliance has the meaning as in AS/NZS 4474.1, being an appliance which cannot be classified as a refrigerator, refrigerator/freezer or freezer.