

<b>Purchase High Efficiency New Refrigerator or Refrigerator-Freezer; Residential or Commercial</b>	<b>Activity No.</b>
	<b>APP1A</b>

## 1. ACTIVITY SPECIFIC DEFINITIONS

**Refrigerator** means a refrigerating appliance registered for energy labelling and MEPS under standard AS/NZS 4474.2:2009 or AS/NZS4474:2018 classified as Group 1, 4, 5T, 5B or 5S

**Gross volume** is the total gross volume of all compartments as determined in accordance with AS/NZS 4474.1 or AS/NZS IEC 62552.3 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 3.5 in accordance with AS/NZS 4474.2 or AS/NZS4474:2018.
- (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 3.5 in accordance with AS/NZS 4474.2 or AS/NZS4474:2018.
- (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 or AS/NZS IEC 62552.1.
- (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. NORMALISED REPS GIGAJOULES

The normalised REPS gigajoules achieved (per appliance) from undertaking this activity is equal to:

Normalised REPS Gigajoules = Productivity Factor (as per table below) x REPS Transition Factor (as per table below).

ACTIVITY APP1A – REPS PRODUCTIVITY FACTORS – GROUP 1

Gigajoules Group 1	Star Rating									
	3.5 to < 4 Stars	4 to < 4.5 Stars	4.5 to < 5 Stars	5 to < 5.5 Stars	5.5 to < 6 Stars	6 to < 7 Stars	7 to < 8 Stars	8 to < 9 Stars	9 to < 10 Stars	10 Stars
100 to < 150 L	3.1	4.0	4.7	5.4	6.0	6.5	7.4	8.1	8.6	8.9
150 to < 200 L	3.3	4.3	5.1	5.9	6.5	7.1	8.0	8.8	9.3	9.6
200 to < 250 L	3.6	4.6	5.5	6.3	7.0	7.6	8.6	9.4	10.0	10.3
250 to < 300 L	3.8	4.9	5.8	6.7	7.4	8.1	9.1	10.0	10.6	11.0
300 to < 350 L	4.0	5.1	6.2	7.0	7.8	8.5	9.6	10.5	11.2	11.6
350 to < 400 L	4.2	5.4	6.5	7.4	8.2	8.9	10.1	11.0	11.7	12.1
400 to < 450 L	4.4	5.6	6.8	7.7	8.6	9.3	10.6	11.5	12.3	12.7
450 to 500 L	4.6	5.9	7.0	8.0	8.9	9.7	11.0	12.0	12.8	13.2

ACTIVITY APP1A – REPS PRODUCTIVITY FACTORS – GROUP 5T, 5B AND 5S

Group 4, 5T,5B and 5S	Star Rating									
	Gross Volume	3.5 to < 4 Stars	4 to < 4.5 Stars	4.5 to < 5 Stars	5 to < 5.5 Stars	5.5 to < 6 Stars	6 to < 7 Stars	7 to < 8 Stars	8 to < 9 Stars	9 to < 10 Stars
100 to < 150 L	1.5	2.7	3.7	4.6	5.4	6.1	7.3	8.1	8.8	9.2
150 to < 200 L	1.7	3.1	4.3	5.3	6.3	7.1	8.4	9.4	10.2	10.7
200 to < 250 L	1.9	3.5	4.8	6.0	7.0	7.9	9.4	10.6	11.5	12.0
250 to < 300 L	2.1	3.8	5.3	6.6	7.8	8.8	10.4	11.7	12.7	13.2
300 to < 350 L	2.3	4.2	5.8	7.2	8.4	9.5	11.3	12.7	13.8	14.4
350 to < 400 L	2.5	4.5	6.2	7.7	9.1	10.3	12.2	13.7	14.8	15.5
400 to < 450 L	2.7	4.8	6.6	8.3	9.7	10.9	13.0	14.6	15.8	16.6
450 to < 500 L	2.8	5.1	7.0	8.8	10.3	11.6	13.8	15.5	16.8	17.6
500 to < 550 L	3.0	5.4	7.4	9.3	10.9	12.3	14.6	16.4	17.7	18.6
550 to < 600 L	3.1	5.6	7.8	9.7	11.4	12.9	15.3	17.2	18.6	19.5
600 to < 650 L	3.3	5.9	8.2	10.2	12.0	13.5	16.1	18.0	19.5	20.4
650 to 700 L	3.4	6.2	8.5	10.6	12.5	14.1	16.8	18.8	20.4	21.3

ACTIVITY APP1A – REPS TRANSITION FACTORS

Year of Installation	REPS Transition Factor
2021	4
2022	4
2023	3
2024	2
2025 onwards	1

**7. GUIDANCE NOTES (INFORMATIVE ONLY – NOT MANDATORY)**

- (1) This activity may be undertaken in conjunction with activity APP2, in which case gigajoules for both this activity and activity APP2 may be claimed. Note, this only applies in cases

where activity APP2 relates to removal and disposal of a main (primary) appliance and not in relation to a “secondary” appliance as defined under activity APP2.

- (2) Information on registration data for current models can be obtained from:

[http://reg.energyrating.gov.au/comparator/product\\_types/28/search/](http://reg.energyrating.gov.au/comparator/product_types/28/search/).

A description of refrigerator and freezer Groups (called “Type” in the above noted website) is provided at, [www.energyrating.gov.au/products-themes/refrigeration/domestic-refrigeration/meps/](http://www.energyrating.gov.au/products-themes/refrigeration/domestic-refrigeration/meps/)

- (3) Cooled appliance has the meaning as in AS/NZS 4474.1 or AS/NZS 4474, being an appliance which cannot be classified as a refrigerator, refrigerator/freezer or freezer.
- (4) Transition factors have been applied to certain REPS activities to provide a pathway to transition the REPS toward delivery of a preferred mix of activities over the first five-year stage. Application of these factors provides a phased trajectory for retailers that addresses both the challenge of managing the downgrading of deemed gigajoules for lighting activities due to reducing additionality, as well as the pivot toward business models to deliver deeper retrofit activities and demand response activities