



Independent Pricing and Regulatory Tribunal

Method Guide Removal of Old Appliances Deemed Energy Savings Method

Energy Savings Scheme
September 2014

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1 About this guide

This guide details how the Removal of Old Appliances Method of the NSW Energy Savings Scheme (ESS) operates, the eligibility requirements to use the method, and how to calculate energy savings. This guide should be used by:

- ▼ applicants who are seeking accreditation, to assist them in completing their application, and
- ▼ those persons already accredited (Accredited Certificate Providers), to assist them in accurately calculating energy savings for this method.

It includes Part B of the Removal of Old Appliances Application Package, which can be completed by applicants using the information provided in this guide.

2 Method overview

The Removal of Old Appliances Method provides a way to calculate and create Energy Savings Certificates (ESCs) reflecting the energy savings resulting from the removal of old, or spare, refrigerators and freezers that consume more electricity than new refrigerators and freezers.

The method provides an incentive to permanently remove old and inefficient appliances from residential and small business premises.

3 Method eligibility

A number of requirements must be met for the creation of ESCs using the Removal of Old Appliances Method, which are outlined below.

3.1 Energy saver

Only an eligible energy saver can create ESCs using the Removal of Old Appliances Method.

Energy saver by definition

Under the Removal of Old Appliances Method, the energy saver is the person who is contracted to remove the equipment (the **contractor**).

This means, that if you plan to use contractors from another company to perform the appliance (equipment) removal from the residential or small business premises, you must obtain nomination forms¹ from them that nominate you as the energy saver. There is no need to obtain nominations from your direct employees.

Becoming the energy saver through nomination

The contractor can nominate a third party as the energy saver by completing a nomination form, prior to the removal of the appliance(s). The nomination form is available in Appendix B of this guide.

3.2 Implementation and implementation date

Implementations (i.e. the removal of an old appliance) and implementation dates (date of the removal from the site) are used to determine the number of ESCs (if any) that can be created, and from when they can be created. In particular, where appliances are removed before the person who wishes to create ESCs is accredited as an ACP, no ESCs will be able to be created in respect of that removal.

Each site address is a different implementation under this method, and multiple eligible old appliances may be removed from a site. If they are removed on the same date they will be part of the same implementation.

3.3 Eligibility requirements

The appliance removal must be included in an activity definition in Schedule C of the ESS Rule (see Appendix C of this guide). Each activity definition defines a class of appliance that can be removed and the requirements the appliance must meet. The activity definitions are listed in Table 3.1 below.

Table 3.1 Eligible equipment types for Removal of Old Appliances

| Activity Definitions | Old Appliance Type |
|----------------------|--|
| C1 | Spare refrigerator or freezer – capacity of 200 L or greater |
| C2 | Primary refrigerator or freezer – capacity of 200 L or greater |

¹ See Appendix B of this guide.

3.3.1 Equipment requirements

Equipment requirements are specified under each activity definition. Generally the appliance must meet the appropriate Group classification under AS/NZS 4474², be in working order and be of 200 litre (L) capacity or more. For category C1, it must be a spare refrigerator or freezer, and the site must have another refrigerator or freezer providing primary refrigeration that is located in, or closer to the kitchen. For category C2, it must be the primary refrigerator or freezer.

The capacity requirement for 200 L or greater is intended to exclude bar fridges from this method. Most other refrigerators will have capacities greater than 200 L. For combined refrigerator/freezers the capacity includes both compartments. You must ensure each appliance you collect meets this size requirement.

From time to time we may also update this guide, which may include other evidence acceptable to the Scheme Administrator for the removal of the relevant refrigerators/freezers.

3.3.2 Activity requirements

The requirements for both removal activities (C1 and C2) from the ESS Rule are that:

- ▼ The site from which the appliance(s) is removed must be an eligible building. For activity C1, an eligible residential building, however for activity C2 both residential and small business buildings are eligible.
 - A “residential building” means a building classified by the Building Code of Australia (BCA) as a Class 1 or Class 2 building, and may include any non-habitable building on the same site.
 - A “small business building” means a building comprising total floor space less than 200 square metres and classified by the BCA as a Class 6 building.
- ▼ The appliance(s) being removed must meet the relevant equipment requirements of Section 3.3.1 and Appendix C of this guide.
- ▼ Each eligible appliance must be removed from the site and disposed of.
 - You must track each appliance from pick up to destruction with a unique identifier to ensure that each appliance picked up is disposed of correctly.
- ▼ The disposal agent must have a refrigerant handling licence.
 - This is to ensure that refrigerant gases from the disposed appliances are disposed of according to relevant legislation.

² Refer to Schedules C1 and C2 of the ESS Rule.

4 Calculating energy savings

The energy savings resulting from a removal are the sum of the deemed equipment energy savings for each old appliance being removed from that site³.

If a contractor removes multiple appliances in a single removal, all the appliances removed are treated as belonging to a common implementation (removal), and the energy savings for that implementation are the sum of the deemed equipment energy savings for each eligible appliance removed.

The deemed equipment energy savings are 5.7 MWh per category C1 appliance removed, and 2.4 MWh per category C2 appliance removed.

5 Creating ESCs

The **Evidence Manual Removal of Old Appliances** provides instructions on how to register ESCs from your Removal of Old Appliances implementations, and details the requirements for keeping records that verify the energy savings occurred.

The **Evidence Manual Removal of Old Appliances**⁴ and the **Evidence Package**⁵ that accompanies it are available on the ESS website.

6 Applying for Accreditation

A completed application tailored to this energy savings method is required for a person or organisation to become an Accredited Certificate Provider.

An application has multiple parts, which are explained in the **Application Guide**,⁶ which can be found on our website. As a minimum, you will have to provide:

- ▼ Part A: General details, available at http://www.ess.nsw.gov.au/How_to_apply_for_accreditation/Apply_for_accreditation
- ▼ Part B: Method details, which is found at Appendix A of this Guide.

³ As specified in equation 15 of the ESS Rule.

⁴ http://www.ess.nsw.gov.au/Methods_for_calculating_energy_savings/Removal_of_Old_Appliances

⁵ http://www.ess.nsw.gov.au/Methods_for_calculating_energy_savings/Removal_of_Old_Appliances

⁶ http://www.ess.nsw.gov.au/How_to_apply_for_accreditation

For a full explanation of the application process, please read the Application Guide.

7 Glossary

Table 7.1 Removal of Old Appliances Method Definitions

| Term | Definition |
|---------------------|--------------------------------------|
| ACP | Accredited Certificate Provider |
| Activity Definition | Refer Section 3.3 of this document |
| BCA | Building Code of Australia |
| Contractor | Refer Section 3.1 of this document |
| Disposal Agent | Refer Section 3.3.2 of this document |
| Energy Saver | Refer Section 3.1 of this document |
| ESC | Energy Savings Certificate |
| ESS | Energy Savings Scheme |
| ESS Rule | Energy Savings Scheme Rule of 2009 |
| Implementation | Refer Section 3.2 of this document |
| Implementation Date | Refer Section 3.2 of this document |
| Removal | Refer Section 3.2 of this document |



Appendices

A Application Form: Part B Removal of Old Appliances

Please complete this form, and provide it with any required supporting information and with your Application Part A7.

A.1 Method eligibility

A.1.1 Eligibility of energy saver

Please indicate if you will be:

The person contracted to remove the End User Equipment (EUE) (the energy saver) **Go to A 1.2**

Nominated as the energy saver by the contractor **See question below**

How will you obtain the nomination from the contractor and ensure the nomination is obtained prior to the Implementation Date?

Type your response here

A.1.2 Activity definitions

Which appliances are you removing as part of the Recognised Energy Saving Activity (RESA)?

Activity Definitions

Activity Definition C1 – Remove a spare refrigerator or freezer

Activity Definition C2 – Remove a primary refrigerator or freezer

A.1.3 Equipment eligibility

How will you ensure that the following requirements are met?

For Activity C1 – that there is another refrigerator or freezer providing primary refrigeration that is located in, or closer to the kitchen

For Activity C2 – that the appliance is a primary refrigerator or freezer

Type your response here

⁷ http://www.ess.nsw.gov.au/How_to_apply_for_accreditation

A.1.4 Building eligibility

How will you ensure that the building is an eligible building for removal of the appliance?

Type your response here

A.1.5 Removal requirements

How will you ensure that the removed appliances are not refurbished, re-used or resold?

Type your response here

A.1.6 Disposal requirements

Please attach a copy of your, or your disposal agent's handling licence and provide details on how you will ensure the disposal agent properly disposes of the removed appliance

Type your response here

Please explain how you will track each appliance from pick up to destruction

Type your response here

A.1.7 Determining the group of appliance

How will you determine the AS/NZS Group classification of the appliance to be removed?

Type your response here

A.1.8 Determining the size of the appliance

How will you determine the capacity of the appliance to be removed (in litres)?

Type your response here

A.1.9 Training

Please describe the training you will provide to your employees or contractors to enable them to correctly conduct the RESA to meet all the eligibility requirements.

Type your response here

A.2 Calculation of energy savings

A.2.1 Multiple removals in an implementation

How will you handle multiple appliances being removed at a single site?

Type your response here

A.2.2 Deemed equipment energy savings

How will you calculate the deemed energy savings for each appliance?

Type your response here

A.3 Implementation details

Do you have a full set of evidence for a completed project or implementation?

Yes*

No

* Note: As the project is implemented already, you will not be able to register ESCs for this implementation. Only projects implemented after you are accredited are eligible to create ESCs.

If **Yes**, please complete an **Evidence Pack**⁸ and submit it with your application. Ensure that you include all supporting evidence.

If **No**, once accredited, you will be required to provide a completed **Evidence Pack** and supporting evidence prior to the registration of ESCs.

⁸ http://www.ess.nsw.gov.au/Methods_for_calculating_energy_savings/Removal_of_Old_Appliances

B Nomination Form: Removal of Old Appliances

B.1 Contractor Nomination (Part A)

To be completed by the contractor making the nomination

Details of Person contracted to remove appliances

| | |
|--|-------------------------|
| Business name: | Type your response here |
| ABN: | Type your response here |
| Business Address: | Type your response here |
| Postal Address: | Type your response here |
| Phone Number: | Type your response here |
| Have you signed a nomination form for this activity in the past? | Type your response here |
| ▼ If yes, please provide a reason for the amended nomination form. | |

Declaration by authorised signatory:

I, [contractor name], nominate [Accredited Certificate Provider] as the Energy Saver for the removal of old appliances. This nomination is effective to entitle [Accredited Certificate Provider] to create and own all “Energy Savings” in respect of each old appliance I remove. I hereby declare that:

- ▼ I am an authorised signatory of the above entity
- ▼ The above entity is contracted to remove appliances
- ▼ I have received the contact details of the Accredited Certificate Provider named in Part B
- ▼ Except as set out above, I (and any person on behalf of whom I make this nomination) have not previously made another nomination in respect of the activity at this address under the Energy Savings Scheme (ESS)
- ▼ I agree to provide information regarding the removal of old appliances and provide reasonable access to the site to a representative of the Energy Savings Scheme or a member of the ESS Audit Services Panel, should it be required, and
- ▼ The information provided is complete and accurate and I am aware that there are penalties for providing false or misleading information in this form.

Note:

- ▼ Section 158 of the Electricity Supply Act 1995 imposes a maximum penalty of \$11,000 and/or six (6) months imprisonment for knowingly providing false or misleading information to the Scheme Administrator.
-

Signed by or on behalf of the person contracted to remove the appliances

Signature: Type your response here

Name of Signatory: Type your response here

Position: Type your response here

Date: Type your response here

B.2 Accredited Certificate Provider (Part B)

To be completed by the Accredited Certificate Provider receiving the nomination from the contractor named in Part A.

ACP Details

Name: Type your response here

Company Name: Type your response here

ABN/ACN: Type your response here

Postal Address: Type your response here

Phone Number: Type your response here

Declaration by authorised signatory

I hereby declare that:

- ▼ I am an authorised signatory of the Accredited Certificate Provider named above.
- ▼ The information contained in this form is correct and accurate.
- ▼ I am aware that there are penalties for providing false or misleading information in this form.

Note:

- ▼ Section 158 of the *Electricity Supply Act 1995* imposes a maximum penalty of \$11,000 and/or six (6) months imprisonment for knowingly providing false or misleading information to the Scheme Administrator
 - ▼ Section 138 of the *Electricity Supply Act 1995* imposes a maximum penalty of \$220,000 for failure to comply with a condition of accreditation and may additionally result in the suspension or cancellation of the Accredited Certificate Provider's accreditation under clause 95 of the *Electricity Supply (General) Regulation 2001*
-

Signed by or on behalf of the Accredited Certificate Provider

Signature: Type your response here

Name of Signatory: Type your response here

Position: Type your response here

Date: Type your response here

C Activity Definitions and Equipment Requirements

C.1 Activity Definition C1: Spare Refrigerator or Freezer

Activity Definition C1

Name of Activity

REMOVE A SPARE REFRIGERATOR OR FREEZER

Equipment Requirements

1. The Site where the End-User equipment is located must be a residential building.
2. The End-User Equipment must be a refrigerator or freezer (or combination) that may be classified as Group 1, 2, 3, 4, 5T, 5B, 5S, 6C, 6U or 7 according to *AS/NZS 4474.1:2007 and 4474.2:2009 Performance of household electrical appliances—Refrigerating appliances*.
3. The capacity of the refrigerator or freezer (as defined in AS/NZS 4474) must be 200 litres or more.
4. The refrigerator or freezer must be in working order.
5. There must be another refrigerator or freezer (as appropriate) at the site that provides primary refrigeration or freezing services, located in, or closer to, the kitchen.
6. As a result of the activity there must be 1 less spare refrigerators and freezers at the Site.

Equipment Energy Savings

Deemed Equipment Energy Savings = 5.7 MWh per spare refrigerator or freezer removed

Lifetime (for information purposes only)

Lifetime = 7 years.

C.2 Activity Definition C2: Primary Refrigerator or Freezer

Activity Definition C2

Name of Activity

REMOVE A PRIMARY REFRIGERATOR OR FREEZER

Equipment Requirements

1. The site where the End-User equipment is located must be a residential building or small business building.
2. The End-User equipment must be a refrigerator or freezer (or combination) that may be classified as Group 1, 2, 3, 4, 5T, 5B, 5S, 6C, 6U or 7 according to *AS/NZS 4474.1:2007 and 4474.2:2009 Performance of household electrical appliances—Refrigerating appliances*.
3. The capacity of the refrigerator or freezer (as defined in AS/NZS 4474) must be 200 litres or more.
4. The refrigerator or freezer must be in working order.
5. The activity may be carried out in combination with the delivery of a new refrigerator or freezer.

Equipment Energy Savings

Deemed Equipment Energy Savings = 2.4 MWh per primary refrigerator or freezer removed

Lifetime (for information purposes only)

Lifetime = 7 years.