



Reducing Demand Using Efficiency –
Peak Demand Savings Capacity

Method Guide

Version 1.2, April 2023

PDRS »

Acknowledgment of Country

IPART acknowledges the Traditional Custodians of the lands where we work and live. We pay respect to Elders both past and present.

We recognise the unique cultural and spiritual relationship and celebrate the contributions of First Nations peoples.

The Independent Pricing and Regulatory Tribunal (IPART)

The Independent Pricing and Regulatory Tribunal is the Scheme Administrator of the Peak Demand Reduction Scheme under clause 125 of Schedule 4A to the *Electricity Supply Act 1995*. In this Method Guide, a reference to the Scheme Administrator is a reference to IPART.

Further information on IPART can be obtained from [IPART's website](#).

Contents

About this document	1
Overview	1
Purpose	1
How to use this document	2
Acronyms and key concepts	2
Document control	2
Section 1.	3
General Information	3
1 About the PDRS	4
1.1 Overview	4
1.2 Policy context	5
1.3 Legislative context	5
1.4 Methods under the PDRS	6
1.5 Activities under the PDRS	6
1.6 Key stakeholders in the PDRS	8
2 About Peak Reduction Certificates	9
2.1 What is a PRC?	9
2.2 The lifecycle of PRCs	10
2.3 Vintage	11
2.4 Forward creation and vintage	12
2.5 Forward creation and PRC expiry	12
3 About the Peak Demand Savings Capacity Method	14
3.1 Overview	14
3.2 Purpose	14
3.3 Eligible activities	14
Section 2.	16
What you need to know to create PRCs under the PDRS	16
4 Become an ACP	17
4.1 Reasons to become an ACP	17
4.1 How to become an ACP	18
4.2 What you'll need to include in your application	18
5 Ensure you're the Capacity Holder	23
5.1 Determine whether you have the right to the capacity to reduce peak demand	23
5.2 How to become the Capacity Holder	24
5.3 Proving you're the Capacity Holder as at the Implementation Date	27
6 Implement the RPA in accordance with all requirements	29
6.1 Overview	29
6.2 You must comply with the requirements of the Relevant Legislation	30
6.3 You must comply with the requirements of the Activity Definition you're accredited for	34
6.4 You must comply with the requirements of your Accreditation Notice	37
6.5 Compliance Checklist	37

7	Calculate peak demand reduction capacity and PRCs	39
7.1	Timing of PRC creation	39
7.2	Calculation of PRCs	40
8	Next steps in the project cycle	43
8.1	You may need to have your RPA audited	43
8.2	Creating, transferring and surrendering PRCs	44
8.3	The market for PRCs	46
A	Acronyms and key concepts	48
A.1	Acronyms	48
A.2	Key concepts	49
B	Peak Demand Certificate calculations: Worked examples	50
B.1	HVAC1 – Install a new high efficiency air conditioner or replace an existing air conditioner with a high efficiency air conditioner	50
B.2	HVAC2 – Install a new high efficiency air conditioner or replace an existing air conditioner with a high efficiency air conditioner	51
B.3	WH1 – Replace one or more existing hot water boilers or water heaters with one or more air source heat pump water heaters	52
B.4	RF1 – Remove a spare refrigerator or freezer	53
B.5	RF2 – Replace an existing refrigerated cabinet with a new high efficiency refrigerated cabinet	54
B.6	SYS1 – Install a new high efficiency ventilation or refrigeration motor or replace an existing ventilation or refrigeration motor with a high efficiency ventilation or refrigeration motor	55
B.7	SYS2 – Replace an existing pool pump with a high efficiency pool pump	56

About this document

Overview

Accredited Certificate Providers (**ACPs**) operating under the Peak Demand Reduction Scheme (**PDRS**) will need to understand and comply with the requirements of the applicable legislation and the conditions in their Accreditation Notice when creating a Peak Reduction Certificate (**PRC**).

The Method Guide provides guidance about the general requirements for the PDRS and specific requirements of the Reducing Demand Using Efficiency (**RDUE**) sub-method. It also sets out key requirements that are referred to in the accreditation conditions.

This document should be used by:

- Applicants seeking accreditation as a certificate provider to assist them to:
 - understand what is involved in creating a PRC from an activity under the PDRS, and
 - complete their application for accreditation.
- PDRS Accredited Certificate Providers (**ACPs**) to assist them to understand and comply with their legislative requirements as well as their accreditation conditions when creating a PRC.
- Auditors to assist them in checking an ACP's compliance with PDRS requirements.

Purpose

The Method Guide has two main purposes. First, it provides general guidance about the PDRS and the RDUE Method. Second, it contains requirements referenced in an ACP's Accreditation Notice^a about customer engagement and representatives as well as the Scheme Administrator's record keeping requirements.

The Method Guide is not legal advice. Applicants and ACPs should read and familiarise themselves with the regulatory framework for participating in the PDRS contained in the applicable legislation:

- Schedule 4A, Part 2 of the *Electricity Supply Act 1995*
- Part 7 of the *Electricity Supply (General) Regulation 2014*, and
- the *Peak Demand Reduction Scheme Rule of 2022*.

ACPs must comply with the applicable legislation and their accreditation conditions when undertaking an activity to create PRCs or face significant penalties.¹

^a If you're accredited as an ACP, you'll be issued with an Accreditation Notice that sets out the activities for which you're accredited and your accreditation conditions.

How to use this document

This document is split into two sections:

- Section 1 - general information about the PDRS
- Section 2 - what you need to know about designing and implementing an activity under the PDRS (with a specific focus on the RDUE method).

Acronyms and key concepts

Appendix A sets out a list of the acronyms referred to in this document as well as a short explanation of key concepts used in the PDRS.

Document control

Version number	Change description	Date published
V1.0	First published	14 October 2022
V1.1	Updated for changes to activity definition SYS1 and clause 7.3.7(a) of the PDRS Rule commencing 17 February 2023	20 February 2023
V1.2	Updated to clarify equivalent ESS activities related to water heaters	26 April 2023

Section 1. >>

General Information

This section provides an overview of the PDRS and introduces key concepts of the Peak Demand Savings Capacity Method

01

1 About the PDRS

This chapter introduces the Peak Demand Reduction Scheme (**PDRS**), its policy and legislative context and sets out the roles and responsibilities of key stakeholders in the scheme.

Key points

- The PDRS is one of the schemes under the Energy Security Safeguard.
- The PDRS aims to increase peak demand reduction capacity during hours of peak demand.
- ACPs can design and implement a Recognised Peak Activity under the PDRS and create Peak Reduction Certificates.
- IPART is appointed as the administrator and regulator of the PDRS. We monitor an ACP's compliance with its requirements and have regard to the outcome of reasonable assurance audits that are conducted independent of ACPs.

1.1 Overview

The PDRS was established to reduce peak electricity demand and pressure on the electricity system in NSW. This is important because reducing peak demand minimises the risk of blackouts or price spikes during hot summer days when electricity usage can suddenly increase, and demand is at its highest.

The PDRS works by providing financial incentives for households and businesses to implement activities that create "peak demand reduction capacity" (i.e. activities that reduce demand for electricity during the period between 2.30pm to 8.30pm Australian Eastern Standard Time (**AEST**) from 1 November to 31 March). These incentives are passed on to households and businesses by Accredited Certificate Providers (**ACPs**) that can create tradeable certificates, called Peak Reduction Certificates (**PRCs**), from the activity.

Liability electricity retailers and other Scheme Participants have a legislative obligation to buy and surrender PRCs every year to meet their obligations under the PDRS.

1.2 Policy context

The PDRS is one of the schemes under the Energy Security Safeguard (**Safeguard**)^a. The object of the Safeguard is to improve the affordability, reliability and sustainability of energy through the creation of financial incentives encouraging “energy saving activities” and in the case of the PDRS, create “peak demand reduction capacity”.²

The Safeguard is part of the NSW Government's Electricity Strategy and is one of the ways the NSW Government intends to deliver on its Net Zero Plan^b. The PDRS also contributes to NSW by improving the reliability of its electricity system and helps households and businesses in NSW save money on their electricity bills.

The Office of Energy and Climate Change (**OECC**) is responsible for developing the policy and legislation underpinning the Safeguard.

1.3 Legislative context

The PDRS has been established under Part 2 of Schedule 4A of the *Electricity Supply Act 1995* (**Act**). The Act sets out the legal framework of the PDRS. The *Electricity Supply (General) Regulation 2014*, made under the Act, sets out in greater detail IPART's responsibilities as the Scheme Administrator and Scheme Regulator of the scheme, including matters related to:

- the accreditation of certificate providers
- accreditation conditions
- PRCs, and
- audits.

The *Peak Demand Reduction Scheme Rule of 2022* (**PDRS Rule**), also made under the Act, sets out the requirements for creating PRCs from activities under the PDRS.

You should make sure you are familiar with the requirements of the legislation and your accreditation conditions as well as the information contained in this Method Guide.

^a The other schemes under the Safeguard include the Energy Savings Scheme (**ESS**) and the Renewable Fuel Scheme (**RFS**) (under development).

^b The Net Zero Plan Stage 1: 2020-2030 is the foundation for NSW's action on climate change and goal to reach net zero emissions by 2050.

1.4 Methods under the PDRS

The PDRS sets out calculation methods for determining the number of PRCs that can be created from eligible activities. Currently, one calculation sub-method has been developed under the Peak Demand Savings Capacity Method – the Reducing Demand Using Efficiency sub-method (**RDUE Method**).

The PDRS will be expanded to include two additional methods:

- the Peak Demand Shifting Method to incentivise shifting electricity use from peak times, and
- the Peak Demand Response Method to incentivise the active control of appliances during peak times.

OECC will develop these methods in the future.

1.5 Activities under the PDRS

An activity under the PDRS is called a Recognised Peak Activity (**RPA**).

Under the RDUE Method, an RPA is an activity that provides capacity to reduce electricity use during the time of peak electricity demand.³ This time is between 2.30pm and 8.30pm AEST (this is equivalent to 3.30pm – 9.30pm Australian Eastern Daylight Time) between 1 November and 31 March.⁴

The Activities in the RDUE Method correspond to seven activities already in the Energy Savings Scheme (**ESS**) (see Table 3.1).

Successful implementations of one of these activities could be used to create:

- Energy Savings Certificates (**ESCs**) in respect of the energy savings that occur throughout the year, and
- PRCs from the peak demand reduction capacity made available during the summer months.

1.5.1 Eligible activities

Under the PDRS, you can design and implement an RPA that:

- involves one or more of the activities that you're accredited for (these are called [Activity Definitions](#))⁵
- involves one or more items of [End-User Equipment \(EUE\)](#) covered by the RDUE Method Activity Definitions,⁶ or
- is comprised of multiple implementations with the same or different [Implementation Dates](#).⁷

1.5.2 Ineligible activities

There are certain circumstances where an activity is not an RPA, even if you meet all the requirements of an [Activity Definition](#) under the PDRS.⁸ These circumstances include where the activity:

- results in the creation of Peak Demand Reduction Capacity by reducing safety levels or permanently reducing production or service levels^c
- contributes to a net increase in greenhouse gas emissions
- is done to comply with any mandatory legal requirements (except for alterations, enlargements or extensions of a BASIX affected development)^d
- is a standard control service or prescribed transmission service by a network service provider, except if the activity is a non-network option,^e or
- is eligible to create tradeable certificates under the *Renewable Energy (Electricity) Act 2000* (Cth) (except if the activity is the installation of a replacement heat pump water heater such as Activity Definition WH1).

1.5.3 RPA design and implementation steps

Steps involved in the design and implementation of an RPA, include:

- becoming an ACP
- ensuring you're the [Capacity Holder](#)
- implementing the RPA in accordance with:
 - legislative requirements
 - the specific requirements of the [Activity Definition](#), and
 - your accreditation conditions.
- calculating peak demand reduction capacity and PRCs in accordance with the methodology in the PDRS Rule
- auditing PRCs that haven't been registered, and
- registering PRCs and auditing PRCs that have been registered.

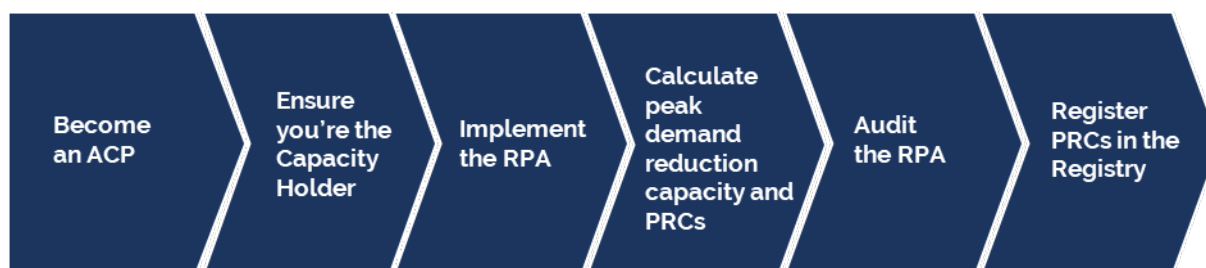
These steps, and the requirements of ACPs under the PDRS and RDUE Method, are detailed in Section 2 of the Method Guide.

^c The temporary reduction of production or service levels during the period where peak demand reduction capacity is created by the RPA is not considered "permanent" in this context.

^d As defined in Clause 3(1)(c) of the *Environmental Planning and Assessment Regulation 2021*.

^e A standard control services, prescribed transmission service and non-network option are defined in the National Electricity Rules under the National Electricity (NSW) law, which govern the operation of the National Electricity Market.

Figure 1.1 Project steps



1.6 Key stakeholders in the PDRS

The key stakeholders in the PDRS are summarised in Table 1.1.

Table 1.1 Key stakeholders

Stakeholder	Role
Office of Energy and Climate Change	OECC is part of the NSW Treasury Cluster and is responsible for developing the policy and legislation underpinning the Safeguard. We work closely with OECC to implement the legislation to achieve the policy objectives.
IPART	Our role is to administer the Safeguard and regulate ACPs and Scheme Participants. We accredit you to participate in the PDRS and monitor compliance with your obligations to help ensure each PRC reflects genuine peak demand reduction capacity. We have established and manage the Registry of Certificates where PRC creation, transfer and surrender are tracked. We do not regulate how you buy and sell PRCs in the market.
Auditors	We use auditors (that you must engage from our Audit Services Panel ^f), to conduct reasonable assurance audits to check you have complied with all requirements of designing and implementing an RPA and creating PRCs.
ACPs	ACPs are participants in the PDRS who can implement RPAs and create PRCs.
Scheme Participants	Scheme Participants are mainly energy retailers and distributors that have a legislative obligation to buy PRCs to meet their individual certificate target.
Households and businesses	Customers are households and businesses that participate in the PDRS by undertaking activities that lead to increases in peak demand reduction capacity. The activities must be an Activity Definition under the PDRS Rule. A household or business can't create PRCs unless it is an ACP.

Figure 1.2 PDRS stakeholders



^f Members of the Audit Panel are listed on our [website](#).

2 About Peak Reduction Certificates

This chapter explains what Peak Reduction Certificates (**PRCs**) are, including concepts related to their lifecycle and vintage.

Key points

- PRCs are tradeable instruments and are the “currency” of the PDRS.
- One PRC equals 0.1kW of peak demand reduction capacity over one hour.
- PRCs have a lifecycle that includes three status types: active, cancelled or expired.
- Each PRC is allocated a vintage year related to the compliance period in which the capacity to reduce peak demand was first made available.
- PRCs expire after three years from the beginning of the compliance period during which the capacity is first made available.

2.1 What is a PRC?

PRCs are the “currency” of the Peak Demand Reduction Scheme (**PDRS**) and can be bought and sold in the market.⁹ The market for the trade of PRCs is created by the obligation of Scheme Participants (typically electricity retailers) to surrender PRCs to us.

PRCs are created from eligible activities that make peak demand reduction capacity available during a compliance period between 1 November and 31 March. Peak demand reduction capacity is measured in kilowatts (kW).

One PRC is equivalent to 0.1 kW of peak demand reduction capacity averaged over one hour between 2.30pm and 8.30pm Australian Eastern Standard Time (**AEST**)^h on one day in the compliance period (1 November – 31 March).⁹

The number of certificates that can be calculated from an implementation is based on the:

- reduction capacity averaged over **one** hour
- in each of the **6 hours** between 2.30pm and 8.30pm AEST
- on **one** day within the compliance period.

⁹ IPART, as the Scheme Administrator and Scheme Regulator, does not regulate how ACPs buy or sell PRCs once created. The commercial arrangements of buying and selling PRCs is a matter for an ACP.

^h Australia Eastern Standard Time (AEST). This is equivalent to 3.30pm – 9.30pm Australian Eastern Daylight Time.



Example

On 1 September 2022, an ACP implemented an activity under the PDRS.

The activity created the capacity to reduce demand for electricity by an average of **0.2kW** for each of the **6 hours** of peak demand reduction between 2.30pm and 8.30pm AEST.

The activity is eligible to create **12 PRCs** (i.e. 0.2kW x 6 hours x 10) for the 2022-2023 compliance period and for each subsequent year for the lifetime of the implementation.

See paragraph 7.2 and Appendix B for an explanation about how PRCs are calculated for each Activity Definition including the application of a Network Loss Factor to calculate PRCs.

2.2 The lifecycle of PRCs

PRCs have a lifecycle which includes three status types recorded in the Registry of Certificates:

- **Active** - PRCs are tradeable and can be surrendered to meet an obligation
- **Cancelled** - PRCs are no longer tradeable
- **Expired** - PRCs are not tradeable and cannot be surrendered against an obligation.

2.2.1 Active PRCs

Under the PDRS, a PRC is active from the day it is registered in the Registry of Certificates until it is cancelled, or it expires.¹⁰

2.2.2 Cancelled PRCs

PRCs are primarily surrendered by Scheme Participants to meet their individual certificate target for a compliance period. However, ACPs can be required to surrender PRCs if the Scheme Administrator is satisfied that they have been improperly created.¹¹ PRCs can also be surrendered voluntarily.

Once the Scheme Regulator has accepted the surrender of a PRC, the PRC is cancelled.

2.2.3 Expired PRCs

PRCs have a lifespan of up to three compliance periods unless sooner cancelled.

This is different from the Energy Savings Scheme (**ESS**), where Energy Savings Certificates (**ESCs**) remain in force until the end of the scheme or until they are surrendered. See paragraph 2.5.

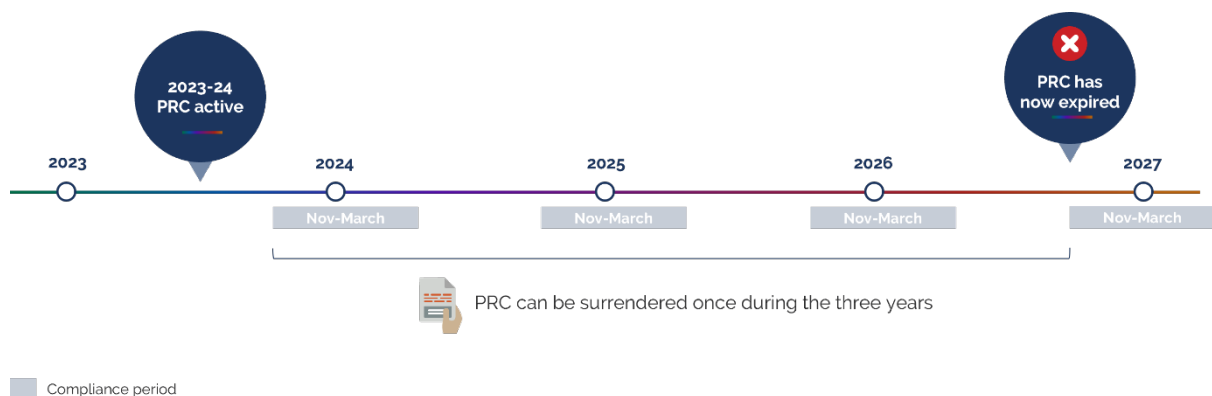
An example of where PRCs may be cancelled by the Scheme Administrator includes where they are surrendered by a Scheme Participant.¹²



Example

Using the example above, the 12 PRCs created for the 2022-2023 compliance period are in force until 31 March 2025.

Figure 2.1 PRC lifecycle



2.3 Vintage

Each PRC is allocated a vintage year related to the compliance period in which the capacity to reduce peak demand was first made available. ACPs can only create one PRC for every 0.1kW of peak demand reduction capacity generated in a compliance period.¹³

Any implementation occurring between 1 April one year and 31 March of the year after will create PRCs of the year after's vintage. This is because the capacity from such an implementation is made available for the first time in the 1 November – 31 March compliance period.



Example

The 12 PRCs created from PDRS activity above had an implementation date of 1 September 2022. Peak demand reduction capacity from the installation was first made available in the 2022-2023 compliance period (1 November 2022 – 31 March 2023). These PRCs will be 2023 vintage PRCs.

2.4 Forward creation and vintage

Under the Peak Demand Savings Capacity Method, PRCs can be created upfront for the lifetime of an implementation. Unlike the ESS, the PRCs created upfront do not have the same vintage.

Vintage under the PDRS is linked to when the capacity is made available in each compliance period. This means that where an activity has a lifetime of 10 years it will result in PRCs being generated in each of the 10 years. The PRCs will have 10 different vintages.

All PRCs created upfront including those with future vintages will be active from registration and can be both traded and surrendered to meet an obligation under the PDRS.



Example

The implementation example above has a lifetime of 10 years. Each year the activity creates peak reduction capacity equivalent to **12 PRCs** starting in the 2022-23 compliance period and ending in the 2031-32 compliance period.

This results in the generation of a total of **120 PRCs** over the 10-year lifetime of the activity. That is 12 PRCs in each of 10 vintages starting with **2023 vintage** and ending in **2032 vintage**.

120 PRCs can be registered upfront for the implementation. All PRCs are active and can be traded and surrendered.

2.5 Forward creation and PRC expiry

Creating PRCs upfront and making them all active has consequences for PRC expiry.

PRCs expire at the end of the third compliance period after the beginning of the compliance period during which the capacity is first made available, unless sooner cancelled.

Future vintage PRC capacity is first made available in their vintage year. For example, a 2027 vintage PRC has capacity made available from 1 November 2026 – 31 March 2027. However, if that PRC is registered in 2023, it can be traded and surrendered from its registration date in 2023. This effectively increases the life of that PRC from 3 compliance periods to 7 compliance periods because it can be surrendered in any one of the years between 2023 (year of registration) and 2029 (year of expiry - 3 years after the beginning of the 2026 compliance period).

The example below sets out how upfront or forward creation impacts on PRC expiry.



Example

The example above, implemented on 1 September 2022, creates 120 PRCs spread across its lifetime of 10 years, with 12 PRCs for each year, from **2023 vintage** to **2032 vintage** inclusive. All PRCs are active from registration in the 2023 compliance period.

Compliance period capacity made available (1 Nov – 31 March)	Number of PRCs	Vintage	PRC expiry	Number of compliance periods active
2022- 2023	12	2023	31 March 2025	3 (22-23, 23-24, 24-25)
2023-2024	12	2024	31 March 2026	4 (above plus 25-26)
2024-2025	12	2025	31 March 2027	5 (above plus 26-27)
2025-2026	12	2026	31 March 2028	6 (above plus 27-28)
2026-2027	12	2027	31 March 2029	7 (above plus 28-29)
2027-2028	12	2028	31 March 2030	8 (above plus 29-30)
2028-2029	12	2029	31 March 2031	9 (above plus 30-31)
2029-2030	12	2030	31 March 2032	10 (above plus 31-32)
2030-2031	12	2031	31 March 2033	11 (above plus 32-33)
2031-2032	12	2032	31 March 2034	12 (above plus 33-34)

3 About the Peak Demand Savings Capacity Method

This chapter introduces the Peak Demand Savings Capacity Method, which is currently the only method available under the Peak Demand Reduction Scheme (**PDRS**). The Reducing Demand Using Efficiency Method (**RDUE Method**) is a sub-method under the Peak Demand Savings Capacity Method.

Key points

- The RDUE Method under the Peak Demand Savings Capacity Method is currently the only method made under the PDRS.
- Under the RDUE Method there are seven eligible activities, which correspond to existing activities in the ESS.

3.1 Overview

The Peak Demand Savings Capacity Method is one of three methods that will operate under the PDRS.

The Peak Demand Savings Capacity Method is comprised of two sub-methods:

- RDUE Method¹⁴
- Measured Peak Demand Savings sub-method (under development).

3.2 Purpose

The purpose of the RDUE Method is to incentivise activities that reduce electricity demand during peak times by using energy more efficiently.

3.3 Eligible activities

There are seven types of activity, called "[Activity Definitions](#)", that you can carry out under the RDUE Method (see Table 3.1).

These seven activities:

- correspond with activities in the Energy Savings Scheme (**ESS**), and
- address electricity loads that are likely to be present on the National Electricity Marketⁱ during peak times.

Table 3.1 ESS and PDRS activity references

End-User Equipment	ESS Activity Definition	ESS Method	PDRS Activity Definition	Name of Activity
Residential air conditioners	D16	Home Energy Efficiency Retrofits	HVAC1	Install a new high efficiency air conditioner or replace an existing air conditioner with a high efficiency air conditioner
Commercial air conditioners	F4	Installation of High Efficiency Appliances for Business	HVAC2	Install a new high efficiency air conditioner or replace an existing air conditioner with a high efficiency air conditioner
Heat pump water heaters	F16/D17 ^a	Installation of High Efficiency Appliances for Business / Home Energy Efficiency Retrofits	WH1	Replace one or more existing hot water boilers or water heaters with one or more air source heat pump water heater systems
Non-primary refrigerators and freezers	C1	Removal of Old Appliances	RF1	Remove a spare refrigerator or freezer
Refrigerated cabinets	F1.2	Installation of High Efficiency Appliances for Business	RF2	Replace an existing refrigerated cabinet with a new high efficiency refrigerated cabinet
Motors (refrigeration and ventilation)	F7	Installation of High Efficiency Appliances for Business	SYS1	Install a new high efficiency ventilation or refrigeration motor or replace an existing ventilation or refrigeration motor with a high efficiency ventilation or refrigeration motor
Residential pool pumps	D5	Home Energy Efficiency Retrofits	SYS2	Replace an existing pool pump with a high efficiency pool pump

a. Under the PDRS Rule, PRCs cannot be generated from heat pump water heaters installed in a BCA Class 1 or 4 building. This means that implementations undertaken under the corresponding ESS Activity Definition D17 in these buildings types cannot be used to create PRCs.

ⁱ The National Electricity Market is an interconnected power system connecting regional market jurisdictions for the wholesale supply and purchase of electricity.

Section 2. >>

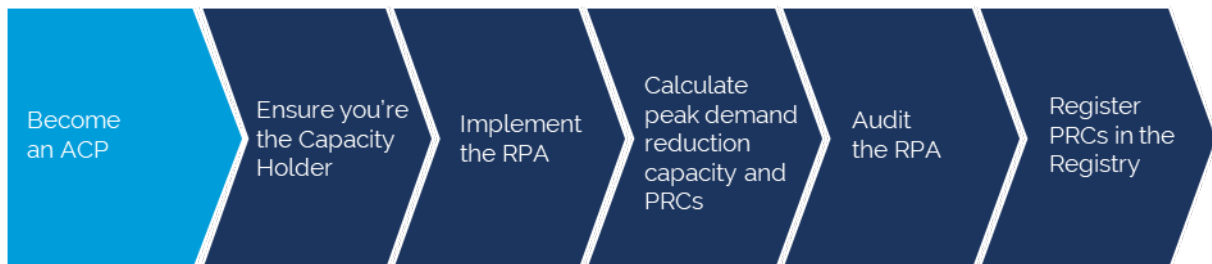
What you need to know to create PRCs under the PDRS

Following a typical RPA project cycle, this section sets out the things you must do to create PRCs under the RDUE Method

02

4 Become an ACP

IPART is responsible for accrediting Accredited Certificate Providers (**ACPs**). This chapter explains when you may want to consider becoming an ACP under the Peak Demand Reduction Scheme (**PDRS**) and what you'll need to include in your application.



Key points

- IPART is responsible for accrediting ACPs.
- Anyone can undertake an RPA, but you must be an ACP if you want to create PRCs.
- Consider becoming an ACP if you want to create PRCs from projects involving applicable equipment.
- If you're already accredited in the ESS, you must also be accredited in the PDRS if you want to create PRCs.
- You'll need to include in your application information about how you collect and keep records, manage your customer engagement and representatives, and prove that you have the right insurance in place.

4.1 Reasons to become an ACP

While anyone can design and implement a Recognised Peak Activity (**RPA**), you can only create Peak Reduction Certificates (**PRCs**) if you're an ACP.¹⁵

You may wish to consider accreditation under the PDRS if you're:

- already accredited under the Energy Savings Scheme (**ESS**) for the corresponding [Activity Definition](#) (Table 3.1)
- in the business of regularly installing or replacing [End-User Equipment \(EUE\)](#) covered by one or more of the Activity Definitions, or
- a project developer that wants to work with businesses that install or replace EUE covered by one or more of the Activity Definitions.

If you are implementing a small or one-off project or if your business doesn't have the capacity to meet PDRS requirements, you could consider working with an existing ACP who could create PRCs on your behalf.

4.1 How to become an ACP

Applicants can apply to become an ACP under the PDRS in three ways:

- by using the full PDRS application pathway
- by first applying for ESS accreditation for the corresponding methods and activity definitions, then accessing the streamlined PDRS application pathway once you are ESS accredited, or
- by using a streamlined accreditation application process to become an ACP under the PDRS if you're already accredited under the ESS for the corresponding Activity Definition.

You can find more information about the different pathways to become accredited as well as our Application for Accreditation Guide on our website.^a

4.2 What you'll need to include in your application

In your application, you will need to demonstrate that:

- you have appropriate processes and procedures in place for:
 - record keeping, quality assurance and a document register
 - customer engagement and complaints handling
 - engagement, management and training of representatives
- your representatives (as appropriate) hold public liability insurance of at least \$5 million covering the replacement and/or rectification of a customers' property damaged as a result of work performed by the person, and/or
- your representatives (as appropriate) hold product liability insurance of at least \$5 million covering all products used in the RPA.

In addition, if you are applying to be accredited for HVAC1 and/or SYS2, you must have a documented risk management policy and risk register for each activity.

Compliance with these requirements will be audited in accordance with the audit requirements in your Accreditation Notice (see paragraph 8.1). If your processes and procedure are not effective, we may require them to be changed.

^a The [Application for Accreditation Guide](#) provides guidance on how to apply for accreditation as an ACP, how we communicate during the application process and the types of accreditation conditions that may be set.

4.2.1 Record keeping procedure, quality assurance procedure and a document register

When you apply to become accredited as an ACP, you'll need to show us that you have a documented record keeping procedure, quality assurance procedure and a document register. The information that must be contained in these documents is contained in Table 4.1.

Effective record keeping is important because incorrect or inadequate collection of documents (i.e. to prove you have met a requirement) may lead to non-compliance with the applicable legislation or your accreditation conditions and may result in you improperly creating PRCs.

The record keeping requirements for ACPs in the PDRS are the same as in the ESS.

Table 4.1 Method Guide Record Keeping Requirements

Document required	Description of requirements
Record Keeping Procedure	<ul style="list-style-type: none"> • Details of the step-by-step process of how each document will be obtained, processed, maintained and controlled • The position(s) of the person(s) responsible for each of these steps • A description of where the document will be sourced and how it's identified and recorded (within the relevant information system(s)) • How each document you're responsible for generating will be created, approved and updated • Details of any information systems, databases, and/or spreadsheets used to collate, manage or store documents • Types of documents that will be listed in the document register • How each document in the document register will be identified (via record identification/naming protocols) and where each record is located • The position of the person responsible for each type of record in the document register • Processes for archiving and retrieving documents • A description of how long documents will be retained for (you must keep appropriate records of each RPA for at least 6 years after the record is made)¹⁶
Quality Assurance Procedure	<ul style="list-style-type: none"> • The version control procedures in place for each record • Details of any internal audit and reconciliation procedures you have developed to support your record keeping • The procedure for checking peak demand reduction capacity calculations prior to creation and registration of PRCs • The position of the person(s) who is responsible for performing these actions
Document Register	<p>You must keep a register of the documents that you need to collect and retain to prove you have met all the requirements to create a PRC. However, at a minimum they should include documents to prove:</p> <ul style="list-style-type: none"> • the person undertaking the RPA holds the correct insurance (see Table 4.4) • you're the Capacity Holder for the RPA (see Table 5.2) • the location of the RPA is in New South Wales (see Table 6.1) • if applicable, that the RPA is conducted at a residential or small business site (see Table 6.2) • if applicable, that you have disposed of the replaced/removed EUE (see Table 6.3) • that you have met the eligibility, equipment and implementation requirements of the applicable Activity Definition (see Table 6.4, Table 6.5 and Table 6.6) • you have met the conditions of your accreditation, including the Method Guide Record Keeping Requirements, Method Guide Customer Engagement Requirements and Method Guide Representative Requirements • the Implementation Date of each RPA (see paragraph 5.3.2) • the methodology, data and assumptions that you used to calculate peak demand reduction capacity and PRCs (see Chapter 7)

4.2.2 Customer engagement and complaints handling

Customer engagement is important because if you become an ACP, you and your representatives will be the public face of the PDRS and interact with customers in a range of ways, including:

- marketing PDRS activities
- conducting initial designs and assessment for an activity
- providing quotes
- installing, replacing or removing EUE
- obtaining required documentation (e.g. nomination), and
- providing appropriate after sales customer service.

You must have a documented customer engagement and complaints handling procedure that shows how you will meet the Method Guide Customer Engagement Requirements contained in Table 4.2.

Table 4.2 Method Guide Customer Engagement Requirements

Document required	Requirements
You must have documented processes and procedures in place for customer engagement	<ul style="list-style-type: none"> • You must identify yourself as the ACP (or in the case of the representative, identify that they are representing you as the ACP) in all forms of communication • You must provide the customer with your contact details as the ACP • You must not identify yourself as a representative of the ESS, PDRS, IPART or the NSW Government • Before commencing any work, you or your representative must explain to the customer information about the PDRS, including <ul style="list-style-type: none"> - how the PDRS works and providing relevant fact sheets, that the customer should read and understand^b - the contents and function of the Nomination Form and providing a copy to the customer - any mandatory requirements that must be met (e.g. removal of old equipment) - that IPART auditors may request information about the activity • Before or during installation of the EUE, your or your representative must ensure that the customer understands the EUE, including: <ul style="list-style-type: none"> - providing details of the make, model and electrical characteristics of the EUE - explaining and demonstrating the features, installation work and process of installation
You must have documented processes and procedures in place for complaints handling	<p>You must tell the customer about the after sales assistance and support you will provide, including:</p> <ul style="list-style-type: none"> • providing a contact number and complaints resolution process to the customer • the process you have for managing and resolving complaints • ensuring that the customer is satisfied with the product(s) as installed • providing a mechanism for replacement of faulty EUE

^b Some Activity Definitions (HVAC1 and SYS2) may require a fact sheet to be provided to the customer (i.e. for the corresponding ESS activity).

4.2.3 Engagement, management and training of representatives

If you become an ACP under the PDRS you'll be responsible for the conduct of your representatives. You must ensure they represent you in a way that maintains compliance with the requirements of the PDRS, protects the interests of customers as well as the integrity and reputation of the PDRS.

Table 4.3 Method Guide Representative Requirements

Topic	Requirements
Documented procedure	You must have a documented procedure in place that shows how you will meet the Method Guide Representative Requirements.
Effective control	<p>You must ensure that you have effective control over any person undertaking the RPA on your behalf. This includes all activities in the promotion and delivery of the RPA.</p> <p>Note: You will have the most effective control over your representatives if you have a legal contract with them before they conduct any activities on your behalf. We will hold you accountable for non-compliance with PDRS requirements regardless of any contract in place.</p>
Compliance with the law	You must ensure that you and any person undertaking the RPA on your behalf complies with all legislation that relates to the delivery of the RPA. This includes, without limitation, the <i>Ozone Protection and Synthetic Greenhouse Gas Management Act 1989</i> (Cth), the <i>Work Health and Safety Act 2011</i> , the <i>Home Building Act 1989</i> and the <i>Fair Trading Act 1987</i> .
Record keeping	<p>You must maintain a register of all representatives conducting activities for each RPA. The register must contain the following information:</p> <ul style="list-style-type: none"> • name • contact details • relationship to you (e.g. employee, contractor or business partner) • training completed for the PDRS, including date • other relevant training completed (e.g. WHS), including date • formal qualifications. Licenses and certifications (e.g. electrician), including registration/licence numbers • date of employment/commencement • details of any delegated responsibility for processes and tasks involved in designing and implementing the RPA • sites where the representative will act on your behalf
Training and support	<p>You must regularly train your representatives to understand:</p> <ul style="list-style-type: none"> • how the PDRS works, including its legislative framework • the RPAs you're undertaking • your internal procedures, especially those regarding collecting documentation to evidence that requirements have been met • the Method Guide Record Keeping Requirements and the Method Guide Customer Engagement Requirements. • other obligations they must comply with in addition to the PDRS (e.g. Australian consumer laws and/or occupational work, health and safety laws).

4.2.4 Insurance and accreditation

When you apply to become accredited as an ACP, you'll need to show us evidence that the person undertaking the RPA (i.e. you and/or your representative) holds:

- public liability insurance of at least \$5 million, covering the replacement and/or rectification of a customers' property damaged as a result of work performed by the person
- product liability insurance of at least \$5 million, covering all products used in the RPA.

You will need to maintain these insurance policies for the life of the RPA. Compliance with this requirement will be audited in accordance with the audit requirements in your Accreditation Notice (see paragraph 8.1).

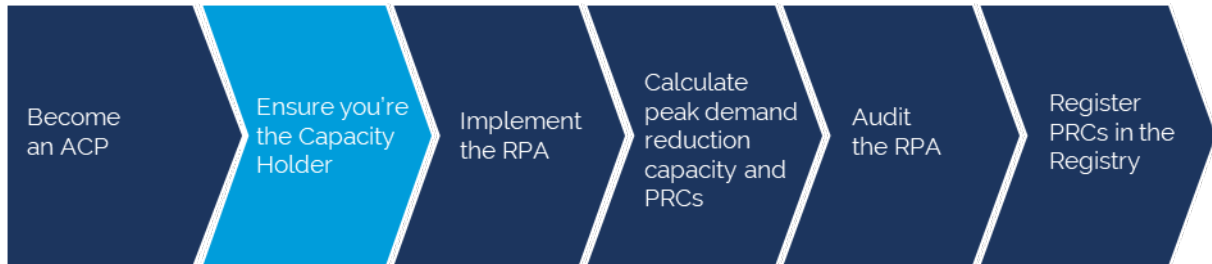
Examples of the types of documents you can collect to prove you have met this requirement is contained in Table 4.4.

Table 4.4 Examples of evidence that may prove you and your representatives hold insurance

Requirement	Source of requirement	Examples of evidence that may prove requirement is met
That you and/or your representative holds public liability insurance of at least \$5 million	Accreditation notice	Policy document Certificate of currency Letter from insurance company
That you and/or your representative holds product liability insurance of at least \$5 million	Accreditation notice	Policy document Certificate of currency Letter from insurance company

5 Ensure you're the Capacity Holder

This chapter explains the concept of a Capacity Holder under the Peak Demand Reduction Scheme (**PDRS**) and what you must do to become the Capacity Holder for an RPA.



Key points

- A Capacity Holder is the person that has the right to the capacity to reduce demand.
- A Capacity Holder can nominate their rights to an ACP using the Nomination Form.
- In some circumstances where you're the Energy Saver for an activity under the ESS, you can be deemed to be the Capacity Holder for the corresponding activity under the PDRS.
- You must collect and keep evidence to prove you're the Capacity Holder for each RPA.

5.1 Determine whether you have the right to the capacity to reduce peak demand

To create PRCs you must be the person with the right to the capacity to reduce peak demand. Under the PDRS, this person is called the "Capacity Holder". The concept of Capacity Holder is like the concept of "Energy Saver" under the Energy Savings Scheme (**ESS**).

The person that is the Capacity Holder for each [Activity Definition](#) is defined under the PDRS Rule. The Capacity Holder is determined as at the [Implementation Date](#).¹⁷

For all Activity Definitions except RF1, the Capacity Holder is the "Purchaser". Generally, you're the Purchaser if you buy or lease the goods or services that lead to the reduction in electricity demand during the peak period.¹⁸

In most cases, you can't be the Purchaser if:

- you're an ACP and aren't the owner, occupier or operator of the site; or
- you purchase or lease the goods or services for the purpose of reselling the equipment.^c

For Activity Definition RF1, *Remove a spare refrigerator or freezer*, the Capacity Holder is the person that is contracted to remove the spare refrigerator or freezer.



Example

For activities under HVAC1, *Install a new high efficiency air conditioner or replace an existing air conditioner with a high efficiency air conditioner*, the Purchaser is typically the owner or occupier of the residence or small business that is installing the new high efficiency air conditioner.

The Purchaser cannot be a person that paid for the installation of the new high efficiency air conditioner if that person does not own, occupy or operate the site. Similarly, the Purchaser cannot be a small business that intends to resell the high efficiency air conditioner to a third-party.

5.2 How to become the Capacity Holder

5.2.1 Nomination as the Capacity Holder

If you're not the Capacity Holder for an RPA, you'll need to be nominated on or before the Implementation Date of the project.^d This nomination process can occur more than once provided the previous nomination has been revoked before the Implementation Date.

For all [Activity Definitions](#) except RF1, the Implementation Date is the date the End-User Equipment (**EUE**) is installed.¹⁹ For RF1, the Implementation Date is the date the EUE is removed from the site.²⁰ In both cases the Implementation Date is the date that all work is done for the installation or removal.

^c Unless the resale of the equipment is included as part of a property sale. See Clause 10 of the *Peak Demand Reduction Scheme Rule of 2022*

^d The nominee must not have withdrawn its consent before the Implementation Date. Clause 4.1(b) of the *Peak Demand Reduction Scheme Rule of 2022*



Example

An ACP is accredited for Activity Definitions HVAC1 (residential air conditioning) and SYS2 (residential pool pumps).

The ACP installs a high efficiency air conditioner at a residential property in NSW on 15 November 2022.

The ACP returns two weeks later, on 6 December 2022, to install a new high efficiency pool pump at the same residence. The ACP can't complete the entire installation on 6 December and returns on 9 December 2022 to complete the installation.

Under the RPA, the Implementation Date for the HVAC1 activity is 15 November 2022 and the Implementation Date for the SYS2 activity is 9 December 2022.

The content of the nomination should contain the same information as the Nomination Template we have published on our website.^e

Your Accreditation Notice will set out our minimum requirements for how you engage customers, including seeking their nomination as the Capacity Holder (see Table 4.2).

5.2.2 Deemed as the Capacity Holder

To facilitate the early uptake of RPAs, if you're the Energy Saver for the corresponding activity under the ESS, you're deemed to be the only Capacity Holder, where:

- the [Implementation Date](#) of the activity under the ESS is between 1 April 2022 and on or before the date that is 12 months after the commencement of the Rule; and
- you become accredited for the RPA on or before the date that is 12 months after the commencement of the Rule.

This means that you can create PRCs from PDRS activities that also constitute Recognised Energy Savings Activities (**RESAs**) under the ESS from the date of Implementation.

^e See the [Nomination Form](#) on our website. If changes are made to the nomination form without the written consent of the signatories, IPART and/or IPART's auditors may consider the nomination form invalid. This may result in PRCs being deemed to have been improperly created. Clause 4.1(b)(ii) of the *Peak Demand Reduction Scheme Rule of 2022*.

The corresponding PDRS and ESS Activity Definitions are set out in Table 5.1.

Table 5.1 Corresponding PDRS and ESS activities

Capacity Holder	Energy Saver
HVAC1	D16
SYS2	D5
HVAC2	F4
WH1	F16/D17 ^a
RF2	F1.2
SYS1	F7
RF1	C1

a. Under the PDRS Rule, PRCs cannot be generated from heat pump water heaters installed in a BCA Class 1 or 4 building. This means that implementations undertaken under the corresponding ESS Activity Definition D17 in these building types cannot be used to create PRCs.

After the transitional arrangements end, you'll need to follow the process to become nominated as the Capacity Holder in paragraph 5.2.1. Examples of the types of documents you can collect that may prove you are deemed as the Capacity Holder are contained in Table 5.2.



Example

An ACP is accredited for Activity Definition F7, *Install a new high efficiency motor* under the ESS Rule.

On 1 April 2022, the ACP implemented a RESA by installing a new high efficiency ventilation motor at a business (this is the Implementation Date under clause 9.9.2 of the ESS Rule).

- The ACP became accredited for the corresponding activity (i.e. SYS2) under the PDRS Rule on 1 November 2022.
- The ACP is deemed to be the only Capacity Holder and can create PRCs in respect of the RESA.

5.3 Proving you're the Capacity Holder as at the Implementation Date

5.3.1 Capacity Holder

You must collect and keep appropriate documents to prove you're the Capacity Holder for each RPA.

Examples of the types of documents you can collect is contained in Table 5.2.

Table 5.2 Examples of evidence that may prove you're the Capacity Holder

Requirement	PDRS Rule Reference	Examples of evidence that may prove requirement is met
You must be the Capacity Holder to create a PRC	Cls 4.1(a), 7.3.3, 7.3.5 and 7.3.9	<ul style="list-style-type: none"> For all Activity Definitions except RF1, the evidence must show you are the "Purchaser". For example, a purchasing receipt or lease agreement showing you are the owner, occupier, or operator. For RF1, the evidence must show you are the person that is contracted to remove the spare refrigerator or freezer. For example, a dated invoice showing the nature of the work conducted or a copy of an agreement for the removal of the equipment.
If you're not the Capacity Holder, you must be correctly nominated as the Capacity Holder	Cl 4.1(b)	<ul style="list-style-type: none"> Signed Nomination Form containing the same information as the Nomination Template we have published on our website. If applicable, a copy of previous revoked nominations.
In some cases, you can be deemed as the Capacity Holder	Cl 4.2	<p>Evidence must show:</p> <ul style="list-style-type: none"> you are the Energy Saver for the corresponding activity in the ESS (for example, a copy of the ESS Accreditation Notice). that the Implementation Date is between 1 April 2022 and the first anniversary of the PDRS Rule (for example, see examples of evidence to prove the Implementation Date in Table 5.3). you became accredited for the RPA on or before the first anniversary of the PDRS Rule (for example, a copy of the PDRS accreditation notice).

5.3.2 Implementation Date

You must collect and keep appropriate documents to prove the Implementation Date of each activity under the RPA. The document(s) must clearly show the date the work was conducted (i.e. either the installation or removal) and the address where the work took place.

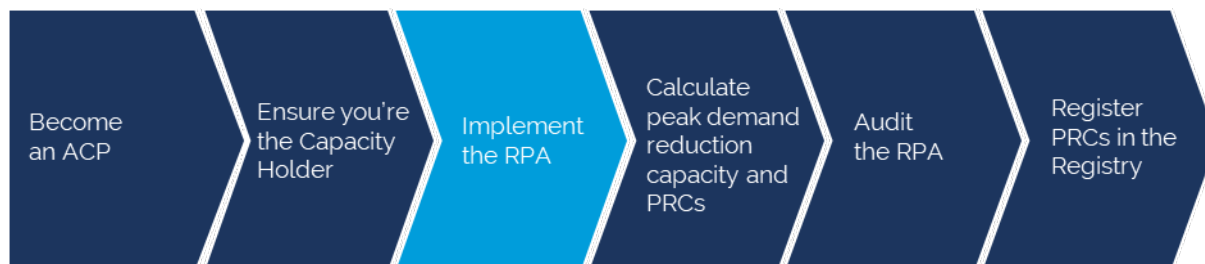
Examples of the types of documents you can collect are:

Table 5.3 Examples of evidence that may prove the Implementation Date

Activity Definition	PDRS Rule Reference	Examples of evidence that may prove requirement is met
HVAC1, SYS2, HVAC2, WH1, RF2 and SYS1	Cls 7.3.2 and 7.3.8	Evidence must prove the date the new EUE is installed at the site. For example, a Certificate of Compliance of Electrical Work (CCEW), tax invoice, run sheet, signed owner and contractor declaration or time-stamped photograph.
RF1	Cl. 7.3.6	Evidence must prove the date the old EUE is removed from the site. For example, a CCEW, tax invoice, run sheet, signed owner and contractor declaration or time-stamped photograph.

6 Implement the RPA in accordance with all requirements

This chapter sets out the requirements that must be met to successfully implement a Recognised Peak Activity (**RPA**) under the Reducing Demand Using Efficiency sub-method (**RDUE Method**) including the records you must collect to prove you have met the requirements.



Key points

- You must comply with legislative requirements, the specific requirements of the activity you're accredited for, as well as the conditions of your accreditation.
- You must collect and keep appropriate documents to prove that you have met all the requirements.

6.1 Overview

You should read and familiarise yourself with the requirements for implementing an RPA. The requirements are contained in:

- Schedule 4A, Part 2 of the *Electricity Supply Act 1995* (**Act**), the *Electricity Supply (General) Regulation 2014* (**Regulation**) and the *Peak Demand Reduction Scheme Rule of 2022* (**PDRS Rule**) (**Relevant Legislation**)
- the specific Activity Definition you are accredited for contained in Schedule B of the PDRS Rule, and
- your Accreditation Notice.

You should also understand and comply with any other legislative requirements that may be applicable to the activities you're accredited for (for example, the requirements of consumer law and electrical safety legislation).

Significant penalties may apply if you do not comply with legislative requirements. For more information about our approach to compliance see our ACP Compliance Guide^f.

6.2 You must comply with the requirements of the Relevant Legislation

6.2.1 RPAs must be conducted in New South Wales

You can only design and implement a Recognised Peak Activity (**RPA**) at a site located in New South Wales and connected to the electricity transmission or distribution network in New South Wales.²¹

An RPA may occur at a single site or across multiple sites.

When undertaking RPAs, you must define a site by:

- a street address within New South Wales; or
- another unique identifier, as specified for the relevant implementation that identifies the affected **End-User Equipment (EUE)** (for example, a reference to a registered plan identifier).

You must collect and keep appropriate documents to prove that the site of your RPA meets the requirements.

Examples of the types of documents you can collect is contained in Table 6.1.

Table 6.1 Examples of evidence that may prove the site is in NSW

Requirement	PDRS Rule Reference	Examples of evidence that may prove requirement is met
An RPA must occur at a site connected to the electricity transmission or distribution network within NSW	Cl 5.1(b) Cl 10 (Definition of Site and Address)	<ul style="list-style-type: none"> • A recent electricity bill showing the address of the site and electricity provider information. • A CCEW showing the date the work was conducted and the address connected to the electricity network where the work took place.

^f See the [ACP Compliance Guide](#) on our website.

6.2.2 Certain RPAs must be conducted at Residential and Small Business sites only

If you're accredited for one of the following Activity Definitions, you can only conduct the RPA at a residential building or small business site:²²

- HVAC1 – Install a new high efficiency air conditioner or replace an existing air conditioner with a high efficiency air conditioner
- SYS2 – Replace an existing pool pump with a high efficiency pool pump
- RF1 – Remove a spare refrigerator or freezer.

Residential buildings

The PDRS Rule defines a residential building as a building or part of a building classified as a Building Code of Australia (BCA) Class 1, 2 or 4 building, and may include any non-habitable building (BCA class 10a or 10b) on the same site.

Small business sites

A small business site is defined in the PDRS Rule as a site that is entirely occupied by one business *and* is either:

- classed as a "Small Customer", or
- is a customer of an "Exempt Seller" and has an annual electricity consumption below the "Upper Consumption Threshold" for electricity.²³

Small Customer, Exempt Seller and Upper Consumption Threshold have the same meaning as in the *National Energy Retail Law* (NSW). Applying these meanings, a site will generally be a small business site if it's entirely occupied by a business that is an electricity customer, and that business consumes less than 100MWh of electricity per year (from any source, including on-site generation) at the site. A business will generally be an electricity customer if it's sold electricity by a seller (including an Exempt Seller).⁹

Proving the site is a residential building or small business site

If you're accredited for HVAC1, SYS2 and RF1, you must collect and keep appropriate documents to prove that each RPA you're implementing is at a residential or small business site.

Examples of the types of documents you can collect is contained in Table 6.2.

⁹ The Australian Energy Regulator provides guidance on the type of activities that are likely to constitute the sale of electricity, and those activities that are not considered a sale of electricity in its *Retail Exempt Selling Guideline*.

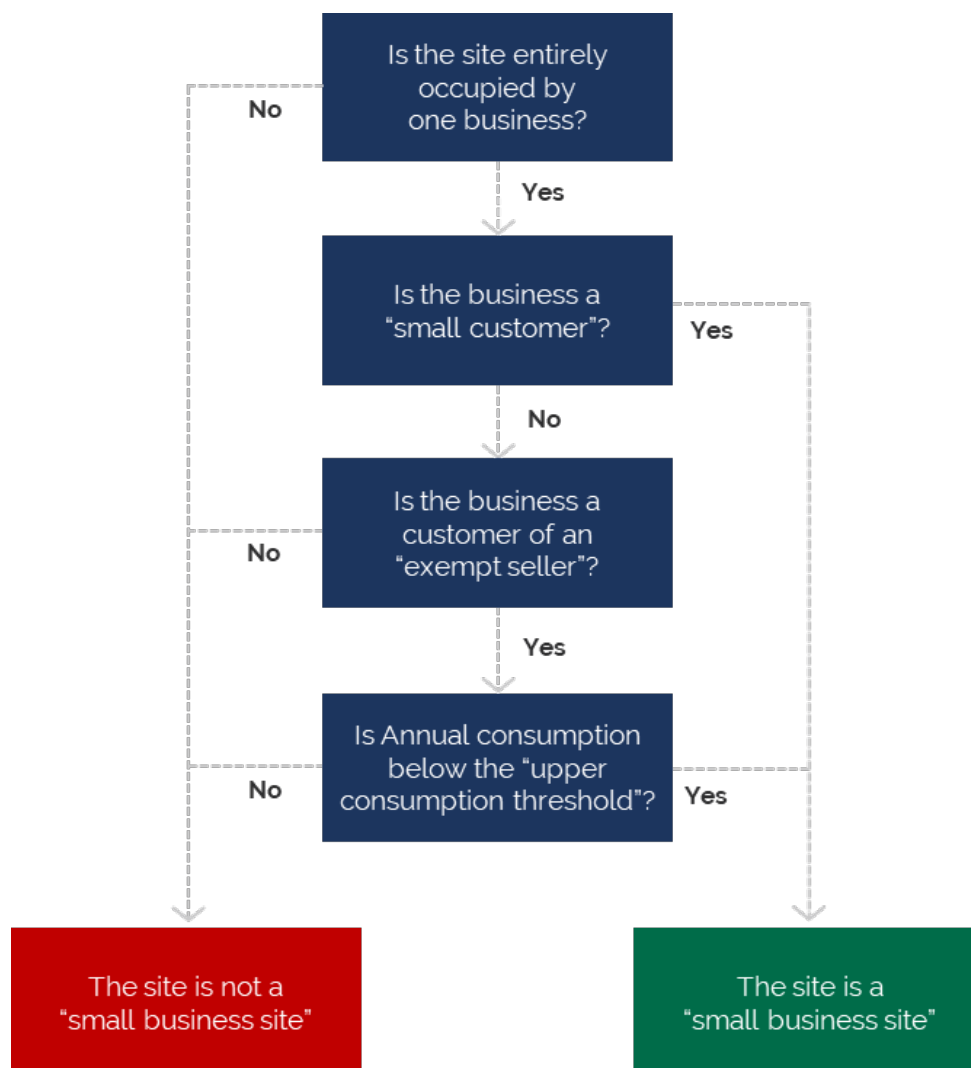
Table 6.2 Examples of evidence that may prove the site is a residential or small business site

Requirement	PDRS Rule Reference	Examples of evidence that may prove requirement is met
HVAC1, SYS2 and RF1 to be conducted at Residential buildings and small business sites only, and WH1 cannot be conducted at BCA Class 1 or 4 buildings	Cl 7.3.1(a), Cl 7.3.4(a) and Cl 7.3.7(a)	<p>Electricity bills showing:</p> <ul style="list-style-type: none"> • the name of the residence or business where the work took place • the Australian Business Number (ABN) or Australian Company Number (ACN) of the business, and • that the annual electricity consumption/usage is under 100MWh per year (or an equivalent figure, such as average daily usage, that allows for annual consumption to be calculated for the business site where the work took place.^h) <p>Or for a customer of an exempt seller:</p> <ul style="list-style-type: none"> • information on electricity consumption/usage that shows consumption under the upper consumption threshold per year (currently 100MWh) for the business site where the work took place, and • if the seller holds a registered exemption, an extract from the public register of retail exemptions showing the exempt seller's name.ⁱ <p>Or for evidence of a business: If the electricity bill does not provide evidence of the site being occupied by a business, an additional piece of evidence must be provided for the site at which the work took place, such as:</p> <ul style="list-style-type: none"> • the ABN or ACN certificate confirming the business name • an ASIC extract confirming the business name, or • receipts produced by the business showing the business name and ABN or can.

^h If the annual electricity consumption is calculated and results in a consumption close to the 100MWh per year threshold you must contact IPART to confirm the validity of the calculation before calculating energy savings from this activity.

ⁱ The public register is available at <https://www.aer.gov.au/retail-markets/retail-exemptions/public-register-of-retail-exemptions>

Figure 6.1 How to assess whether a site is a small business site



6.2.3 Certain RPAs cannot be conducted at Residential buildings

If you're accredited for one of the following Activity Definitions, except where specified in the relevant Activity Definition, you cannot conduct the RPA at a residential building:²⁴

- HVAC2 – Install a new high efficiency air conditioner or replace an existing air conditioner with a high efficiency air conditioner
- WH1 – Replace one or more existing hot water boilers or water heaters with one or more air source heat pump water heater systems
- RF2 – Replace an existing refrigerated cabinet with a new high efficiency refrigerated cabinet
- SYS1 – Install a new high efficiency ventilation or refrigeration motor or replace an existing ventilation or refrigeration motor with a high efficiency ventilation or refrigeration motor.

6.2.4 Old EUE must be correctly disposed of or recycled

The RDUE Method covers activities that involve the replacement or removal of EUE, including:

- air conditioning equipment (HVAC1 and HVAC2)
- hot water boilers and water heaters (WH1)
- refrigerators (RF1 and RF2) and freezers (RF1)
- refrigeration and ventilation motors (SYS1)
- pool pumps (SYS2).

For an activity to be considered an RPA, you must not refurbish, re-use or re-sell the EUE that is replaced or removed.²⁵ This is so the inefficient equipment is not installed elsewhere.

You're responsible for disposing of the EUE in accordance with applicable NSW and Commonwealth law. If the EUE contains refrigerants (e.g. air conditioners, refrigerators and freezers), you must obtain evidence that refrigerants have been disposed of or recycled.²⁶

If you're undertaking an activity that involves the replacement or removal of EUE, you must collect and keep appropriate documents to prove that the old EUE is disposed of appropriately.

If you are deemed as the Capacity Holder under paragraph 5.2.2, these disposal and recycling requirements apply to activities with an Implementation Date from 1 April 2022 as per the requirements of the Energy Savings Scheme (**ESS**) for the corresponding activities.

Examples of the types of documents you can collect is contained in Table 6.3.

Table 6.3 Examples of evidence that may prove EUE has been disposed of

Requirement	PDRS Rule Reference	Examples of evidence that may prove requirement is met
EUE is not refurbished, re-used or resold	Cl 5.3(a)	<ul style="list-style-type: none"> • Tax invoice or tax receipt from the disposal or recycling company showing that the old EUE has been removed from site and disposed of. • An installer declaration.
EUE is correctly disposed of	Cl 5.3(b)	<ul style="list-style-type: none"> • Tax invoice or tax receipt from the disposal or recycling company showing the old EUE and the method of disposal. • An installer declaration.

6.3 You must comply with the requirements of the Activity Definition you're accredited for

Each of the seven Activity Definitions of the Reducing Demand Using Efficiency sub-method (**RDUE Method**) contains activity specific eligibility, equipment and implementation requirements.

Where applicable, you must ensure:

- the eligibility requirements for the relevant [Activity Definition](#) are met immediately *prior* to the [Implementation Date](#) of the project²⁷
- each item of installed EUE meets all the equipment requirements,²⁸ and
- the completed implementation satisfies all the relevant implementation requirements.²⁹

Generally, the eligibility, equipment and implementation requirements are aligned with the requirements for the corresponding activities in the ESS.^j Like the ESS, you'll need to collect and keep appropriate documents to evidence that you have met each requirement for the activity you're accredited for. These documents may be the same for the PDRS and the corresponding ESS activity.

Examples of the types of documents you can collect to prove you have met the relevant eligibility, equipment and implementation requirements are contained in Table 6.4, Table 6.5 and Table 6.6.

Table 6.4 Examples of evidence that may prove that the eligibility requirements have been met

Requirements	Activity Definition	Examples of evidence that may prove requirement is met
EUE must not be installed in certain classes of building	HVAC2, WH1	For HVAC2, <ul style="list-style-type: none"> The evidence must show that the new/replacement EUE isn't installed in a residential building unless it is a replacement of an existing air conditioner in a centralised system or in the common areas of BCA Class 2 building (for example, a site assessment report prepared for the activity under the ESS). For WH1 <ul style="list-style-type: none"> The evidence must show that the EUE isn't installed in a BCA Class 1 or 4 building (for example, a site assessment report prepared for the activity under the ESS).
The existing EUE is an electric resistance hot water boiler or water heater	WH1	<ul style="list-style-type: none"> A geo-tagged photo showing that the existing EUE, before it was removed, was an electric resistance hot water boiler or water heater A site assessment report prepared for the activity under the ESS.
The new EUE must be installed for use in ventilation or refrigeration applications	SYS1	<ul style="list-style-type: none"> An installer declaration stating that the new/replacement EUE was installed for use in a ventilation or refrigeration application. Manufacturer's specifications showing that the new EUE must only be installed in ventilation or refrigeration applications. A geo-tagged photo of the new EUE installed at the site showing its use in a ventilation or refrigeration application.
There must be an existing pool pump installed at the Site at the time of replacement	SYS2	<ul style="list-style-type: none"> A site assessment report stating that there was an existing pool pump installed at the site at the time it was replaced. A geo-tagged photo showing the existing pool pump installed at the site on the date that the pump was replaced.

^j There are some exceptions and ACPs should ensure that are familiar with the requirements of the activity they are accredited for.

Table 6.5 Examples of evidence that may prove that the equipment requirements have been met

Requirements	Activity Definitions	Examples of evidence that may prove requirement is met
New EUE must be a registered GEMS product and comply with the Greenhouse and Energy Minimum Standards Determination	HVAC1, HVAC2, RF2, SYS1	<p>An extract or screenshot of the GEMS Registry or another document showing the GEMS registration status and/or variables:</p> <ul style="list-style-type: none"> For HVAC1 and HVAC2, the evidence must show the new/replacement EUE: <ul style="list-style-type: none"> is registered in the GEMS Registry as complying with the <i>Greenhouse and Energy Minimum Standards (Air Conditioners up to 65kW) Determination 2019</i>; and has the requisite Cooling Capacity variables recorded in the GEMS Registry, as set out in the respective activity definition. For RF2, the evidence must show the new EUE: <ul style="list-style-type: none"> is defined as a refrigerated cabinet and registered product under the <i>Greenhouse and Energy Minimum Standards (Refrigerated Cabinets) Determination 2020</i>, and has an Energy Efficiency Index (EEI) below 81 as recorded in the GEMS Registry, except Integral Ice Cream Freezer Cabinets (class 5) which must have an EEI below 51. For SYS1, the evidence must show the new/replacement EUE is: <ul style="list-style-type: none"> a 3-phase electric motor rated "high efficiency" within the meaning of Part 5 of the <i>Greenhouse and Energy Minimum Standards (Three Phase Cage Induction Motors) Determination 2019</i> when testing with subclause 6.1.3 of IEC600034-2-1., and a registered product under GEMS and complies with the Determination.
New EUE must meet Australian standards	WH1	<p>The evidence must show that the installed EUE:</p> <ul style="list-style-type: none"> is an air source heat pump water heater as defined by AS/NZS4234, and has a storage volume of less than or equal to 700L, is certified to comply with AS/NZS4234. <p>Examples of evidence includes:</p> <ul style="list-style-type: none"> a tax invoice showing the product make, model and storage volume of the new EUE and an extract of AS/NZS4234 showing it is included. manufacturer's specification showing the make, model and storage volume of the new EUE and its inclusion under AS/NZ4234.
New EUE must meet Scheme Administrator's requirements	WH1	Water heater products installed for WH1 must be accepted by us. Evidence of acceptance includes inclusion on the public list of accepted products or correspondence from us that the product has been accepted.
Existing EUE must meet certain requirements	RF1, SYS2	<p>Evidence such as a declaration from the owner/installer (as relevant), manufacturers specifications, screenshot of the relevant AS/NZS, and/or geotagged photos of the existing EUE/new EUE (as relevant) at the site must be kept to prove the requirements have been met.</p> <ul style="list-style-type: none"> For RFI, the existing EUE: <ul style="list-style-type: none"> is in a residential building is classified as Group 1,2,3,4,5T,5B,5S,6C,6U or 7 according to AS/NZS4474.1 and 4474.2. has a capacity of 200 litres or more is in working order is secondary and that there is another refrigerator/freezer at the site that provides primary refrigeration or freezing services, located in, or closer to, the kitchen, and when removed, results in 1 fewer spare refrigerators and freezers at the site. For SYS2, the new EUE: <ul style="list-style-type: none"> must be a product for use with a domestic pool or spa is a single phase motor (either single, two, multi or variable speed) has the relevant input power range as specified in the activity definition when tested under AS5102.1 be listed as part of the E3 Committee's <i>Voluntary Energy Rating Labelling Program for Swimming Pool Pump-units: Rules for Participation, April 2010</i> or be a registered product in the GEMS Registry as complying with the <i>Greenhouse and Energy Minimum Standards (Swimming Pool Pump-units) Determination 2021</i> achieve a minimum 4.5 star rating when determined in accordance with AS5102.2 have a warranty of at least 3 years.

Table 6.6 Examples of evidence that may prove that the implementation requirements have been met

Requirements	Activity Definitions	Examples of evidence that may prove requirement is met
Existing EUE must be removed	HVAC1, HVAC2, WH1, RF2, SYS1, SYS2	<ul style="list-style-type: none"> • An installer declaration/post-implementation declaration • A geo-tagged and time stamped photograph showing the existing EUE before and after removal
New EUE must be installed	HVAC1, HVAC2, WH1, RF2, SYS1	<ul style="list-style-type: none"> • An installer declaration/post-implementation declaration • A geo-tagged and time stamped photograph showing the new EUE in place at the site. For RF2, the photo must be in its intended place of use and operating.
Activities must be carried out by suitably licensed people	HVAC1, HVAC2, WH1, RF2, SYS2	<ul style="list-style-type: none"> • An installer declaration/post-implementation declaration • Installation receipt showing registered licence information • A certificate of compliance (e.g. a CCEW)
New EUE must have certain characteristics	SYS1	Evidence should be collected to prove that the electric motor has a rated output between 0.73kW to <185kW. For example, manufacturer's data or a photo of the nameplate.

6.4 You must comply with the requirements of your Accreditation Notice

When you're accredited as an ACP, you're issued an Accreditation Notice that sets out the activities you're accredited for, and the conditions imposed on your accreditation.³⁰ Under the PDRS, your Accreditation Notice will state your requirements for auditing PRCs (see paragraph 8.1), the type and amount of insurance you must hold (see paragraph 4.2.4) and any additional conditions applicable to your accreditation. Your Accreditation Notice will also state that you need to comply with the following requirements set out in this Method Guide:

- Method Guide Record Keeping Requirements (see Table 4.1)
- Method Guide Customer Engagement Requirements (see Table 4.2)
- Method Guide Representative Requirements (see Table 4.3).

You should carefully review your Accreditation Notice as it contains mandatory requirements with which you must comply.

6.5 Compliance Checklist

Before implementing an RPA, check you're meeting the requirements of the Relevant Legislation, the [Activity Definition](#) you're accredited for and your Accreditation Notice and that you have records to prove this compliance (See Table 6.7).

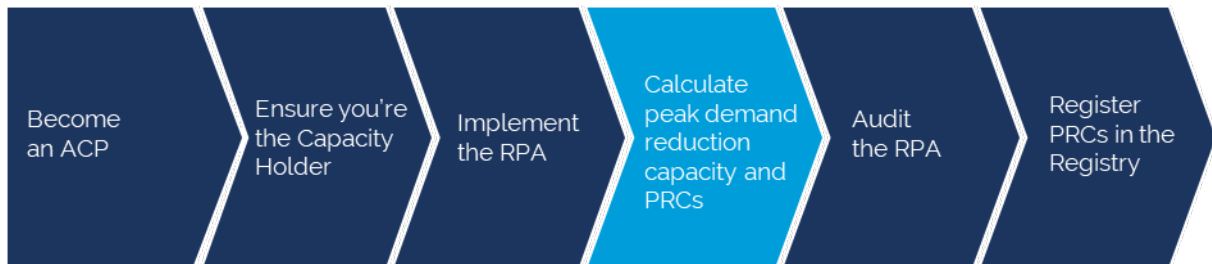
Table 6.7 Checklist

RPA stage	Checklist	Source of requirement	Method Guide paragraph reference
Developing RPA business opportunities (marketing)	Do I know who is representing me at each site? Is this person in my representative register?	Accreditation Notice	4.2.3
	Has the person acting on my behalf received appropriate training?	Accreditation Notice	4.2.3
	Is my representative telling the customer the right things?	Accreditation Notice	4.2.2
Initial feasibility assessment	Is the site in NSW?	PDRS Rule	6.2.1
	Is the site connected to the electricity network in NSW? Do I have records to prove this?	PDRS Rule	6.2.1
	For HVAC1 and SYS2, is the site a residential building or small business? Do I have records to prove this?	PDRS Rule	6.2.2
	Does the site meet the eligibility requirements of the Activity Definition? Do I have records to prove this?	PDRS Rule	6.3
Before I get to site	Am I the Capacity Holder and if not, do I know how I will become the Capacity Holder (i.e. through nomination or deeming)? Do I have records to prove this?	PDRS Rule	5.1
	Does the person doing the work hold appropriate qualifications? Do I have records to prove this?	PDRS Rule	4.2.3
	Does the person doing the work hold the requisite insurance? Do I have records to prove this?	Accreditation Notice	4.2.4
When I'm on site	Does the customer know who the ACP is and that my representative is acting on my behalf?	Accreditation Notice	4.2.2
	Does the customer have my contact details?	Accreditation Notice	4.2.2
Before I commence any work	Have I or my representative explained how the PDRS works and provided any relevant fact sheets?	Accreditation Notice	4.2.2
	Have I or my representative explained the contents and function of the Nomination Form, received a signed version and provided a copy to the customer?	Accreditation Notice	4.2.2 and 5.2.1
	Where applicable, have I or my representative explained to the customer that old EUE will need to be removed?	Accreditation Notice	4.2.2
	Does the customer know that IPART auditors may request information about the project in the future?	Accreditation Notice	4.2.2
When I start work	Does the new EUE comply with the equipment and implementation requirements of the Activity Definition? Do I have records to prove this?	PDRS Rule	6.3
When I have finished the work	Is the work acceptable to the customer?	Accreditation Notice	4.2.2
	Does the customer have my contact details for after sales service and complaints?	Accreditation Notice	4.2.2
	Do I have evidence to show what date the project was finished (i.e. to prove the Implementation Date?)	PDRS Rule	5.3.2
	Where applicable, has old EUE been correctly disposed of or recycled?	PDRS Rule	6.2.4

7 Calculate peak demand reduction capacity and PRCs

If you have complied with all requirements for designing and implementing a Recognised Peak Activity (**RPA**), you can calculate peak demand reduction capacity and the amount of Peak Reduction Certificates (**PRCs**) from each project.

This chapter explains what a PRC is and how it's calculated for RPAs under the Reducing Demand Using Efficiency sub-method (**RDUE Method**).



Key points

- PRCs can be created up to 6 months from the end of the compliance period in which capacity is made available and are active for 3 compliance periods.
- PRCs are calculated using equations in the PDRS Rule.

7.1 Timing of PRC creation

7.1.1 You must create PRCs within 6 months after the end of the compliance period

ACPs must create PRCs within 6 months after the end of the compliance period in which the peak demand reduction capacity is made available.³¹



Example

On 1 September 2022, an ACP installed an air conditioner at a small business under Activity Definition HVAC1.

The air conditioner created the capacity to reduce demand for electricity by an average of **0.2kW** for each of the **6 hours** of peak demand reduction between 2.30pm and 8.30pm AEST.

The installation of the air conditioner is eligible to create **12 PRCs** for the 2022-2023 compliance period and for each year after for the lifetime of the project.

120 PRCs (12 PRCs x 10 years of forward creation) are eligible to be created from the project. As the end of the compliance period is 31 March 2023, the ACP must create at least the first 12 PRCs by 30 September 2023.

7.2 Calculation of PRCs

7.2.1 Equations used to calculate PRCs

The *Peak Demand Reduction Scheme Rule of 2022 (PDRS Rule)* sets out the equations to calculate the number of PRCs that can be created from an implementation.

PRCs for the RDUE Method are calculated using the following equations in the PDRS Rule:

- Equation 1 – used to calculate the number of PRCs based on Peak Demand Reduction Capacity and network loss factor³²
- Equation 2a - used to calculate Peak Demand Reduction Capacity based on Peak Demand Savings Capacity, summer peak duration and lifetime of the Activity Definition³³
- [Activity Definition](#) specific equations used to calculate Peak Demand Savings Capacity based on a firmness factor and the difference between baseline and actual input power adjusted to account for conditions during peak times.

Worked examples for each [Activity Definition](#) are contained in Appendix B.



Equation 1

Number of PRCs = **Peak Demand Reduction Capacity** x Network Loss Factor x 10

Peak Demand Reduction Capacity, in kilowatts, is calculated using Equation 2a.

The Network Loss Factor is a factor that accounts for energy losses in the network (see Table A3 of the PDRS Rule).

Equation 2a

Peak Demand Reduction Capacity = **Peak Demand Savings Capacity** x Summer Peak Demand Reduction Duration x Lifetime

Peak Demand Savings Capacity is calculated using an activity specific peak demand savings capacity equation set out in the PDRS Rule (see example below).

The Summer Peak Demand Reduction Duration (**6 hours**) is based on the peak demand reduction period of 2.30pm to 8.30pm AEST.

Lifetime is lifetime of the End User Equipment as set out in each Activity Definition in the PDRS Rule.

Equation for Peak Demand Savings Capacity

Peak Demand Savings Capacity = ((Baseline Input Power x Baseline Peak Adjustment Factor) – (Input Power x Peak Adjustment Factor)) x Firmness Factor

$$\left(\begin{array}{cc} \text{Baseline Input Power} & \text{Input Power} \\ \times & \times \\ \text{Baseline Peak Adjustment Factor} & \text{Input Peak Adjustment Factor} \end{array} \right) - \left(\begin{array}{cc} \text{Input Power} & \text{Input Peak Adjustment Factor} \\ \times & \times \\ \text{Input Power} & \text{Input Peak Adjustment Factor} \end{array} \right) \times \text{Firmness Factor}$$

Peak Demand Savings Capacity is:

- The difference between the baseline power put into an average reference product (called the “baseline input power”) and the power put into the new product (called the “input power”). These values are both adjusted to consider conditions such as temperature that are typical of a summer peak demand event.
- A “firmness factor”, representing the likelihood of peak demand reduction capacity being both available and able to contribute to reducing peak demand (for activities under the RDUE Method, the assigned value is 1 as peak demand reduction capacity is always available).

7.2.2 You can develop your own calculation tool

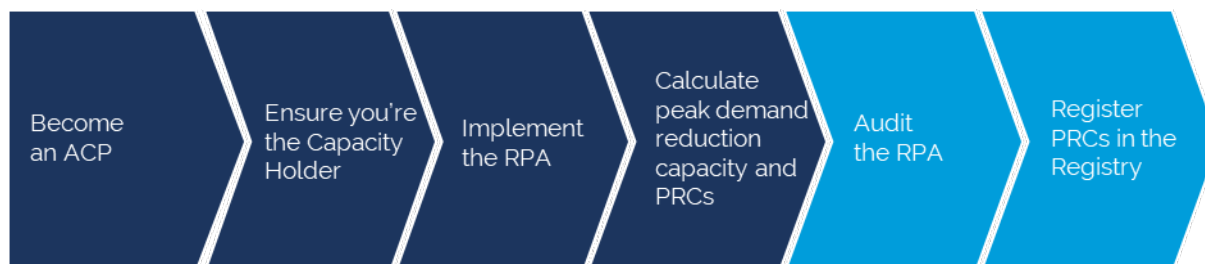
You can develop your own calculation tool to assist in the calculation of PRCs under the RDUE Method. Spreadsheets and tools used in the calculation of peak demand reduction capacity must be developed in accordance with the most recent requirements of the method under the PDRS Rule and maintained to help ensure they are up to date with such requirements.

7.2.3 Collection of documents to prove inputs to calculations

You will need to collect and keep documents to support the values you have used in the PRC calculations.

8 Next steps in the project cycle

Depending on your accreditation conditions you may be required to conduct an audit of your Recognised Peak Activity (**RPA**) before you create Peak Reduction Certificate (**PRCs**) in the PRC registry (called the **Registry of Certificates**). This chapter explains these next steps in the RPA project cycle.



Key points

- Your accreditation conditions will determine whether you're required to audit your RPA before or after you create PRCs.
- Audits must be performed by a member of the Audit Panel at your cost.
- You must create, transfer or surrender PRCs in accordance with the relevant procedure.

8.1 You may need to have your RPA audited

Auditing of Accredited Certificate Providers (**ACPs**) is one of the ways we monitor compliance under the PDRS.

Your Accreditation Notice sets out when you need to engage an auditor and the scope of the audit. We may also conduct an audit of your participation in the PDRS at any time.³⁴ If you're also an ACP under the Energy Savings Scheme, we will try and align your audit requirements under both schemes, where possible.

We use the audit process to check that you have complied with all the requirements for your ongoing eligibility to participate as an ACP and that the PRCs you have created (or are proposing to create) reflect real and accurate peak demand reduction capacity.

Audits must be performed by an approved member of the Audit Services Panel^k and you're responsible for negotiating the commercial arrangements and paying the costs of the audit. Panel members have been assessed by us to check that they hold the necessary qualifications to conduct reasonable assurance audits.

^k Members of the Audit Panel are listed on our [website](#).

We have prepared an ACP Audit Guide^l to help you understand the requirements and processes relating to audits under the Safeguard.

8.2 Creating, transferring and surrendering PRCs

8.2.1 Creating PRCs

We have established a Registry of Certificates³⁵ and this can be accessed in The Energy Security Safeguard Application (**TESSA**)^m.

Provided an ACP has complied with the requirements of an RPA as set out in the applicable legislation and the conditions of its accreditation, an ACP can apply to register PRCs from its RPAs. A PRC has no effect until the Scheme Administrator registers the creation of the PRC in the Registry of Certificates.³⁶

For more information about TESSA please refer to the guidance information we have provided on our websiteⁿ. Information required to be uploaded in TESSA includes:³⁷

- the ACP identifier
- the RPA identifier
- the address(es) of the Site or Sites where the Implementation(s) took place
- any other identifiers required to identify the Site or Sites where the Implementation(s) took place
- the Implementation Date of the Implementation(s)
- the Network Factor applied for each Implementation
- the Australian Business Number (if any) of the entity utilising the End-Use Service
- the cost to the person who pays for the goods or services that comprise the Implementation, excluding GST
- the type of the End-Use Service for which Peak Demand Reduction Capacity was created in accordance with Table A1 of Schedule A of the PDRS Rule
- the Business Classification of the entity utilising the End-Use Service in accordance with Table A2 of Schedule A of the PDRS Rule
- the Method or sub-method and Activity Definition, where relevant, used to calculate the Peak Demand Reduction Capacity
- the Peak Demand Reduction Capacity calculated under each Activity Definition that is used for the Implementation, and

^l The [ACP Audit Guide](#) is available on our website.

^m TESSA can be accessed [here](#).

ⁿ Guidance documentation can be accessed [here](#).

- any other data providing evidence of Peak Demand Reduction Capacity from the Implementation as published, from time to time, by the Scheme Administrator.

You may submit multiple implementations of the same Activity Definition in the one implementation upload to create PRCs.³⁸ The capacity created from each implementation will be summed and converted to PRCs using Equation 1.³⁹

Where an application to register the creation of PRCs is made for an amount of Peak Demand Reduction Capacity that is not divisible by 0.1 without leaving a remainder, the amount of Peak Demand Reduction Capacity is to be rounded down to the nearest 0.1kW.⁴⁰

Peak Demand Reduction Capacity is to be apportioned as equally as possible between all compliance periods which begin during the lifetime of an implementation provided that each compliance period:

- is allocated a whole number of PRCs, and
- is allocated a number of PRCs that is within one PRC of the annual average number of PRCs created over the lifetime of the implementation.

If the whole number of PRCs cannot be apportioned equally across all compliance periods, earlier compliance periods are allocated higher numbers of PRCs than later compliance periods.⁴¹



Example

An implementation under Activity Definition HVAC1 has a lifetime of **10 years**.

Over its lifetime, the implementation results in total peak demand reduction capacity of 1090.1 kW (**10,901 PRCs**).

The PRCs are allocated such that 1091 PRCs are allocated to the first compliance year and 1090 PRCs are allocated to each of the nine compliance years that follow.

You must pay the registration fee when you apply to register PRCs.^o An invoice will be generated by TESSA as part of your application to register PRCs. The registration fee is adjusted on 1 November each year.⁴²

^o For the current registration fee, see our [website](#). We have also included information about [how the registration fee can be paid](#).

8.2.2 Transferring and surrendering PRCs

Once PRCs are registered, you may request to transfer them to another party.^{p43}

You may be required to surrender PRCs in the following circumstances:^{q44}

- We may order you to surrender PRCs if we find you have:
 - improperly created PRCs, or
 - are in breach of your accreditation conditions.
- We may require you to set aside PRCs under the terms of an undertaking signed at the time of accreditation.

8.3 The market for PRCs

The PDRS creates a market for PRCs by requiring Scheme Participants (mainly electricity retailers) to surrender a certain number of PRCs each year to meet their individual certificate target.

After you have registered PRCs, you can sell them to Scheme Participants or other buyers in the market. They are transferred from the seller to the buyer in the Registry of Certificates. There are no standard contracts, and it is up to you to negotiate the commercial arrangements of this transaction.

The Registry of Certificates is not a trading platform. Trading of certificates occurs outside the Registry of Certificates, which records all current and past ownership of certificates. When a trade occurs, the transfer in ownership of those certificates must be recorded in the Registry of Certificates by transferring the certificates to the new owner.

Our role as the administrator and regulator of the PDRS finishes once PRCs are registered. We do not have any role in the buying or selling of PRCs (apart from transferring PRCs in the Registry of Certificates), including setting prices or developing standard contracts.

^p A summary of how the transfer process works in TESSA is on our [website](#).

^q More information about how PRCs are surrendered in TESSA is on our [website](#).

Appendices

A Acronyms and key concepts

A.1 Acronyms

Acronym / Abbreviation	Full Name
Act	<i>Electricity Supply Act 1995</i>
AEST	Australian Eastern Standard Time
ACP	Accredited Certificate Provider
BASIX	Building Sustainability Index
BCA	Building Code of Australia
CCEW	Certificate of Compliance of Electrical Work
ESC	Energy Savings Certificate
ESS	Energy Savings Scheme
EUE	End-User Equipment
GEMS	Greenhouse and Minimum Energy Standards
HEER Method	Home Energy Efficiency Retrofits Method
IHEAB Method	Installation of High Efficiency Appliances for Business Method
IPART	Independent Pricing and Regulatory Tribunal
MEPS	Minimum Energy Performance Standards
OECC	Office of Energy and Climate Change
PDRS	Peak Demand Reduction Scheme
PDRS Rule	<i>Peak Demand Reduction Scheme Rule of 2022</i>
PRC	Peak Reduction Certificate
Regulation	<i>Electricity Supply (General) Regulation 2014</i>
RESA	Recognised Energy Saving Activity
RET	Renewable Energy Target
RDUE Method	Reducing Demand Using Efficiency Method
RFS	Renewable Fuel Scheme
ROA Method	Removal of Old Appliance Method
RPA	Recognised Peak Activity
Safeguard	Energy Security Safeguard
TESSA	The Energy Security Safeguard Application

A.2 Key concepts

Term	Description
Accreditation conditions	Conditions imposed by the Scheme Administrator on the accreditation of an ACP under clause 114(1)(b) of Part 2 of Schedule 4A of the Act and specified in their Accreditation Notice.
Accreditation Notice	A written notice issued by the Scheme Administrator under clause 62U of the Regulation specifying any accreditation conditions.
Accredited Certificate Provider (ACP)	Are voluntary participants in the Peak Demand Reduction Scheme (PDRS) and are parties that are accredited to create Peak Reduction Certificates (PRCs) from Recognised Peak Activities (RPAs) that increase the peak demand reduction capacity.
Activity Definitions	Are the types of activities that can comprise an RPA and are set out in Schedule B of the PDRS Rule.
Audit	An assessment of whether the ACP has complied, in all material respects, with the requirements of the ESS and/or PDRS. Audits can occur either before certificate registration (pre-registration) or after certificate registration (post-registration).
Capacity Holder	The person with the right to the capacity to reduce peak demand (e.g. the property owner) and defined in the PDRS Rule for each Activity Definition.
Compliance period	Is the period commencing on 1 November and ending on 31 March the following year.
End-User Equipment	Is the equipment (new or existing) that causes, controls or influences electricity consumption.
Energy Saver	Means the person who has the right to create ESCs for energy savings arising from an implementation of a RESA at a site, as defined in the relevant calculation method of the <i>Energy Savings Scheme Rule of 2009</i> . The PDRS equivalent of 'Capacity Holder'.
Energy Savings Certificate (ESC)	Certificates created and traded under the ESS. One ESC represents one notional megawatt hour (MWh) of energy.
Energy Security Safeguard	The Safeguard is part of the NSW Government's Electricity Strategy and aims to improve the affordability, reliability and sustainability of energy through the creation of financial incentives encouraging "energy activities" and in the case of the PDRS, "peak demand reduction capacity".
Implementation Date	Is defined by the PDRS Rule for each activity and is the date from which peak demand reduction can be calculated.
Improperly created PRCs	PRCs that are not created in a way that meets the requirements of the Act, Regulation, PDRS Rule and/or any accreditation conditions imposed on the ACP. In general, improperly created PRCs must be surrendered by the ACP.
Peak demand reduction capacity	Peak demand reduction capacity means the capacity to reduce demand for electricity during the period between 2.30pm to 8.30pm AEST ^a from 1 November to 31 March.
Peak Reduction Certificate (PRC)	One PRC represents 0.1 kilowatt of peak demand reduction capacity averaged over one hour on 6 hours of one day of the compliance period (i.e. between 2.30pm and 8.30pm AEST).
Recognised Energy Savings Activity (RESA)	An energy savings activity that is eligible under the Energy Savings Scheme
Recognised Peak Activity (RPA)	An activity that provides capacity to reduce electricity use during the time of peak demand in accordance with the requirements of the PDRS Rule.
Registry of Certificates	The registry of Energy Savings Certificates and Peak Reduction Certificates established and managed by IPART and accessed through The Energy Security Safeguard Application or "TESSA".
Scheme Participants	Mandatory participants in the ESS and PDRS, primarily electricity retailers, who are required to meet individual targets through the surrender of ESCs/PRCs or payment of a penalty.

^a Australia Eastern Standard Time (AEST). This is equivalent to 3.30pm – 9.30pm Australian Eastern Daylight Time.

B Peak Demand Certificate calculations: Worked examples

B.1 HVAC1 – Install a new high efficiency air conditioner or replace an existing air conditioner with a high efficiency air conditioner

Table B.1 Calculation of Peak Demand Reduction Capacity

Step	Description
Scenario:	The activity is a new installation and not a replacement Location of implementation: Coffs Harbour (Postcode: 2450) (BCA Climate Zone 2 / Essential Energy distribution) The product meets the equipment requirements The product has a Residential TCSPF_mixed value recorded in the GEMS Registry
Product:	Installation of a Panasonic non ducted split system air conditioner (CU-Z71VKR / CS-Z71VKR) Configuration: Air-air, non-ducted, split system (Source: GEMS Registry) Residential TCSPF_mixed value: 4.6 (Source: GEMS Registry, Column DX) Rated AEER: 3.5824 (Source: GEMS Registry, Column FJ)
Step 1: Baseline Input Power	Equation HVAC1.1: Baseline Input Power = Rated Cooling Capacity ÷ Baseline AEER Rated Cooling Capacity ^b = 7.10 kW (Source: GEMS Registry, Column Q) Baseline AEER = 3.220 (Source: Table HVAC1.1) Baseline Input Power = 7.10 ÷ 3.220 = 2.205 kW
Step 2: Baseline Peak Adjustment Factor	Equation HVAC1.2: Baseline Peak Adjustment Factor = Temperature Factor x Usage Factor Temperature Factor = 0.48 (Source: Table A5 of PDRS Rule) Usage Factor = 0.72 (Source: PDRS Rule) Baseline Peak Adjustment Factor = 0.48 x 0.72 = 0.346
Step 3: Input Power	Rated cooling input power at 35°C: 1.97 kW (Source: GEMS Registry, Column O)
Step 4: Peak Adjustment Factor	Peak adjustment factor = Baseline Peak Adjustment Factor (Source: Step 2)
Step 5: Firmness Factor	Firmness Factor = 1 (Source: Table A6 of the PDRS Rule)
Step 6: Peak Demand Savings Capacity	Peak Demand Savings Capacity = ((Baseline Input Power x Baseline Peak Adjustment Factor) – (Input Power x Peak Adjustment Factor)) x Firmness Factor Baseline Input Power = 2.205 kW (Calculation Step 1) Baseline Peak Adjustment Factor = 0.346 (Calculation Step 2) Input Power = 1.97 kW (Calculation Step 3) Peak Adjustment Factor = 0.346 (Step 4) Firmness Factor = 1 (Step 5) Peak Demand Savings Capacity = ((2.205 x 0.346) – (1.97 x 0.346)) x 1 = 0.081
Step 7: Peak Demand Reduction Capacity	Equation 2a: Peak Demand Reduction Capacity = Peak Demand Savings Capacity x Summer Peak Demand Reduction Duration x Lifetime Peak Demand Savings Capacity = 0.0812 kW (Calculation Step 6) Summer Peak Demand Reduction = 6 hrs (Source: Equation 2a) Lifetime = 10 years (Activity Definition HVAC1) Peak Demand Reduction Capacity = 0.081 x 6 x 10 = 4.872
Step 8: PRCs	Equation 1: Number of Certificates = Peak Demand Reduction Capacity x Network Loss Factor x 10 Peak Demand Reduction Capacity = 4.872 (Calculation Step 7) Network Loss Factor = 1.05 (Source: Table A3 of PDRS Rule) Number of Certificates = 4.872 x 1.05 x 10 = 51.159 Number of Certificates = 51

^b The GEMS Registry uses the terms "C-Total Cool Rated" for the cooling capacity.

B.2 HVAC2 – Install a new high efficiency air conditioner or replace an existing air conditioner with a high efficiency air conditioner

Table B.2 Calculation of Peak Demand Reduction Capacity

Step	Description
Scenario:	The product is a replacement and not a new installation Location of implementation: Randwick, Sydney (Postcode: 2031) (BCA Climate Zone 5 / Ausgrid distribution) The product meets the equipment requirements The product has a Cooling Capacity recorded in GEMS registry The product has a Commercial TCSPF_mixed value
Product:	Installation of a DAIKIN ducted split system air conditioner (RZAS140C2V1 / FDYA140AV1) Configuration: Air-air, ducted, single split system (Source: GEMS Registry, Columns I-M) Commercial TCSPF_mixed value: 5.801 (Source: GEMS Registry, Column EA) Rated AEER: 3.5179 (Source: GEMS Registry, Column FJ)
Step 1: Baseline Input Power	Equation HVAC2.1: Baseline Input Power = Rated Cooling Capacity ÷ Baseline AEER Rated Cooling Capacity = 14 kW (Source: Rated cooling capacity at 35°C as recorded in Column Q of GEMS Registry) Baseline AEER = 2.8 (Source: Table HVAC2.2, Activity Definition HVAC2) Baseline Input Power = 14 ÷ 2.8 = 5.0 kW
Step 2: Baseline Peak Adjustment Factor	Equation HVAC2.2: Baseline Peak Adjustment Factor = Temperature Factor x Usage Factor Temperature Factor = 0.55 (Source: Table A5 of PDRS Rule) Usage Factor = 0.6 (Source: Activity Definition HVAC2) Baseline Peak Adjustment Factor = 0.55 x 0.6 = 0.33
Step 3: Input Power	Rated cooling input power at 35°C: 3.93 kW (Source: as recorded in Column O of GEMS Registry)
Step 4: Peak Adjustment Factor	Peak adjustment factor = Baseline Peak Adjustment Factor (Source: Step 2)
Step 5: Firmness Factor	Firmness Factor: = 1 (Source: Table A6 of the PDRS Rule)
Step 6: Peak Demand Savings Capacity	Peak Demand Savings Capacity = ((Baseline Input Power x Baseline Peak Adjustment Factor) – (Input Power x Peak Adjustment Factor)) x Firmness Factor Baseline Input Power = 5.0 kW (Calculation Step 1) Baseline Peak Adjustment Factor = 0.33 (Calculation Step 2) Input Power = 3.93 kW (Calculation Step 3) Peak Adjustment Factor = 0.33 (Step 4) Firmness Factor = 1 (Step 5) Peak Demand Savings Capacity = ((5.0 x 0.33) – (3.93 x 0.33)) x 1 = 0.353
Step 7: Peak Demand Reduction Capacity	Equation 2a: Peak Demand Reduction Capacity = Peak Demand Savings Capacity x Summer Peak Demand Reduction Duration x Lifetime Peak Demand Savings Capacity = 0.353 kW (Calculation Step 6) Summer Peak Demand Reduction = 6 hrs (Source: Equation 2a) Lifetime = 10 years (Activity Definition HVAC2) Peak Demand Reduction Capacity = 0.353 x 6 x 10 = 21.186
Step 8: PRCs	Equation 1: Number of Certificates = Peak Demand Reduction Capacity x Network Loss Factor x 10 Peak Demand Reduction Capacity = 35.28 (Calculation Step 7) Network Loss Factor = 1.04 (Source: Table A3 of PDRS Rule) Number of Certificates = 21.186 x 1.04 x 10 = 220.334 Number of Certificates = 220

B.3 WH1 – Replace one or more existing hot water boilers or water heaters with one or more air source heat pump water heaters

Table B.3 Calculation of Peak Demand Reduction Capacity

Step	Description
Scenario:	The product is on the Product Register The implementation is in Randwick, Sydney (Postcode: 2031) (BCA Climate Zone 5 / Ausgrid distribution)
Product:	Eco Alliance 170L Heat Pump (Eco-170LHPWH)
Step 1: Baseline Input Power	Equation WH1.1: Baseline Input Power = $0.01 \times \text{ComPkLoad}$ ComPkLoad = 68 MJ/day (Source: Peak daily (winter) load in MJ/d as recorded in the Product Registry for the zone in which the product is installed) Baseline Input Power = $0.01 \times 68 = 0.68 \text{ kW}$
Step 2: Baseline Peak Adjustment Factor	Baseline Peak Adjustment Factor: 1 (Source: Table A4 of the PDRS Rule)
Step 3: Input Power	Equation WH1.2: Input Power = $(100 - \text{Annual Energy Savings \%}) \times \text{Baseline Input Power} \div 100$ Annual Energy Savings = 70.2% (Source: Published in the Product Registry) Baseline Input power = 0.68 kW (Source: Calculation Step 1) Input Power = $(100 - 70.2) \times (0.68 \div 100) = 0.2026 \text{ kW}$
Step 4: Peak Adjustment Factor	Peak adjustment factor: 0.77 (Source: Table A4)
Step 5: Firmness Factor	Firmness Factor: = 1 (Source: Table A6 of the PDRS Rule)
Step 6: Peak Demand Savings Capacity	Peak Demand Savings Capacity = $(\text{Baseline Input Power} \times \text{Baseline Peak Adjustment Factor}) - (\text{Input Power} \times \text{Peak Adjustment Factor}) \times \text{Firmness Factor}$ Baseline Input Power = 0.68 kW (Calculation Step 1) Baseline Peak Adjustment Factor = 1 (Step 2) Input Power = 0.2026 (Calculation Step 3) Peak Adjustment Factor = 0.77 (Step 4) Firmness Factor = 1 (Step 5) Peak Demand Savings Capacity = $((0.68 \times 1) - (0.2026 \times 0.77)) \times 1 = 0.524$
Step 7: Peak Demand Reduction Capacity	Equation 2a: Peak Demand Reduction Capacity = Peak Demand Savings Capacity x Summer Peak Demand Reduction Duration x Lifetime Peak Demand Savings Capacity = 0.524 kW (Calculation Step 6) Summer Peak Demand Reduction = 6 hrs (Source: Equation 2a) Lifetime = 12 years (Activity Definition WH1) Peak Demand Reduction Capacity = $0.524 \times 6 \times 12 = 37.726$
Step 8: PRCs	Equation 1: Number of Certificates = Peak Demand Reduction Capacity x Network Loss Factor x 10 Peak Demand Reduction Capacity = 37.726 (Calculation Step 7) Network Loss Factor = 1.04 (Source: Table A3 of PDRS Rule) Number of Certificates = $37.726 \times 1.04 \times 10 = 392.347$ Number of Certificates = 392

B.4 RF1 – Remove a spare refrigerator or freezer

Table B.4 Calculation of Peak Demand Reduction Capacity

Step	Description
Scenario:	The implementation is in Richmond (Postcode: 2753) (Endeavour Energy distribution) The product meets the equipment requirements The activity results in 1 fewer spare refrigerators and freezers at the Site
Product:	The product is greater than 200 litres in capacity and is in working order
Step 1: Peak Demand Savings Capacity	<p>Peak Demand Savings Capacity = (Baseline Input Power x Baseline Peak Adjustment Factor) – (Input Power x Peak Adjustment Factor) x Firmness Factor</p> <p>Baseline Input Power = 0.093 kW (Source: Activity Definition RF1) Baseline Peak Adjustment Factor = 1.25 (Source: Table A4 of the PDRS Rule) Input Power = 0 kW (Source: Activity Definition RF1) Peak Adjustment Factor = 1.25 (Source: Table A4 of the PDRS Rule) Firmness Factor = 1 (Source: Table A6 of the PDRS Rule)</p> <p>Peak Demand Savings Capacity = ((0.093 x 1.25) – (0 x 1.25)) x 1 = 0.116 kW</p>
Step 2: Peak Demand Reduction Capacity	<p>Equation 2a: Peak Demand Reduction Capacity = Peak Demand Savings Capacity x Summer Peak Demand Reduction Duration x Lifetime</p> <p>Peak Demand Savings Capacity = 0.116 kW (Calculation Step 1) Summer Peak Demand Reduction = 6 hrs (Source: Equation 2a) Lifetime = 7 years (Activity Definition RF1)</p> <p>Peak Demand Reduction Capacity = 0.116 x 6 x 7 = 4.883 kW</p>
Step 3: PRCs	<p>Equation 1: Number of Certificates = Peak Demand Reduction Capacity x Network Loss Factor x 10</p> <p>Peak Demand Reduction Capacity = 4.883 (Calculation Step 2) Network Loss Factor = 1.05 (Source: Table A3 of PDRS Rule) Number of Certificates = 4.883 x 10 x 1.05 = 51.266</p> <p>Number of Certificates = 51</p>

B.5 RF2 – Replace an existing refrigerated cabinet with a new high efficiency refrigerated cabinet

Table B.5 Calculation of Peak Demand Reduction Capacity

Step	Description
Scenario:	The product meets the equipment requirements Location of implementation: Wollongong (Postcode: 2500 (Endeavour Energy distribution))
Product:	The product is SKOPE Glass Door Display (TMF1000N-A) Integrated Freezer Vertical, Refrigerated Display Cabinet (GEMS Registry, Columns AA and AC) Total display area: 1.25m ² (GEMS Registry, Column M) Product type: IVF4 (GEMS Registry, Column AI) Product class: 8 (GEMS Registry, Column R or AJ) Energy Efficiency Index: 63.474 (Source: GEMS Registry, Column AE) Total Energy Consumption (kWh/24h): 16.17 (Source: GEMS Registry, Column AB)
Step 1: Baseline Input Power	Equation RF2.1: Baseline Input Power = TEC x af x [Baseline EEI ÷ Product EEI] ÷ 24 TEC = 16.17 kWh/day (Source: GEMS Registry, Column AB) af = 1 (Source: Table RF2.1) Baseline EEI = 100 (Source: Table RF2.1) Product EEI = 63.474 (Source: GEMS Registry, Column AE) Baseline Input Power = 16.17 x 1 x [100 ÷ 63.474] ÷ 24 = 1.061 kW
Step 2: Baseline Peak Adjustment Factor	Equation RF2.3: Baseline Peak Adjustment Factor = Temperature Factor x Usage Factor Temperature Factor = 1.14 (Source: Table RF2.2) Usage Factor = 1 (Source: Activity Definition RF2) Baseline Peak Adjustment Factor = 1.14 x 1 = 1.14
Step 3: Input Power	Equation RF2.2: Input Power = TEC x af ÷ 24 TEC = 16.17 (Source: GEMS Registry, Column AB) af = 1 (Source: Table RF2.1) Input Power = 16.17 x 1 ÷ 24 = 0.674 kW
Step 4: Peak Adjustment Factor	Peak adjustment factor: equal to Baseline Peak Adjustment Factor (Source: Step 2)
Step 5: Firmness Factor	Firmness Factor: = 1 (Source: Table A6 of the PDRS Rule)
Step 6: Peak Demand Savings Capacity	Peak Demand Savings Capacity = ((Baseline Input Power x Baseline Peak Adjustment Factor) – (Input Power x Peak Adjustment Factor)) x Firmness Factor Baseline Input Power = 1.061 kW (Calculation Step 1) Baseline Peak Adjustment Factor = 1.14 (Step 2) Input Power = 0.674 kW (Calculation Step 3) Peak Adjustment Factor = 1.14 (Step 4) Firmness Factor = 1 (Step 5) Peak Demand Savings Capacity = ((1.061 x 1.14) – (0.674 x 1.14)) x 1 = 0.442 kW
Step 7: Peak Demand Reduction Capacity	Equation 2a: Peak Demand Reduction Capacity = Peak Demand Savings Capacity x Summer Peak Demand Reduction Duration x Lifetime Peak Demand Savings Capacity = 0.442 kW (Calculation Step 6) Summer Peak Demand Reduction = 6 hrs (Source: Equation 2a) Lifetime = 8 years (Table RF2.3) Peak Demand Reduction Capacity = 0.442 x 6 x 8 = 21.215 kW
Step 8: PRCs	Equation 1: Number of Certificates = Peak Demand Reduction Capacity x Network Loss Factor x 10 Peak Demand Reduction Capacity = 21.215 kW (Calculation Step 7) Network Loss Factor = 1.05 (Source: Table A3 of PDRS Rule) Number of Certificates = 21.215 x 1.05 x 10 = 222.762 Number of Certificates = 222

B.6 SYS1 – Install a new high efficiency ventilation or refrigeration motor or replace an existing ventilation or refrigeration motor with a high efficiency ventilation or refrigeration motor

Table B.6 Calculation of Peak Demand Reduction Capacity

Step	Description
Scenario:	The product meets the equipment requirements The product is listed in the GEMS Registry The product is installed in Richmond (Postcode: 2753) (BCA Climate Zone 6 / Endeavour Energy distribution) The product is a new installation and is not replacing existing EUE
Product:	The product is ABB M3BP Cast Iron Motor (M3BP/ GP/JP/KP 315SMC 4) Number of poles: 4
Step 1: Baseline Input Power	Equation SYS1.1: Baseline Input Power = Rated Output ÷ (Baseline Efficiency ÷ 100) Rated Output = 160 (Source: GEMS Registry, Column K) Baseline Efficiency = 94.9 (Source: Table SYS1.1) Baseline Input Power = 160 ÷ (94.9 ÷ 100) = 168.599
Step 2: Baseline Peak Adjustment Factor	Equation SYS1.2: Baseline Peak Adjustment Factor = Temperature Factor x Usage Factor Temperature Factor = 1.04 (Source: Table A5 of the PDRS Rule) Usage Factor = 0.6 (Source: Activity Definition SYS1.1) Baseline Peak Adjustment Factor = 1.04 x 0.6 = 0.624
Step 3: Input Power	Equation SYS1.3: Input Power = Rated Output ÷ (New Efficiency ÷ 100) Rated Output = 160 (Source: GEMS Registry, Column K) New Efficiency = 95.7 (Source: GEMS Registry, Column F) Input Power = 160 ÷ (95.7 ÷ 100) = 167.189
Step 4: Peak Adjustment Factor	Peak adjustment factor: equal to Baseline Peak Adjustment Factor (Source: Step 2)
Step 5: Firmness Factor	Firmness Factor: = 1 (Source: Table A6 of the PDRS Rule)
Step 6: Peak Demand Savings Capacity	Peak Demand Savings Capacity = ((Baseline Input Power x Baseline Peak Adjustment Factor) – (Input Power x Peak Adjustment Factor)) x Firmness Factor Baseline Input Power = 168.599 kW (Calculation Step 1) Baseline Peak Adjustment Factor = 0.624 (Step 2) Input Power = 167.19 (Calculation Step 3) Peak Adjustment Factor = 0.624 (Step 4) Firmness Factor = 1 (Step 5) Peak Demand Savings Capacity = ((168.599 x 0.624) – (167.189 x 0.624)) x 1 = 0.879 kW
Step 7: Peak Demand Reduction Capacity	Equation 2a: Peak Demand Reduction Capacity = Peak Demand Savings Capacity x Summer Peak Demand Reduction Duration x Lifetime Peak Demand Savings Capacity = 0.879 kW (Calculation Step 6) Summer Peak Demand Reduction = 6 hrs (Source: Equation 2a) Lifetime = 25 years (Table SYS1.2) Peak Demand Reduction Capacity = 0.879 x 6 x 25 = 131.919
Step 8: PRCs	Equation 1: Number of Certificates = Peak Demand Reduction Capacity x Network Loss Factor x 10 Peak Demand Reduction Capacity = 131.919 (Calculation Step 7) Network Loss Factor = 1.05 (Source: Table A3 of PDRS Rule) Number of Certificates = 131.919 x 1.05 x 10 = 1,385.151 Number of Certificates = 1,385

B.7 SYS2 – Replace an existing pool pump with a high efficiency pool pump

Table B.7 Calculation of Peak Demand Reduction Capacity

Step	Description
Scenario:	Pool size: 45,000 litres Location: Mosman (2088) (Endeavour Energy distribution)
Product:	The product is TriStar VS 540 pool pump (1B-SP3220HVS) Star rating: 10 Speed: Multispeed
Step 1: Peak Demand Savings Capacity	<p>Peak Demand Savings Capacity = ((Baseline Input Power x Baseline Peak Adjustment Factor) – (Input Power x Peak Adjustment Factor)) x Firmness Factor</p> <p>Baseline Input Power = 0.491 kW (Source: Table SYS2.1) Baseline Peak Adjustment Factor = 0.28 (Source: Table A4 of the PDRS Rule) Input Power = 0.061 kW (Source: Table SYS2.2) Peak Adjustment Factor = 0.28 (Source: Table A4 of the PDRS Rule) Firmness Factor = 1 (Source: Table A6 of the PDRS Rule)</p> <p>Peak Demand Savings Capacity = ((0.491 x 0.28) – (0.061 x 0.28)) x 1 = 0.120 kW</p>
Step 2: Peak Demand Reduction Capacity	<p>Equation 2a: Peak Demand Reduction Capacity = Peak Demand Savings Capacity x Summer Peak Demand Reduction Duration x Lifetime</p> <p>Peak Demand Savings Capacity = 0.120 kW (Calculation Step 1) Summer Peak Demand Reduction = 6 hrs (Source: Equation 2a) Lifetime = 12 years (Activity Definition SYS2)</p> <p>Peak Demand Reduction Capacity = 0.120 x 6 x 12 = 8.669 kW</p>
Step 3: PRCs	<p>Equation 1: Number of Certificates = Peak Demand Reduction Capacity x Network Loss Factor x 10</p> <p>Peak Demand Reduction Capacity = 8.669 (Calculation Step 2) Network Loss Factor = 1.05 (Source: Table A3 of PDRS Rule) Number of Certificates = 8.669 x 1.05 x 10 = 91.022</p> <p>Number of Certificates = 91</p>

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- 1 Cls 108 and 114 of Schedule 4A to the *Electricity Supply Act 1995*.
 - 2 Cl 83(1) of Schedule 4A to the *Electricity Supply Act 1995*.
 - 3 Cl 5.1 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 4 Cl 61 of the *Electricity Supply (General) Regulation 2014*.
 - 5 Cl 5.2(a) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 6 Cl 5.2(a) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 7 Cl 5.2(c) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 8 Cl 5.4 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 9 Cl 106(4) of Schedule 4A to the *Electricity Supply Act 1995*.
 - 10 Cl 118(7) of Schedule 4A to the *Electricity Supply Act 1995* and Cl 6.5 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 11 Cl 117 of Schedule 4A to the *Electricity Supply Act 1995*.
 - 12 Cl 119(2) of Schedule 4A to the *Electricity Supply Act 1995*.
 - 13 Cl 6.1(c) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 14 Cl 7.3 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 15 Cl 109(1) of Schedule 4A to the *Electricity Supply Act 1995*.
 - 16 Cl 62S(2)(a) of the *Electricity Supply (General) Regulation 2014*.
 - 17 Cl 6.1(b)(iii) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 18 Cl 10 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 19 Cl 7.3.2 and Cl 7.3.8 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 20 Cl 7.3.6 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 21 Cl 5.1(b) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 22 Cl 7.3.1(a) and 7.3.4(a) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 23 Cl 10 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 24 Cl 7.3.7(a) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 25 Cl 5.3(a) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 26 Cl 5.3(b) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 27 Cl 7.3.1(b) and Cl 7.3.7(b) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 28 Cl 7.3.1(d), Cl 7.3.4(b) and Cl 7.3.7(d) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 29 Cl 7.3.1(c) and Cl 7.3.7(c) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 30 Cl 114 of Schedule 4A to the *Electricity Supply Act 1995*.
 - 31 Cl 106(5) of the *Electricity Supply Act 1995*.
 - 32 Cl 6.2 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 33 Cl 7.3 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 34 Cl 62ZB(1) of Schedule 4A to the *Electricity Supply (General) Regulation 2014*.
 - 35 Cl 133(1)(b) of Schedule 4A to the *Electricity Supply Act 1995*.
 - 36 Cl 118(1) of Schedule 4A to the *Electricity Supply Act 1995*.
 - 37 Cl 6.1(d) of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 38 Cl 6.3 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 39 Cl 6.2 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 40 Cl 6.4 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 41 Cl 7.2.3 and Cl 7.2.4 of the *Peak Demand Reduction Scheme Rule of 2022*.
 - 42 Cl 3 of Schedule 3 of the *Electricity Supply (General) Regulation 2014*.
 - 43 Cl 62ZA of the *Electricity Supply (General) Regulation 2014*.
 - 44 Cl 117 of Schedule 4A to the *Electricity Supply Act 1995*, cl 62Z of the *Electricity Supply (General) Regulation 2014*.

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