EMMS - Technical Specification - November 2025

1.02 March 2025

Pre-production: Monday 20 October 2025 (TBC)

Production: Tuesday 25 November 2025

Rules effective: N/A

Important notice

Purpose & audience

This document describes the technical changes required to participant's systems for the EMMS - Technical Specification - August 2025 (Release). The Australian Energy Market Operator (AEMO) provides this information as a service targeting business analysts and IT staff in participant organisations. It provides guidance about the changes to their market systems under the National Electricity Rules (Rules), as at the date of publication.

How to use this document

- If you have questions about the business aspects of these changes, please see Consultations on AEMO's website.
- The references listed throughout this document are primary resources and take precedence over this document.
- Unless otherwise stated, you can find resources mentioned in this guide on AEMO's website.
- **Text in this format** is a link to related information. Some links require access to MarketNet.
- **Text in this format**, indicates a reference to a document on AEMO's website.
- **Text in this format** is an action to perform in the Markets Portal.
- This document is written in plain language for easy reading. Where there is a discrepancy between the Rules and information or a term in this document, the Rules take precedence.
- Glossary Terms are capitalised and have the meanings listed against them in the Glossary.
- Rules Terms have the meaning listed against them in the **National Electricity Rules** (Rules).

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Distribution

Available to the public.

Document Identification

Prepared by: AEMO Digital

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Version History

1.02 Initial creation

Documents made obsolete

The release of this document changes only the version of EMMS - Technical Specification - November 2025.

Support Hub

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1 Introduction

1.1 Audience

AEMO provides this information as a service targeting business analysts and IT staff in participant's organisations.

The primary audience for this technical specification is:

- Scheduled, semi-scheduled, and non-scheduled generators.

1.2 Objective

The EMMS - Technical Specification - August 2025 (Release) describes the projects planned by AEMO from a participant perspective and includes any system related changes for participants.

1.3 Status

Version	Status
1.02	Updates the pre-production and production dates. No major changes expected, however minor changes may arise while testing is in progress.
1.01	Updates the pre-production and production dates. We still expect changes to the design while development and testing are in progress.
1.00	Updated version based on the design. We still expect changes to the design while development and testing are in progress.
0.01	**Initial Draft for review.** Presents the EMMS - Technical Specification - August 2025 evolving design. Please send feedback to **Contact Us**. In the **Details of your enquiry** section, mention the EAS Knowledge Management team as the Resolver group.

1.4 Release dates

Scheduled for implementation in:

- Pre-production: Monday 20 October 2025 (TBC)
- Production: Tuesday 25 November 2025

1.5 Projects and enhancements

Changes and enhancements for this Release include:

No.	Functionality	Change	Affected interface	Reference
1	Generator surveys	New Generator Survey Application for generator surveys	New Generator Survey Application > Generator Surveys	**Generator Information Survey Application**
		New generator surveys in Markets Portal	Existing Markets Portal > Supply Forecasting > Generator Surveys	**Markets Portal**
		Decommissioning the generator surveys in the Application Portal	Existing Application Portal > Supply Forecasting > Generator Surveys	

1.6 Rule and procedure changes

The following rules and procedures take precedence over technical specifications and guides.

These are rules and procedures related to generator surveys:

Title
Generator Performance Standards
NER section 3.13.3
NER section 5.20
NEL section 49

1.7 Related technical specifications

Title	Description
N/A	

1.8 Related documents

Once published, these resources take precedence over this technical specification

These guides and resources are updated according to this technical specification and published for the pre-production Release Date.

Title	Description	Status
Market Portal Help	Updates the guide to generator surveys Decouples the guide to System Access Management	Not started
Application Portal Help	Decommissions the guide to generator surveys	Not started
AEMO's Website	Updates URL to the new portal	Not started

1.9 Approval to change

There is no approval or agreement to change required from participant change controllers for this Release.

1.10 Market systems user group meetings

The Market Systems User Group (MSUG) is an industry user group established to discuss NEM wholesale and retail IT systems releases. Its purpose is to facilitate the continuing improvement of AEMO's IT systems by seeking feedback and collaboration from participants.

MSUG meetings are open to all interested parties, with invitations sent to all included on the distribution list. If you have a technical question for a project and want to attend the MSUG ask your company's support team to include your email address in their **AEMO Help Desk Bulletin (CRM)** distribution list.

1.11 Version numbers

AEMO releases new versions of this document as the technical requirements are streamlined.

Incremental version numbers such as 1.01, 2.01 and so on mean there is a minor change to the technical specification.

Major version numbers such as 1.00, 2.00 means there are substantial changes to the technical specification. Participants must carefully review these changes, detailed below.

1.12 Changes in this version

The changes in this version include:

- Decommissions generator survey application in Markets Portal and Application Portal.
- Removes distinction between Registered Participants and Non-Registered Participants for the login process in the Power Pages Application.
- Updates information about pre-production and production dates, see **Proposed Timeline**.

2 Proposed Timeline

All dates in this section are tentative and are subject to change.

The dates for the Market System User Group Meetings (MSUG) are tentative. We will provide an invitation one week prior to the meeting.

Milestone	Date	Description
Approval required	N/A	Final date for participant approval of this Release
Revised Technical Specification	26 September 2025	AEMO releases new versions of this document as the technical requirements are streamlined. During the project this document is the source of truth From the production release, the technical specification becomes final and the **related documents** become the source of truth **Technical Specification Portal**
Related Documents publication	Monday 20 October 2025 (TBC)	Release of guides and resources mentioned in Related on page 7
Next MSUG	28 August 2025	Market Systems User Group Meeting (MSUG) to review the technical specification and ask AEMO technical SMEs questions This date is tentative. The Knowledge Management Team provides the invitation prior to the meeting
Pre-production refresh	24 February 2025 – 28 February 2025	Refresh of the pre-production system with data refreshed from the production system. An outage of up to five days can occur to the pre-production environment during this period. Participant access is not restricted, however, AEMO do not guarantee the pre-production data content or system availability. During the refresh, access to other AEMO systems such as AWEFS, EMMS, OPDMS, and STTM may be intermittently affected

Milestone	Date	Description
Pre-production implementation	Monday 20 October 2025 (TBC)	AEMO implements components of the Release to pre-production for participant testing AEMO has full access to the system during this period Participant access is not restricted; however, the data content or system availability is not guaranteed
Pre-production available	Monday 20 October 2025 (TBC)	Testing period begins for participants
Production implementation	Tuesday 25 November 2025	AEMO implements the release to production
Production systems available	Tuesday 25 November 2025	Production systems available to participants Existing and new surveys available to participants
Current generator survey application not available	25 November 2025 (TBC)	The current Generator Survey application in Markets and Application Portal is no longer available to the participants.

3 Participant Impact

Pre-production and production dates have moved, see **Proposed Timeline**.

To comply with this release, Participants must:

- Use the new **Generator Survey Application** to complete the generator surveys.
- Use the new **User management** to manage a new user contact.
- Set up a new Multi Factor Authentication (MFA) for the Power Pages Application.

4 Generation Information System Enhancements

Generator surveys are a part of the NER process. AEMO uses generator surveys to collect data on existing and future electricity generation in the NEM which is crucial for AEMO's planning and forecasting functions.

4.1 Goal

The GISE project focuses on:

- Improving the system usability.
- Enhancing the submissions quality.
- Implementing better access management.

It introduces the following improvements:

- Making it easier to complete generator surveys with a new Generator Information Survey Application.
- Saving time by pre-filling sections when users create a new survey version.
- Reducing completion time by streamlining the sections, removing redundant questions, and improving on-screen validations.
- Simplifying the process by redesigning questions for quick yes or no answers.

4.2 High-level changes

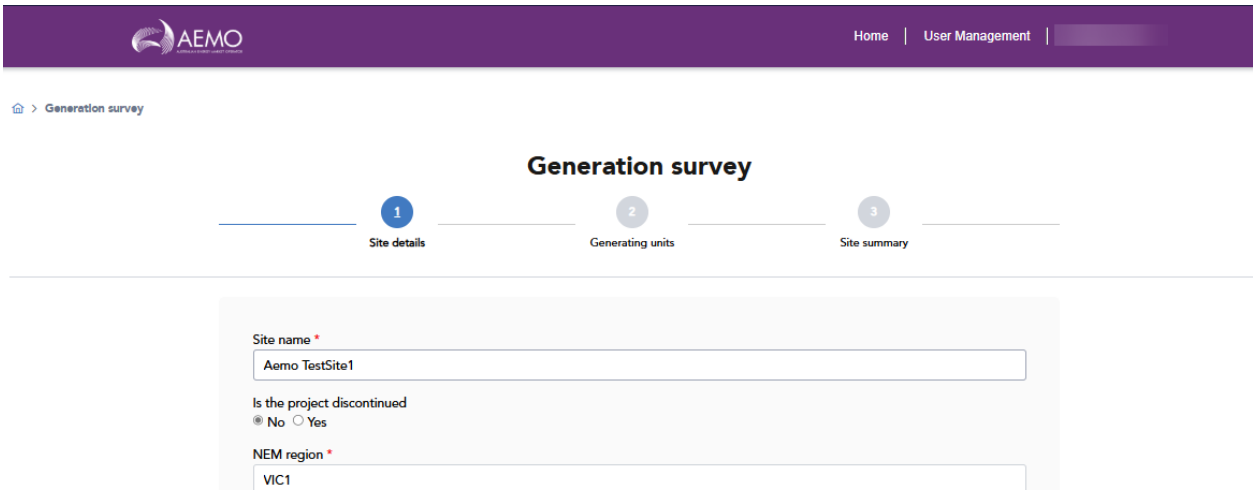
Function	Description	Reference
Markets Portal	Decommissioning of generator surveys application in the Markets Portal	**Markets Portal**
Application Portal	Decommissioning of generator surveys application in the Application Portal	
Generator Survey Application	New generation surveys in the new Generator Survey Application.	**Generator Survey Application**
User Management	New user management process in the Generator Survey Application.	**User management for Non-Registered Participants**

4.3 Generator surveys

The changes to the surveys are:

- The survey is now categorised into 3 sections, **Site details**, **Generating units,** and **Site Summary**.

The screenshots used in this section are examples only and the final web screen may be different.



4.4 Survey questions

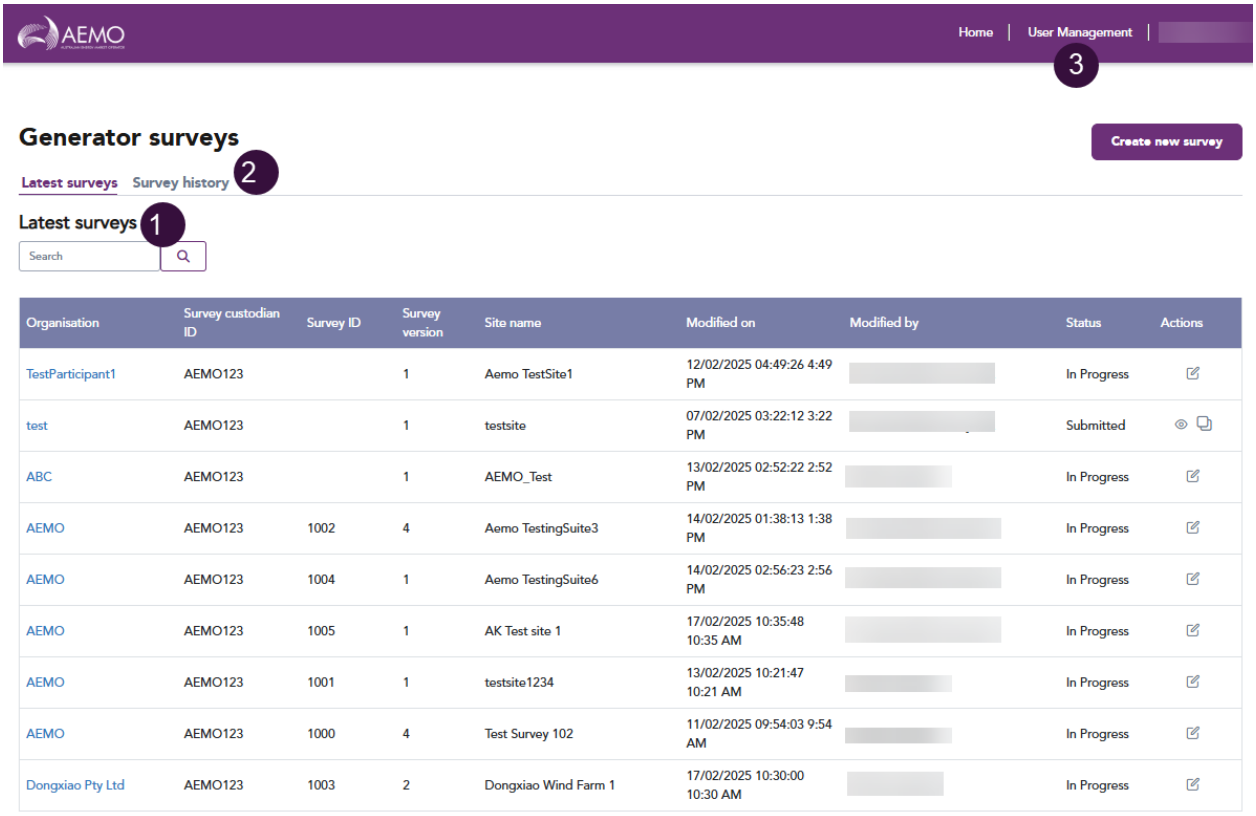
To improve the questions, we are:

- Redesigning most of the questions to allow simple yes or no answers, numeric and multiple-choice options.
- Prefilling relevant sections in editable mode when a new version of a survey is created.
- Removing the redundant questions such as primary fuel type, secondary fuel type and more.

5 Generator Survey Application

We have redesigned the interface to have:

1. A new **Latest Surveys** view, displaying only the latest version of the survey to avoid confusion when updating a survey.
2. A new **Survey History** view, displaying all historical versions.
3. A new **User Management** view, allowing all participants with access to Generator Survey Application to manage all user contacts of their organisation.



Organisation	Survey custodian ID	Survey ID	Survey version	Site name	Modified on	Modified by	Status	Actions
TestParticipant1	AEMO123		1	Aemo TestSite1	12/02/2025 04:49:26 4:49 PM		In Progress	
test	AEMO123		1	testsite	07/02/2025 03:22:12 3:22 PM		Submitted	
ABC	AEMO123		1	AEMO_Test	13/02/2025 02:52:22 2:52 PM		In Progress	
AEMO	AEMO123	1002	4	Aemo TestingSuite3	14/02/2025 01:38:13 1:38 PM		In Progress	
AEMO	AEMO123	1004	1	Aemo TestingSuite6	14/02/2025 02:56:23 2:56 PM		In Progress	
AEMO	AEMO123	1005	1	AK Test site 1	17/02/2025 10:35:48 10:35 AM		In Progress	
AEMO	AEMO123	1001	1	testsite1234	13/02/2025 10:21:47 10:21 AM		In Progress	
AEMO	AEMO123	1000	4	Test Survey 102	11/02/2025 09:54:03 9:54 AM		In Progress	
Dongxiao Pty Ltd	AEMO123	1003	2	Dongxiao Wind Farm 1	17/02/2025 10:30:00 10:30 AM		In Progress	

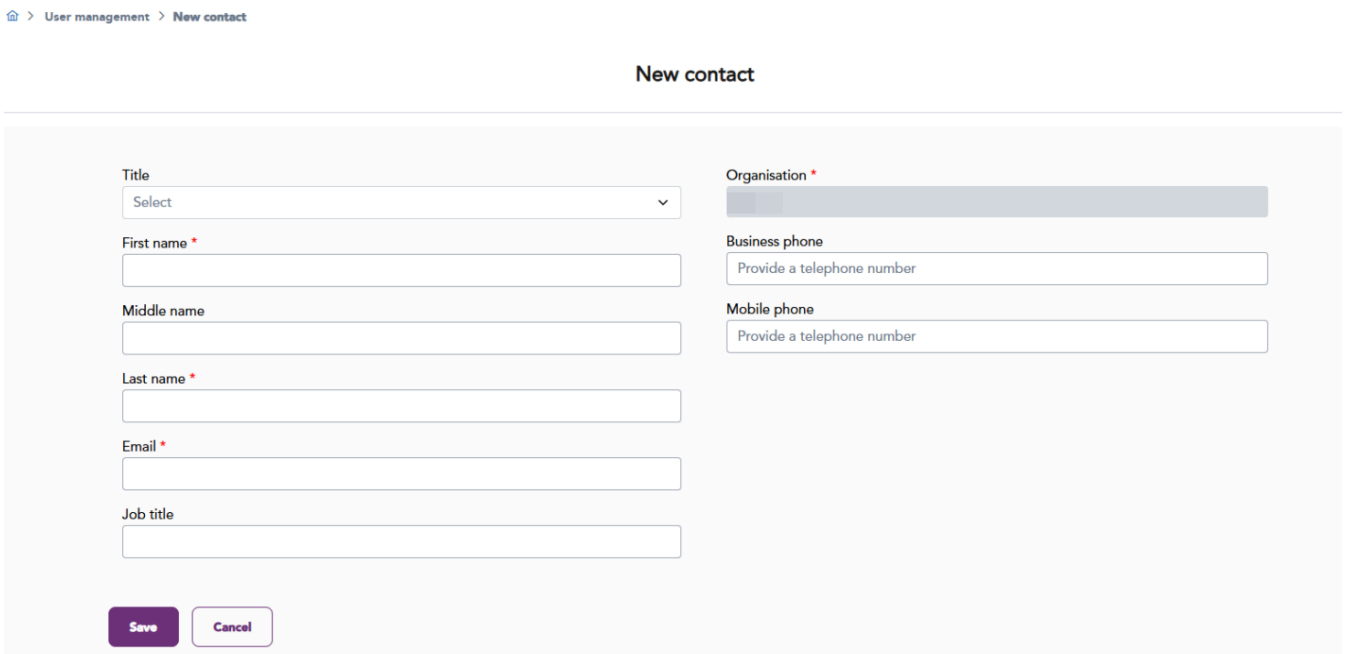
5.1 User management

The new user management allows Participants with access to Generator Survey Application to add, edit, or deactivate a user contact to complete a generator survey.

5.1.1 Adding a new contact

To add a new user:

1. Go to **Generator Survey Application > User Management > Create new contact**.

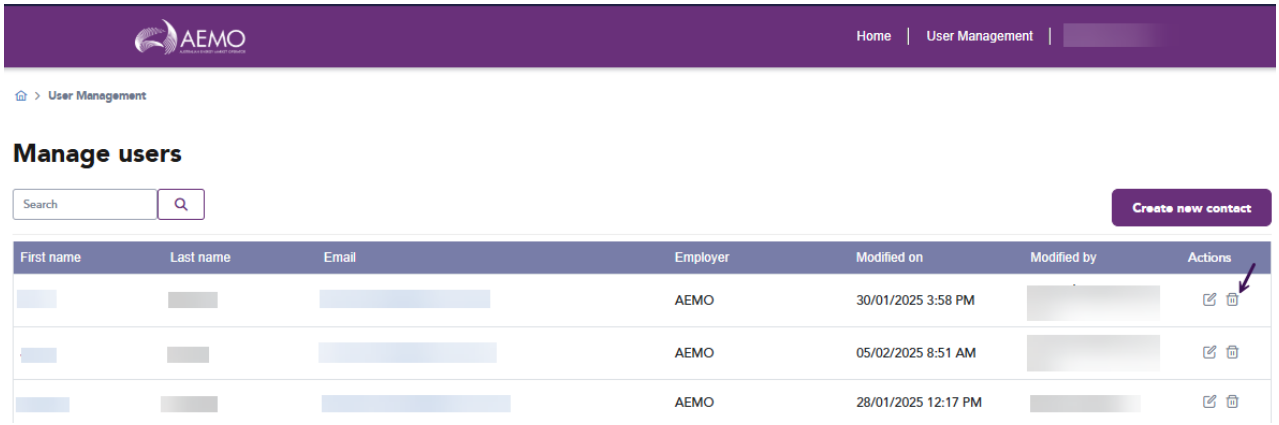


2. Add the new contact's details.
3. Click Submit.
4. The new contact receives an email with the signup details.

5.1.2 Deactivating a contact

To deactivate a user:

1. Go to **Generator Survey Application > User Management.**
2. Under **Actions** click **bin icon**.

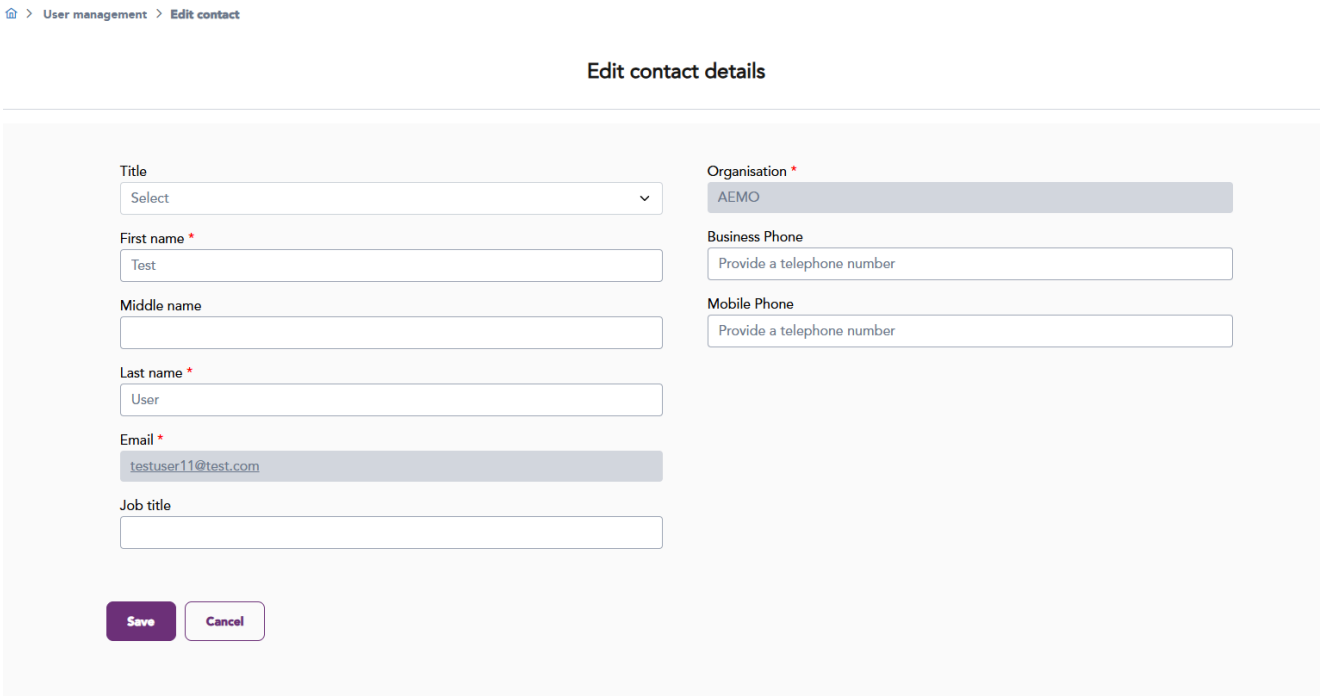


3. The contact is deactivated.

5.1.3 Editing a contact

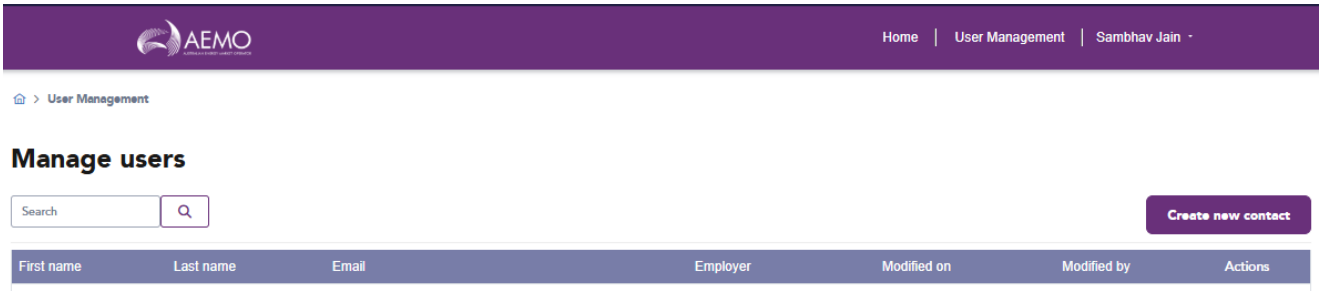
To edit a user details:

1. Go to **Generator Survey Application > User Management.**
2. Under **Actions** click **edit icon**.
3. Edit the details and click **Save and exit**.



5.1.4 Searching and sorting contacts

You can search and sort all the fields in the table.



Searching

1. In the **Search**, enter the value you want to search.
2. Click 🔍 or on your keyboard, press the **Enter key**.

Sorting

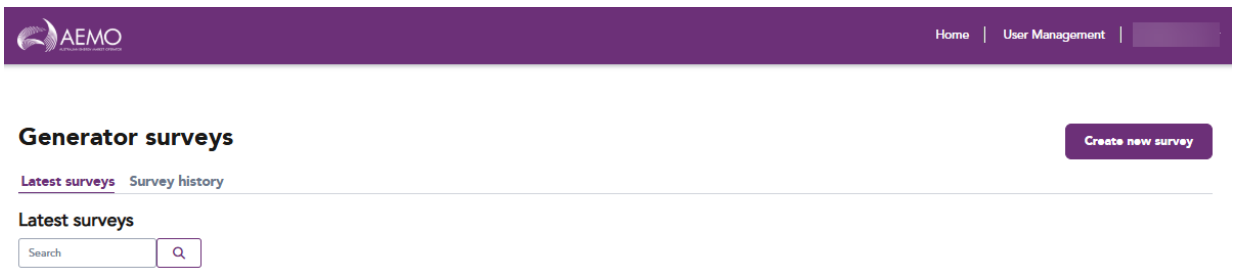
You can sort the table by clicking on any column heading.

5.2 Manage surveys

5.2.1 Creating a new survey

To create a new survey:

1. Go to **Generator Survey Application > Home.**
2. Click **Create new survey**.

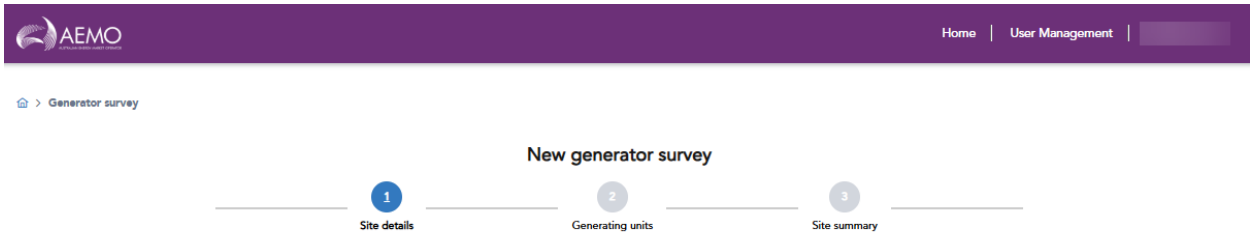


3. Click on **Start survey**.
4. Complete the 3 sections of the survey:

a. **Site details**

b. **Generating units**

c. **Site summary**



5. Click on **Submit.**

5.2.2 Editing a survey

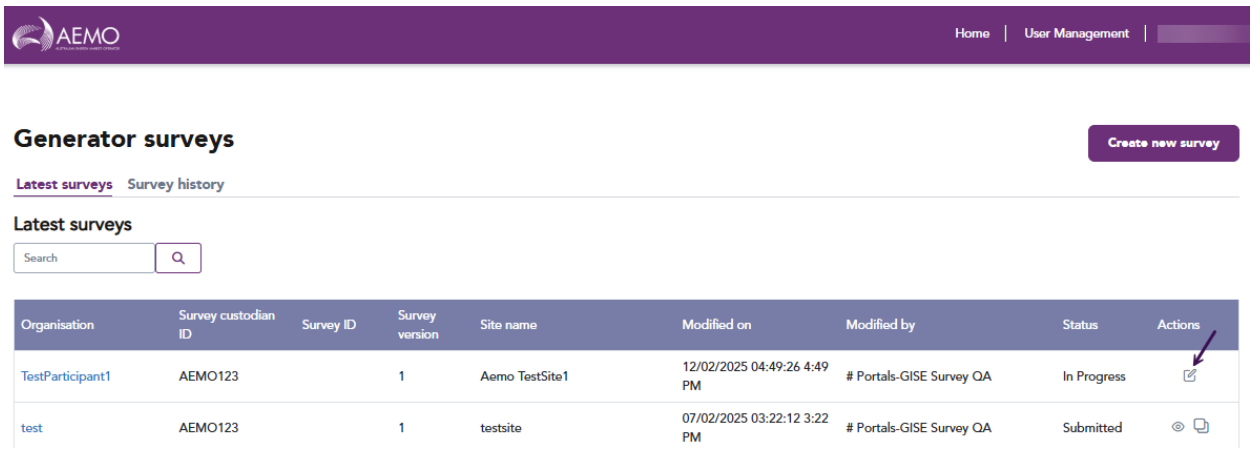
Prerequisite

The survey status is **In Progress**.

Process

To edit a survey:

1. Go to Generator Survey Application **> Home**.
2. Under Actions, click **edit icon**.



3. Edit the required fields
4. Click Save and exit.

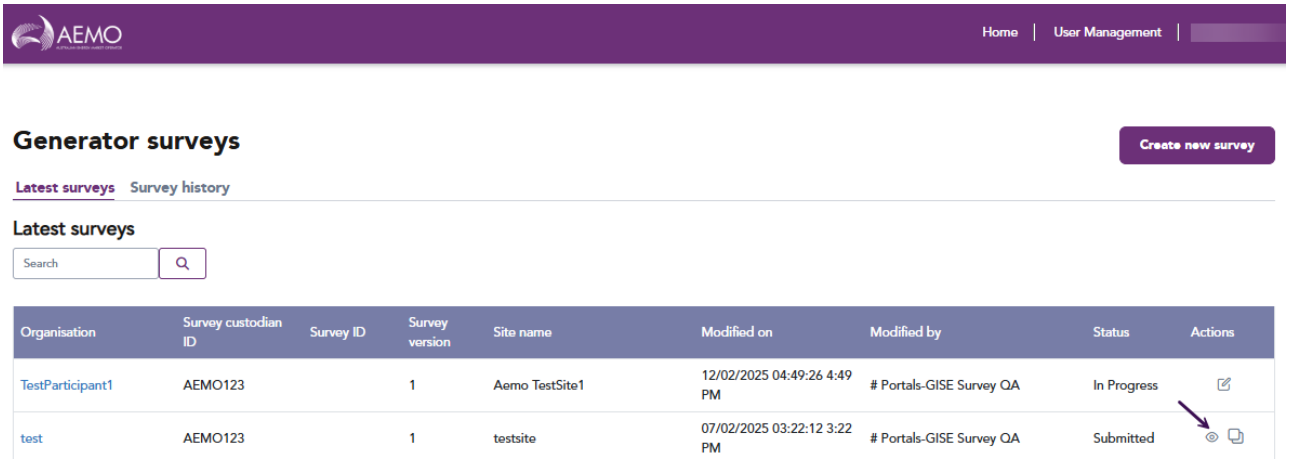
5.2.3 Searching and sorting surveys

Same as **Searching and sorting user contacts**

5.2.4 View a submitted survey

To view a submitted survey:

1. Go to **Generator Survey Application > Home.**
2. Under **Actions**, click **eye icon**.



3. The survey opens in read-only mode.

5.2.5 Submitting a survey

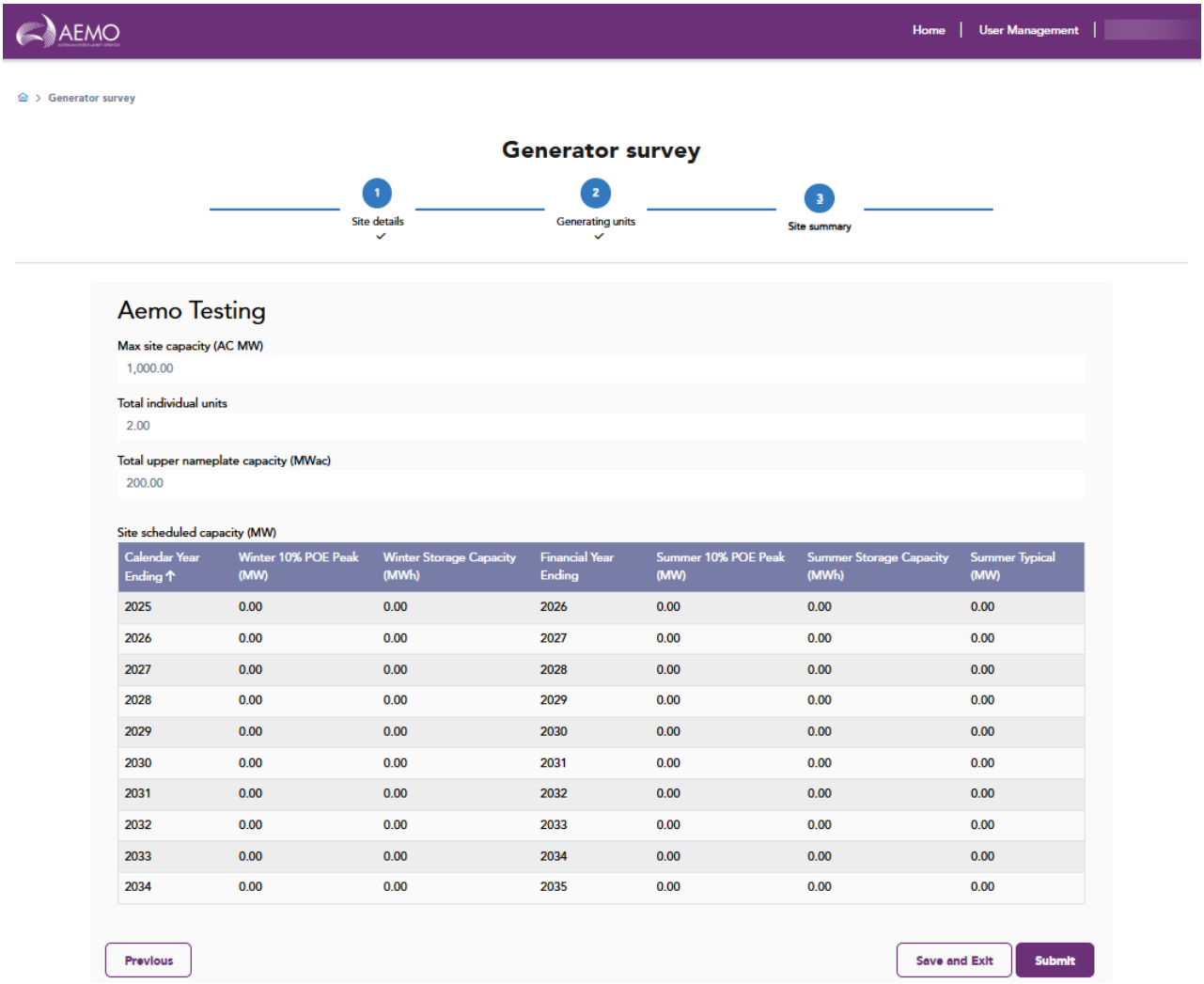
Prerequisite

The survey status is **In Progress**.

Process

To submit a survey:

1. Go to **Generator Survey Application > Home.**
2. Under **Actions**, click **edit icon**.
3. Use **Next** and **Previous** button to navigate to **Site summary**.



4. Review the summary.
5. Click **Submit**.

5.2.6 Creating a new version of a survey

Prerequisite

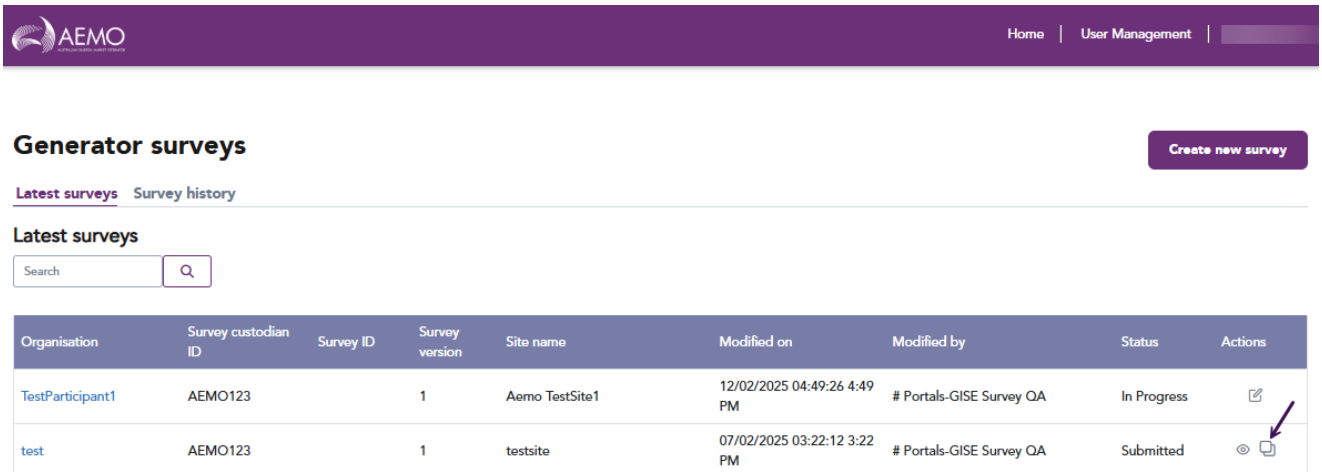
The survey status is **Submitted**.

Process

To create a new version of a survey:

1. Go to **Generator Survey Application > Home.**

2. Under **Actions**, click **clone icon**.



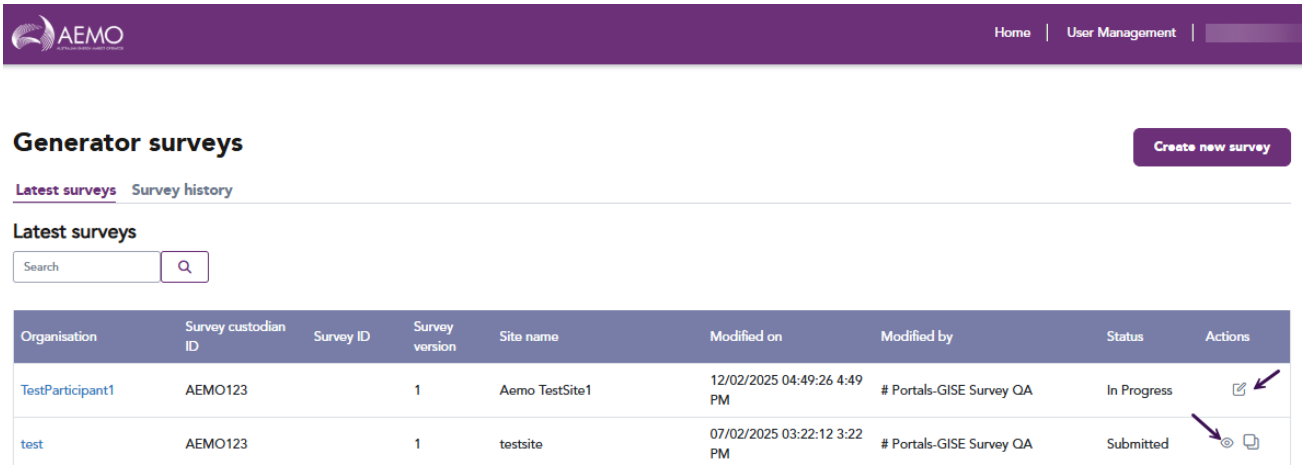
3. **A new version of the survey is getting created** message displays on the screen.
4. The new survey version opens in editable mode with prefilled sections from the previous version.
5. Make the required changes.
6. Click **Save and exit** or **Submit**.

5.3 Manage generating units

5.3.1 View a generating unit

To view a generating unit:

1. Go to **Generator Survey Application > Home.**
2. Under **Actions**, click **eye icon** if the survey status is **submitted** or click **edit icon** if the survey status is **In Progress**.



3. Use this **Next** and **Previous** buttons to navigate to **Generating units**.

5.3.2 Editing a generating unit

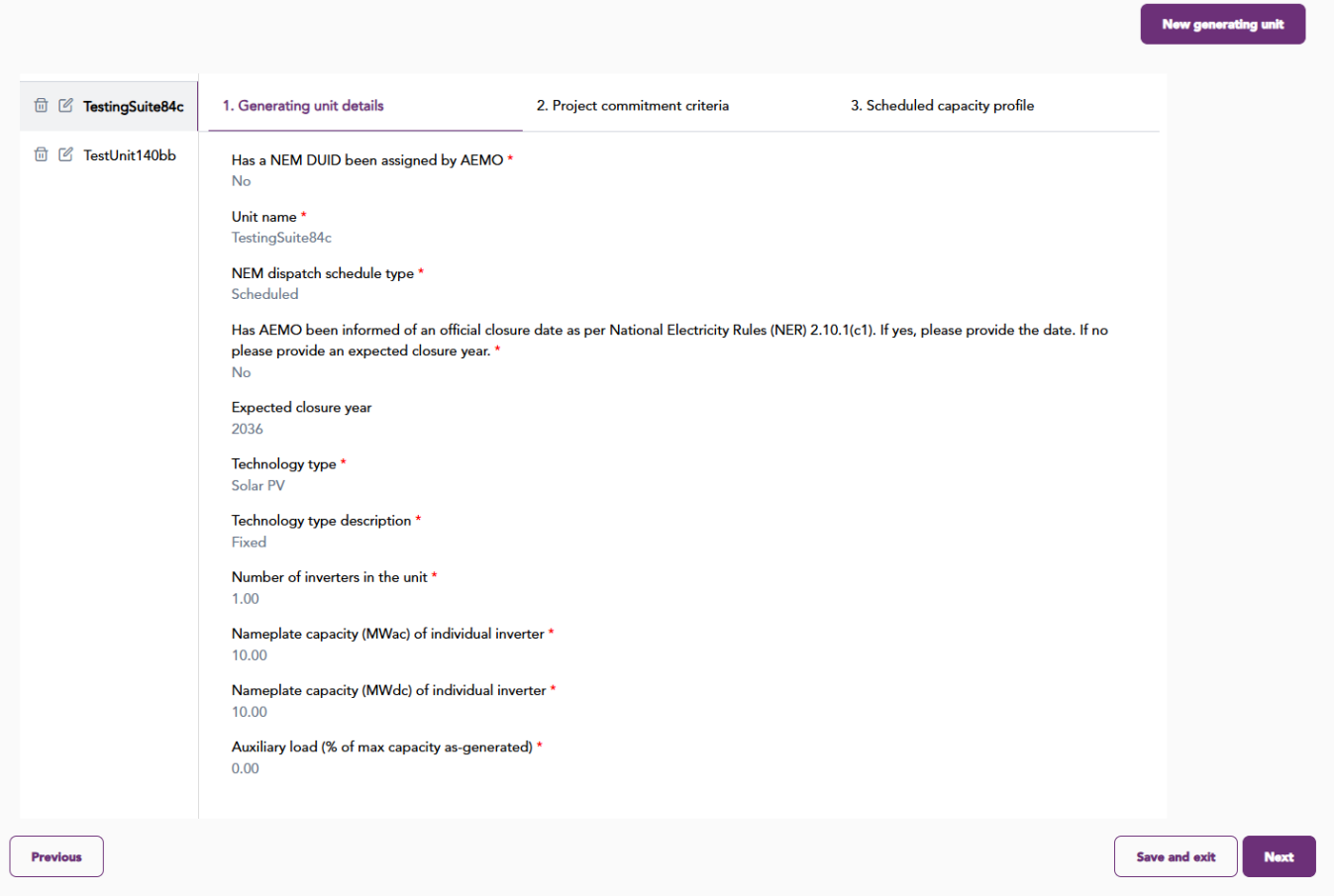
Prerequisite

The survey status is **In Progress**.

Process

To edit a generating unit:

1. Go to **Generator Survey Application > Home.**
2. Under **Actions**, click **edit icon**.
3. Use **Next** and **Previous** button to navigate to **Generating units**.
4. Click **edit icon** present beside the generating unit's name.



5. Make the required changes.
6. Click **Save**.

5.3.3 Creating a new generating unit

Prerequisite

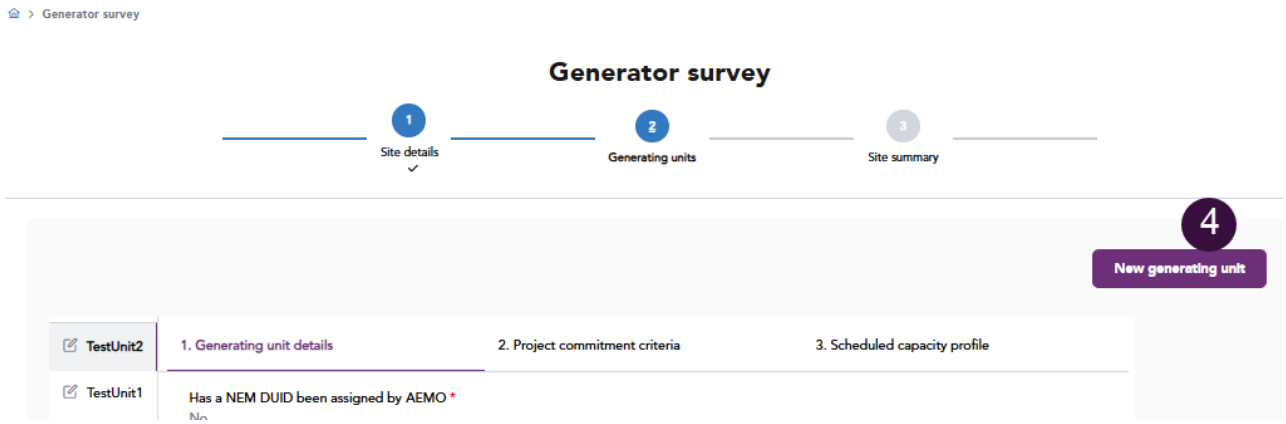
The survey status is **In Progress**.

Process

To create a new generating unit:

1. Go to **Generator Survey Application > Home.**
2. Under **Actions**, click **edit icon**.
3. Use **Next** and **Previous** button to navigate to **Generating units**.

4. Click **new generating unit** button.



5. Complete the 3 sections of the generating unit:
    a. **Generating unit details**
    b. **Project commitment criteria**
    c. **Scheduled capacity profile**
6. Click **Save**.

5.3.4 Deactivating a generating unit

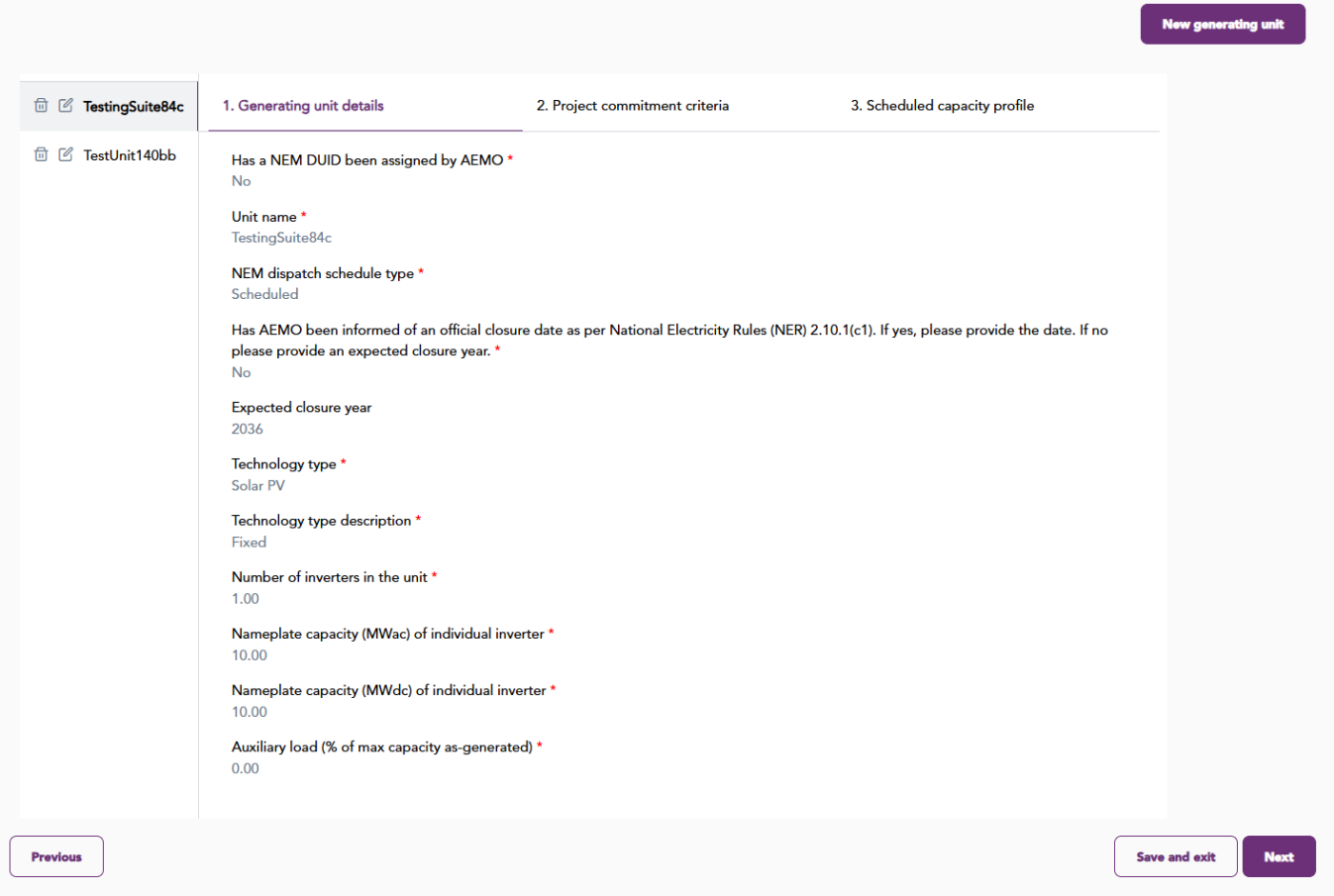
Prerequisite

The survey status is **In Progress**.

Process

To deactivate a generating unit:

1. Go to **Generator Survey Application > Home.**
2. Under **Actions**, click **edit icon**.
3. Use **Next** and **Previous** button to navigate to **Generating units.**
4. Click the **bin icon** present beside the generating unit's name.



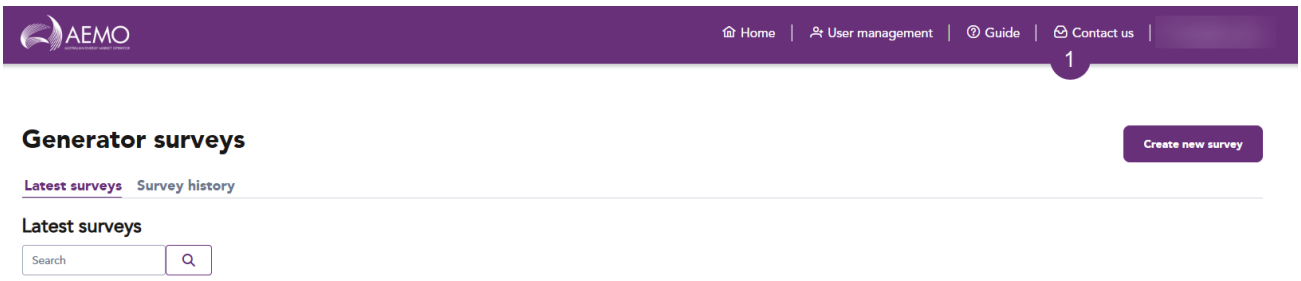
5. The generating unit deactivates and disappears from the survey.

5.4 Contact us and guide

The application has a contact us feature where you can raise any issues. We also have a guide with all the details for using different functionalities of the application.

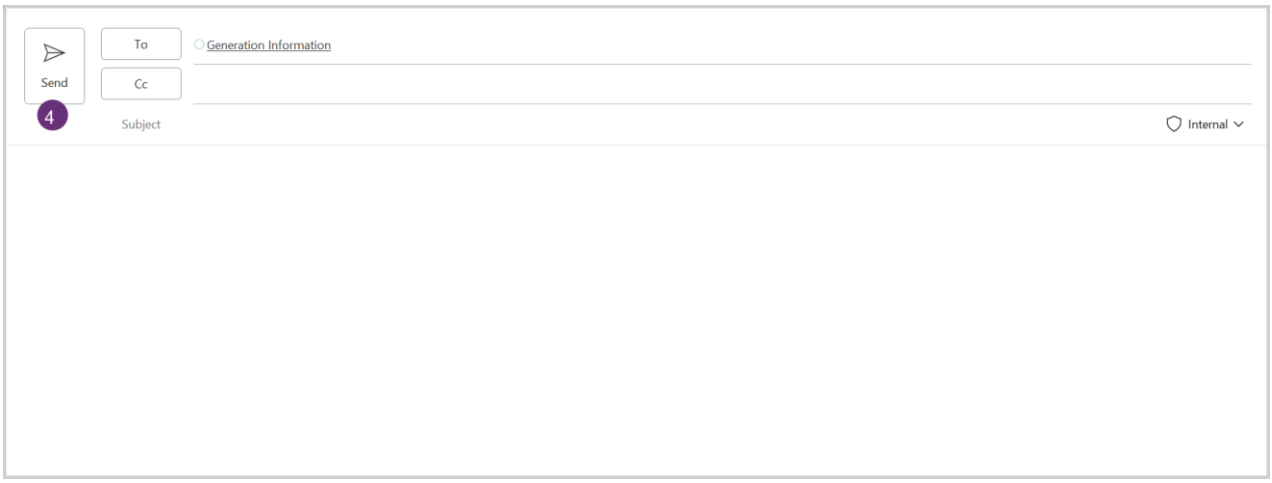
To contact us:

1. On the top navigation bar, click **Contact us**.



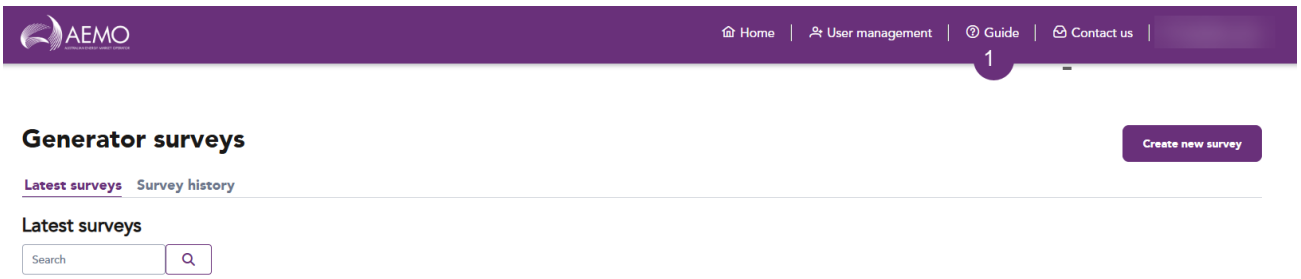
2. A mailbox opens.

3. Fill the details.
4. Click Send.



To access guide:

1. On the top navigation bar, click **Guide**.



2. You are redirected to the guide.

6 FAQs

6.1 Will these changes about the generator surveys cover new generators and existing generators?

Yes, both existing and new generators are covered. The new generator survey includes all scheduled, semi-scheduled, and non-scheduled generators in NEM. All existing surveys from the older application migrate to the new application.

7 Implementation

7.1 Transition

There is no transition required for this release.

7.2 Upgrading

There is no upgrade required for this release.

7.3 Implications

N/A

7.4 Risks

TBC

8 Terms

8.1 Rules Terms

You can find the following terms defined in the **National Electricity Rules (NER)**.

Term
AEMO
AEMO Markets Portal
NEM

8.2 Glossary

You can find a full list of AEMO glossary terms in **Industry Terminology** on AEMO's website.

Abbreviation/Term	Explanation
EMMS	Electricity Market Management System; software, hardware, network and related processes to implement the wholesale energy market
GISE	Generation Information System Enhancements
Generator Survey User	Any Participant who is obligated or requested to submit data to AEMO
Release	EMMS - Technical Specification - November 2025
Release Dates	Pre-production: Monday 20 October 2025 (TBC) Production: Tuesday 25 November 2025
TBC	To be confirmed

9 References

N/A

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