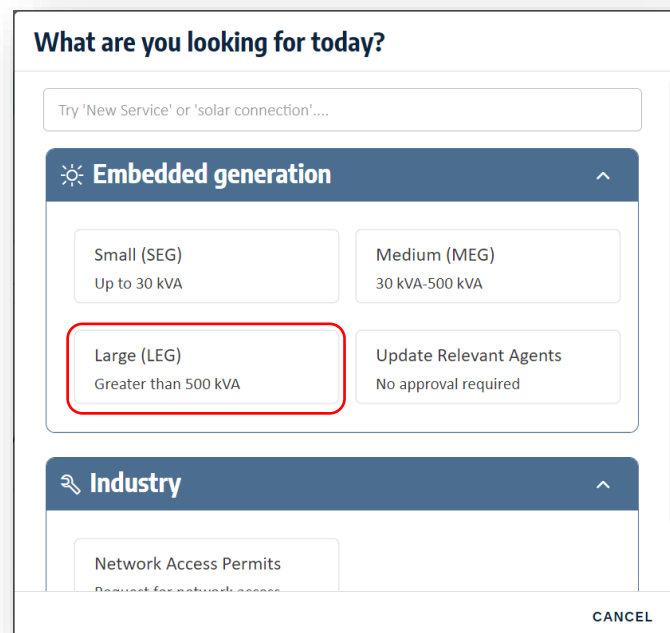
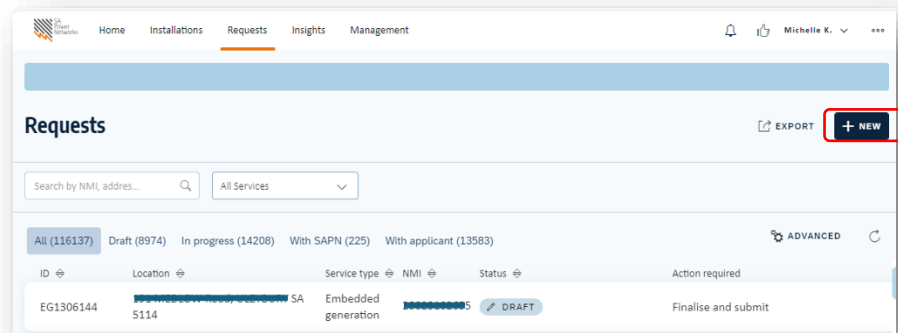


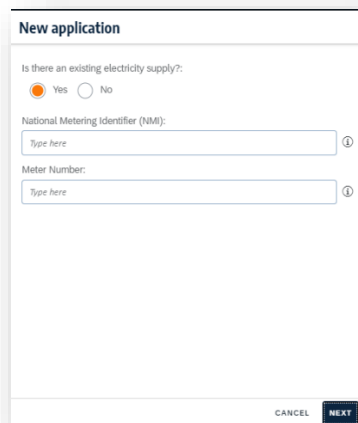
How do I create a LEG application?

This document describes the steps involved in applying for Large Embedded Generation.

1. Click the “Apply” button on the dashboard, then select the size of the EG “Large (LEG)”.



2. If there is an existing supply enter the NMI and Meter number for the site



New application

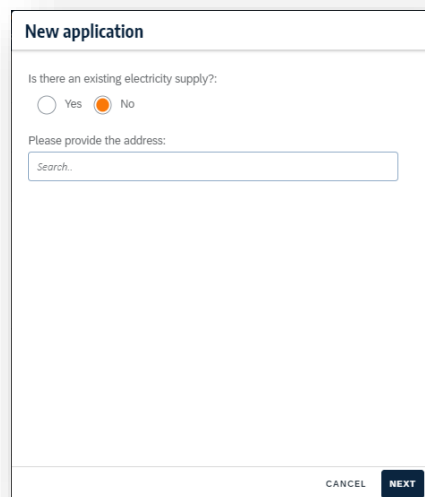
Is there an existing electricity supply?:
☒ Yes ☐ No

National Metering Identifier (NMI):
 ⓘ

Meter Number:
 ⓘ

CANCEL NEXT

If the site has no supply, you can provide the address instead of NMI and Meter.

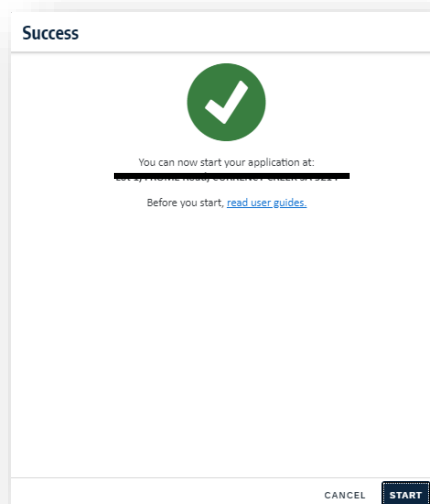


New application


Is there an existing electricity supply?:
☐ Yes ☒ No

Please provide the address:

CANCEL NEXT



Success



You can now start your application at:
~~https://www.meterconnect.com.au/leg~~

Before you start, [read user guides](#).

CANCEL START

3. If you entered the NMI and meter instead of address, the address will be displayed. Use the “Suggest a change” option and enter the correct address if this is in correct. Then click “Next”.

Application ID: EG1193903 Meter Number: 213643 NMI: [REDACTED]

Location details

National Metering Identifier (NMI): [REDACTED]

Meter Number: [REDACTED]

Address: [REDACTED]

Is the address incorrect?
[Suggest a change](#)

Total Capacity ⓘ
Incl. capacity of all NMIs in this group.

Current: 0kVA Proposed: 0kVA

Next > **SAVE** **EXIT**

Please provide the address

167-195 CARLTON PDE, PORT AUGUSTA SA 5700

CANCEL

4. If the NMI is part of a group, the other NMIs in that cluster will be displayed. You can indicate which NMIs will be included in the application, and you can add more NMIs. Then click “Next”

Group details

This NMI is part of a shared service/connection point or 'group'.

This application will be assessed on the total proposed installation, including all other NMIs in the group.

To apply for a group of NMIs...
Select all NMIs that will be affected by this application.

If you choose to select multiple NMIs, you can include changes to any NMI's from a shared service/connection point in one application.

Please Note: This means you'll be required to close out on all NMIs at the installation stage.

NMIs in group

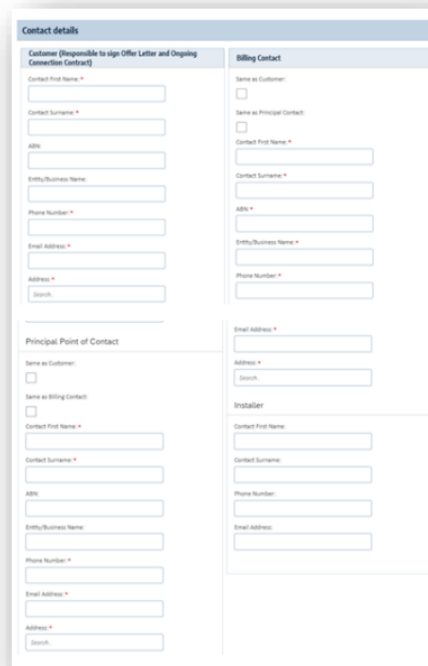
NMIs in group	<input type="checkbox"/> Select all
[REDACTED] (this NMI)	<input checked="" type="checkbox"/> Added
[REDACTED]	<input type="checkbox"/> Add to application

Is this group incorrect? [Add another NMI](#)

5. Enter the contact details and then click “next” to proceed
 - The customer is the person who is responsible to sign the contract
 - The principal point of contact is the person with whom SA Power Networks will be liaising
 - The Billing contact is the person / organisation who will be receiving and paying invoices

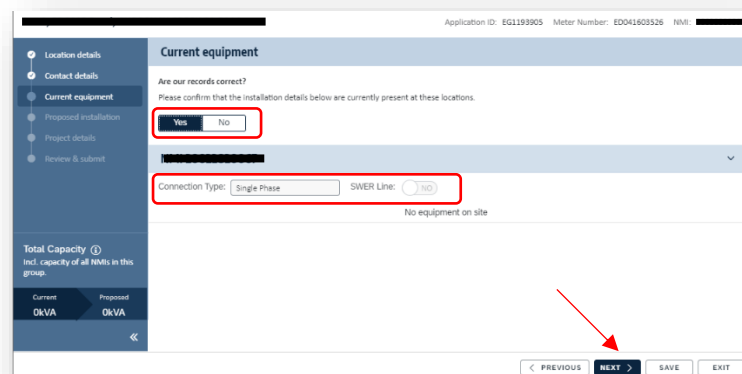
- Enter the installer contact information if known

Note you can use the “Same as” check boxes if any contact people are the same.



6. Any existing equipment (either installed or approved) located at the site will be displayed. If the information is correct, indicate “yes” and proceed by clicking next. If it is incorrect, click “No” to be able to edit the information. Note: if the application relates to a group of NMIs this information will be repeated for each NMI in the group or cluster.

Make sure you have selected the correct phase from the connection type drop-down list



7. The “Proposed installation” page will be displayed. Click “Add AC Connection”. Note: if this applies to a group of NMIs (cluster) you will be able to repeat these steps for each NMI in the cluster

8. Select the inverter type from the drop-down box

9. Select the manufacturer from the drop-down box, then select the model

If the AC connection device is not in the list, or is not yet known, you will be able to select “Unknown” for the manufacturer and model when submitting the application, the actual information will need to be completed before approval can be granted. In this example, PV panels auto populated in the form because a PV inverter was entered for the AC connection.

Enter the panels details as well.

Device	Manufacturer	Model	Quantity	Capacity
PV Inverter	Fronius Australia ...	Select Model	1	
PV Panels	Select Manufactu...	Primo 3.0-1 (AS4777-2 2020)	1	

+ ADD DEVICE Relevant Agent: Select Relevant Agent...

+ ADD AC CONNECTION

10. The form will automatically populate the kVa for the inverter, you can manually edit the generation capacity that is being requested if the manufacturer and model are unknown.

Device	Manufacturer	Model	Quantity	Capacity
PV Inverter	Fronius Australia ...	Primo 8.2-1 (AS4777-2 2020)	100	820 kVA
PV Panels	FuturaSun srl	FU 460 M/V Silk Pro	200	92 kW

+ ADD DEVICE Relevant Agent: Select Relevant Agent... Relevant Technology:

+ ADD AC CONNECTION

11. You can continue to add devices or inverters, as required. For PV you are required to select a relevant agent from the drop-down list. For LEGS select SA Power Networks SCADA control.

Device	Manufacturer	Model	Quantity	Capacity
PV Inverter	Fronius Australia ...	Primo 8.2-1 (AS4777-2 2020)	100	820 kVA
PV Panels	FuturaSun srl	FU 460 M/V Silk Pro	200	92 kW

+ ADD DEVICE Relevant Agent: SA Power Networks - SCADA Control

+ ADD AC CONNECTION

12. Once you have entered all devices for the AC Connection or inverter, select the export limiting device, if requested, and click "Next".

13. The project details page is displayed. Tick the checkbox alongside Power Factor Control units if any will be included in the installation. Power Factor Control Detail fields will be displayed, enter the manufacturer, make, capacity, quantity and indicate if it will be placed at the connection point. If manufacturer and model are not yet known, it is acceptable to enter “unknown” provided this information is supplied before the offer is accepted.

14. Tick the checkbox alongside Var support if any will be included in the installation. Var support fields will be displayed, enter the manufacturer, model, and capacity. If manufacturer and model are not yet known, it is acceptable to enter “unknown” provided this information is supplied before the offer is accepted.

15. Tick the checkbox alongside Backup generators if any will be included in the installation. Backup generator fields will be displayed, enter the manufacturer, model, and capacity. If

manufacturer and model are not yet known, it is acceptable to enter “unknown” provided this information is supplied before the offer is accepted.

The screenshot shows the 'Project details' form. Under the 'System Controls' section, there are three checkboxes: 'Power Factor Control Unit(s)', 'VAr Support', and 'Backup Generators'. The 'Backup Generators' checkbox is highlighted with a red box. A red arrow points from this box to a zoomed-in view of the 'Backup Generators' section on the right. This section has a checked checkbox and three input fields: 'Manufacturer: *', 'Model: *', and 'Capacity (kVA): *'.

16. Enter information about the site

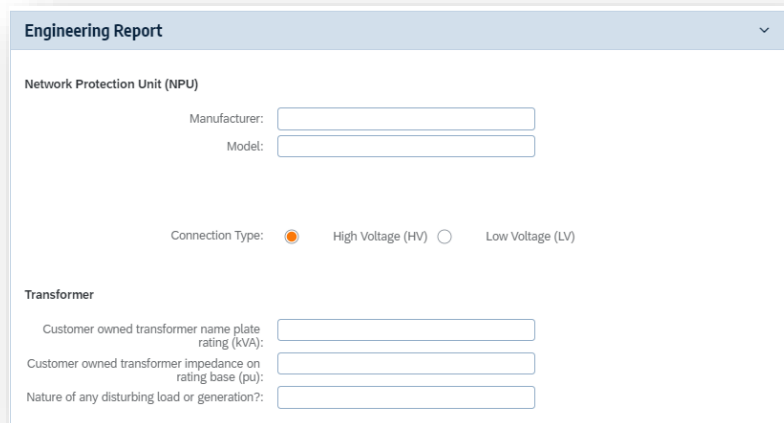
- Current minimum demand – the minimum load the site currently pulls from the grid for new sites this will be 0 kVA
- Current maximum demand – the authorised current capacity as agreed with SA Power Networks i.e. the maximum load the site currently pulls from the grid for new sites this will be 0 kVA
- Proposed site total demand – enter the proposed maximum demand or enter the current maximum load if this will remain unchanged

The screenshot shows the 'Site Information' form with the following fields: 'Current Minimum Demand (kVA): *', 'Current Maximum Demand (kVA): *', 'Proposed Site Total Demand (kVA): *', 'Proposed Connection Voltage: *' (a dropdown menu), 'Connection Point Power Factor: *' (a text input with '1' entered), and 'Approximate date of system energisation: *' (a date picker showing 'dd/mm/yyyy').

17. Enter information about the operating philosophy and describe how export limiting will be achieved, if applicable.

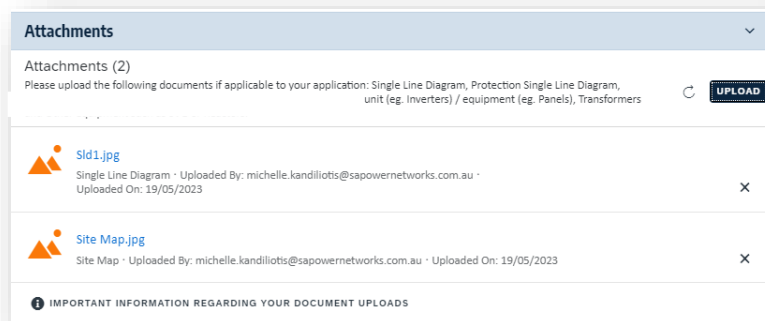
The screenshot shows the 'Operating philosophy (generating system and onsite load)' form. It has a title bar with a star icon and a character count '0/5000'. Below the title is a text area containing an example: 'EXAMPLE: Supply on site auxiliary load, export from solar PV and storage of surplus solar energy in BESS for subsequent export; BESS will be charge/discharged from/to the Network subject to the energy spot price; BESS is designed to export to the Network for energy arbitrage and contingency FCAS events...'. Below this is another section titled 'Please explain how the export limiting will be achieved: *' with a character count '0/5000'. It contains another example: 'EXAMPLE: The maximum export control system must operate to limit the export below the maximum specified value, also considering the specified ramp-rates. The protection relay will take readings of the incoming supply on site. The Data Manager is connected to the protection relay via Modbus TCP/IP and will use the protection relay CT as a meter. The Data Manager will hence monitor the power import/export to and from the grid via the protection relay. The Data Manager is connected to all inverters on site and controls their power output dynamically based on the grid reading...'.

18. In this section, details required for the Engineering report need to be provided. Often at time of application this information is not known and is not mandatory at initial application. These details can be entered later however are required to be able to provide an Engineering report.



The screenshot shows the 'Engineering Report' section of a web portal. It contains two main sections: 'Network Protection Unit (NPU)' and 'Transformer'. The NPU section has input fields for 'Manufacturer:' and 'Model:', and a 'Connection Type:' section with radio buttons for 'High Voltage (HV)' (selected) and 'Low Voltage (LV)'. The Transformer section has input fields for 'Customer owned transformer name plate rating (kVA):', 'Customer owned transformer impedance on rating base (pu):', and 'Nature of any disturbing load or generation?:'.

19. Use the upload button to attach documents. In order to submit, a site plan showing the generating systems location must be attached. After submitting the application but prior to the Engineering report, single line diagram, site map, and 3 data sheets must also be attached.



The screenshot shows the 'Attachments' section of the web portal. It displays two uploaded documents: 'Sld1.jpg' (Single Line Diagram) and 'Site Map.jpg' (Site Map). Each document entry includes the filename, a description, the uploader's email address, and the upload date. There is an 'UPLOAD' button and a list of document types to upload: Single Line Diagram, Protection Single Line Diagram, unit (eg. Inverters) / equipment (eg. Panels), Transformers. At the bottom, there is a section titled 'IMPORTANT INFORMATION REGARDING YOUR DOCUMENT UPLOADS'.

20. Click next once the site information is complete
21. The entire application is displayed. You can choose to use the previous button edit any section, add supporting information here, and then agree to the terms displayed, and then click submit when ready.

EXPORT LIMITING DEVICE ▾

SA Power Networks SCADA- RTU

Comments (optional): 0/5000

☒ I formally request SA Power Networks undertake investigations in response to the application to connect, having read, and agreed to [the fee code and conditions of submission](#).

☐ I have obtained all required consents, approvals and/or authorisation and acknowledge this approval is subject to the limitations of the premise internal network.

☐ I have read and agree to SA Power Network's [Consent for Relevant Agent Appointment Terms and Conditions](#).

< PREVIOUS **SUBMIT >** SAVE EXIT

22. The approved application will be displayed on your dashboard. An approval email will be sent to your email address and the customer address that you entered in step [5](#). The progress of the application and its current status will be displayed in the bottom right corner.