

# SolShare DNSP Interconnection Guide

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## DISCLAIMER

This document is intended to provide guidance on how to apply for interconnection of a rooftop PV installation with a SolShare on different distribution networks in Australia. It should be read in conjunction with applicable annexes. This document does not override official guidance from Distribution Network Service Providers (DNSPs). It is the responsibility of the solar design engineer to ensure the shared solar installation meets the relevant requirements of the DNSP, including their Service and Installation Rules.

If you have any questions with regards to the contents of this document, please do not hesitate to contact Allume Energy at [interconnections@allumeenergy.com.au](mailto:interconnections@allumeenergy.com.au).

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## **LIST OF ABBREVIATIONS**

AEMO = Australian Energy Market Operator

CCEW = Certificate of Compliance for Electrical Work

CES = Certificate of Electrical Safety

CX = Connection Application

DER Register = AEMO's Distributed Energy Resource Register

DNSP = Distribution Network Service Provider

ESV = Electricity Safety Victoria

EWR = Electrical Work Request

LEI = Licensed Electrical Inspector

LV = Low Voltage

MSB = Main Switch Board

NATA = National Association of Testing Authorities

NMI = National Metering Identifier

PV = photovoltaic

RPEQ = Registered Professional Engineer of Queensland

SHP = Social Housing Provider (i.e. a Public Housing Provider or a Community Housing Provider)

SLD = Single Line Diagram

SEG = Small Embedded Generation

SPA = Solar Pre-Approval

# VICTORIA

## **Important Note for Victorian DNSPs**

For all Distribution Network Service Provider (DNSP) interconnections in Victoria it is necessary to apply for a network exemption from the Victorian Essential Services Commission. This is a straightforward process that can be quickly completed by following the steps provided in Annexure A0 to this DNSP Interconnection Guide.

## Citipower/Powercor/United Energy

### Staging of process

The process for Citipower/Powercor/United Energy is in two phases. One precedes installation of the rooftop PV system; the second follows installation of the rooftop PV system. It is recommended that SolShare Installation Partners familiarise themselves with all steps of the process prior to commencing the interconnection application or on-site works. It can take a few weeks of lead time to gather the information required to complete the pre-installation documentation.

### Pre-installation of rooftop PV system

1. Submit a Solar Pre-Approval via the [eConnect/MyEnergy Portal](#). This pre-approval will cover the total Inverter Rated Output to be installed on the site and must be raised under the general light and power NMI. If the building doesn't have a general light and power NMI, you will need to allocate a dedicated NMI, which will serve as the **Host NMI** for the SolShare Application.
2. Complete and return [Solshare Spreadsheet](#) with the following details stipulated:
  - a. Project Manager details
  - b. Designated "Host" NMI details
  - c. Solar Pre-Approval Reference
  - d. Single Line Diagram
  - e. Solshare participant NMIs, Meters, and customer details

Once the SPA and SLD have been evaluated, they will send you the appropriate Generator Agreement for completion and return.

You are now ready to proceed to installation of the rooftop PV system, including the SolShare.

### Post-installation of rooftop PV system

Following installation of the rooftop PV installation and SolShares, you will need to get the installation inspected by a Licensed Electrical Inspector (LEI). The LEI will need to issue a Certificate of Electrical Safety (CES) for each NMI connected to the SolShare.

*Note that a prescribed CES must be issued for each NMI. Non-prescribed CESs will not be accepted by Citipower/Powercor.*

Keep the CES for each NMI on file in-case requested in future by Citipower/Powercor.

**After the System has been installed and CES's have been issued:**

Alteration Request on Host NMI: You are required to submit a Connection Request on the Host NMI via the eConnect/MyEnergy Portal, with the below details:

1. Total AC Connection and total DC (Panels/Battery) installed at the site.
2. Certificate of Electrical Safety for Host NMI.
3. Commissioning documents: Australia A Grid Settings and Proof of Serial Number/s.
4. SolShare Commissioning document.

Once this has been submitted, please email through the remaining Certificates of Electrical Safety for the Individual NMIs for Citipower ([newenergyservices@powercor.com.au](mailto:newenergyservices@powercor.com.au)) to validate.

After all validations are complete, Citipower will send service order requests to the customers retailer. As the service orders are returned, they will organise the meter to be reconfigured for bi-direction flow and the solar tariff will be applied.

**Ongoing responsibilities of the Solar Installation Partner**

Citipower/Powercor reserves the right to request access to the embedded generation system, including the SolShare, on request of the Solar Installation Partner. The contact details of the Solar Installation Partner are lodged in the eConnect system when submitted the interconnection request.

If an end-user connected to a SolShare is physically and permanently disconnected from the rooftop PV system (i.e., the wired connection between the SolShare and the end-user's circuit is removed), Citipower/Powercor must be notified through eConnect, and Allume Energy must be notified at [support@allumeenergy.com.au](mailto:support@allumeenergy.com.au). Note that this does not need to occur if the end-user has simply been disconnected through the Solar Isolator switch for their circuit.

# Jemena Energy Networks

## Staging of process

Interconnection application must proceed and confirmation from Jemena that the design is acceptable must be received prior to proceeding with on-site installation.

*Note: If the installation has a total capacity above 30kVA (even if multiple inverters or multiple SolShares are used) it will be essential to follow [Jemena's guidelines](#) on system design for systems of this scale.*

## Interconnection application process

1. Apply for a network exemption from the Victorian Essential Services Commission. This is a straightforward process that can be quickly completed by following the steps provided in Annex A0 to this DNSP Interconnection Guide.
2. Email [generation\\_enquiries@jemena.com.au](mailto:generation_enquiries@jemena.com.au) and carbon-copy [ConnectionPointCompliance@jemena.com.au](mailto:ConnectionPointCompliance@jemena.com.au), [interconnections@allumeenergy.com.au](mailto:interconnections@allumeenergy.com.au) and state in the email that you will proceed to apply for interconnection of a SolShare installation. Include in the email the following documents for the shared solar installation:
  - a. The network exemption application number from the Essential Services Commission, as per step 1 above.
  - b. A copy of the design SLD.
  - c. SolShare should be installed in a location that is classed as common property. If a building has multiple floors, then a SLD should be submitted to Jemena clearly showing that install locations are common property.
  - d. An Inspection and Test Plan for the rooftop PV installation.
  - e. A SolShare Commissioning Plan, with template available at Annex A2-1.
  - f. A SolShare Anti-Islanding Functionality Test Plan, with template available at Annex A2-2.
3. Apply for interconnection of embedded generation at [myservices.jemena.com.au](http://myservices.jemena.com.au) by applying for the full inverter capacity against one NMI that will be participating in the shared solar installation.
4. Pay for the application fee to complete the submission.
5. Once Jemena has confirmed by email that the design is acceptable and the interconnection approved, you are free to proceed to installation.

## Ausnet Services

No installations have proceeded in the Ausnet Services network at this stage. However, they are currently working to develop their process in preparation for a greater influx of SolShare interconnections. Whilst this process is being developed, please reach out to ***preapprovals@ausnetservices.com.au*** with your project information.

Please get in touch with Allume when you reach out to Ausnet so we can work with them on the interconnection process for your project.

# NEW SOUTH WALES

## Ausgrid

### Staging of process

Interconnections for Ausgrid need to be via their [Connections](#) page of the website. The steps below must be completed prior to works commence at site to confirm there is no grid congestion at the intended point of installation.

### Steps for interconnection application prior to installation

1. Submit embedded generation application for the common light and power NMI based on the full system size (inverter capacity) for the SolShare installation(s) at site. i.e., if there are two SolShares, each with 10kW inverters connected, apply for interconnection with 20kW against the house lights/common light and power NMI regardless of whether it is connected to the SolShare or not.
2. To highlight the application to Ausgrid’s Energy Transformations team for technical assessment, the applicant must:
  - a. Make note in the comments field as per Figure 1 below.



Figure 1 - Ausgrid portal comments section

- b. In addition to this comment, a statement must be provided to the effect that all the NMI owners consent to being part of the collective application and that they agree to the terms of the Ausgrid Model Standing Offer Basic Connection Services – Micro Embedded Generation Connections.

*Note: The applicant will need to get this consent prior to submitting the application on behalf of the electricity customers and keep this consent on file. The consent can be provided by an Authorised Representative of an Owners Corporation or Social Housing Provider.*

*Note: If the system is >30kVA (i.e. the sum of all inverter capacities at site exceeds 30kVA), the Solar Installer will need to follow the additional steps in the application process of submitting single line diagram and control and protection schematics as per Ausgrid’s [Network Standard NS194 Secondary Systems Requirements For Embedded Generators](#).*

- c. Answer “Yes” to the question “My installation is part of a multi-tenanted premises or embedded network that has existing inverter connected Generation installed” and then answer “9999” to the question “Total existing inverter connected generation kW” as per Figure 2 below.



My installation is part of a multi-tenanted premises or embedded network that has existing Inverter connected Generation installed.  Yes  No

\*Total existing inverter connected generation kW

9999

Figure 2 - Ausgrid portal inverter capacity section

- d. When asked to expedite the connection offer for all premises, select “Yes” then “Basic connection services – Micro EG connections” as per Figure 3 below.

EXPEDITED CONNECTION

Do you want to expedite your connection offer for all premises?  Yes  No

Basic connection services - 100 Amps connections (Download here)

\* Basic connection services - Micro EG connections (Download here)

Standard connection services - offsite Ausgrid augmentation works (Download here)

Basic connection services - over 100 Amps connections (Download here)

Standard connection services - Ausgrid augmentation (substation upgrade) (Download here)

Standard connection services - contestable ASP1 connections (Download here)

I do not know which one of these offers is relevant

Figure 3 - Ausgrid portal expedited connection section

- e. Once the application has been submitted, the applicant will need to send a copy of the *Ausgrid Interconnection Details for Allume Energy SolShare* spreadsheet available at Annex B1-1 with all required information filled out to [eg@ausgrid.com.au](mailto:eg@ausgrid.com.au) and carbon-copy [interconnections@allumeenergy.com.au](mailto:interconnections@allumeenergy.com.au).
- i. Note that all connected NMIs of the site must be included in the spreadsheet.
  - ii. If the total system capacity is below 30kVA, please attach the SLD for the proposed design.
3. Once the application has been received, the Energy Transitions team will assess the application and manually enter all data for the site into Ausgrid systems and the Distributed Energy Register (DER). This manual entry will come at a cost and will be billed to the applicant in addition to an inspection fee.

## Post-installation inspection

4. A mandatory inspection is required for each SolShare installation before the generator installation is permanently electrified. Once the rooftop PV installation is complete and the SolShare(s) have been commissioned, de-energise the rooftop PV system and send the following documentation to [eg@ausgrid.com.au](mailto:eg@ausgrid.com.au) and carbon-copy [interconnections@allumeenergy.com.au](mailto:interconnections@allumeenergy.com.au):
- a. Certification that the installation has been installed as per approved design.

- b. A copy of as-built design drawings which include voltage rise calculations.
  - c. A test plan and test report undertaken by suitably qualified people and using NATA-approved test equipment (when required for systems >30kVA)
  - d. A copy of the CCEW.
  - e. Acceptance of the connection offer in the Ausgrid online portal.
5. An Ausgrid officer will review the settings and as-built drawings and if there are substantial differences to the initial design Ausgrid shall request that revised drawings be resubmitted and new fees will apply.
  6. You will receive a job number from Ausgrid within 10 business days. Once you have received the job number, please email [operationalsupport@ausgrid.com.au](mailto:operationalsupport@ausgrid.com.au) to arrange a mandatory installation inspection using the job number.
  7. Once the inspection has successfully been completed, the rooftop PV system can be re-energised.

## Endeavour Energy

The SolShare Installation Partner will complete the application on behalf of a project proponent, which can be a Strata Corporation (or delegated Strata Manager), Social Housing Provider or Property Developer. This proponent shall coordinate the application process on behalf of all participating customers with Endeavour Energy.

The application for interconnection must be made prior to work commencing on site.

### Application for interconnection

1. The proponent must ensure each participating customer (per NMI) completes Endeavour Energy's [Application for Connection of a Generator form \(FPJ6008\)](#) (also available at Annex B2-1) to indicate each individual customer understands and agrees with Endeavour Energy's *Model Standing Offer for a Standard Connection Service*. The *Generation System Details* and *Additional Information* sections of the form must be left blank. The completed forms shall be combined into a single PDF file.
2. The proponent shall complete a separate *Application for Connection of a Generator form (FPJ6008)* for the Common Property NMI. *Generation System Details* must be completed on this form.
3. The proponent shall complete an *MOU – Shared Solar System* using the template provided at Annex B2-2.
4. The proponent shall package the completed MOU, all completed *Application for Connection of a Generator form (FPJ6008)* forms along with any supporting technical information (SLD, voltage rise calculations) and email the package to [cwadmin@endeavourenergy.com.au](mailto:cwadmin@endeavourenergy.com.au). The email subject and body must clearly mention that the application is for a *shared solar generation system*.
5. A technical assessment will be carried out by Endeavour's technical assessor. A connection offer will be provided within 2 weeks if the assessor is satisfied with all the information provided.
6. A Permission to Connect will be issued to the proponent when the technical constraints (if any) have been addressed and associated application fees have been paid.

### DER Register

The solar installer must complete the DER Register on [AEMO's website](#) using the common light and power/house lights NMI and Endeavour Energy reference number from the Permission to Connect letter.

### Certificate of Compliant Electrical Works (CCEW)

The electrical contractor must submit the CCEW to the NSW Department of Fair Trading. See the [Fair Trading website](#) for more details.

## Essential Energy

The Solar Installer will complete the application on behalf of a project proponent, which can be a Strata Corporation (or delegated Strata Manager), Social Housing Provider or Property Developer. This proponent shall coordinate the application process on behalf of all participating customers with Essential Energy.

The application for interconnection must be made prior to work commencing on site.

### Connection Requirements for a shared solar generation system

For multi-unit developments with individually metered residential customers (non-embedded networks) battery & solar storage systems which interconnect units via the sharing system must comply to the following:

1. The installation is for a multi-occupancy building(s), with one connection point to the distribution network, one management entity responsible for the building(s) and system and located on a single legal land parcel.
2. The system is only for the benefit among the NMIs in the building.
3. No energy transfer between NMI's on the load side of metering.
4. DNSP determines any energy transfer conditions to the electricity network.
5. Ongoing safety, operation and maintenance activities must not compromise the DNSPs connection services obligations at each NMI of the building.
6. The system must not damage, cause quality of supply issues or effect the distribution network or other electrical installation(s) outside of the system.
7. The owner of the building and the electrical installation approves the solar installation and is responsible for the safe installation, maintenance and configuration of the solar system and undertakes to take all steps to avoid compromising the Distribution Network Service Provider's connection services obligations to its customers at each NMI of the building.
8. The electrical installation owner must indemnify the Distribution Network Service Provider of any damage or inconvenience caused to the building or other customers, quality of supply issues, safety risks, and other possible commercial concerns.

### Application for interconnection

1. A single proponent (Body Corporate, Social Housing, Developer or Strata Manager) shall coordinate the application process on behalf of all participating customers with Essential Energy.
2. The proponent shall complete the attached Customer Declaration Form signed by the body corporate or strata manager.
3. The proponent shall complete a LV Connection Application using Essential Connections, Essential Energy's online portal for the full system size (inverter capacity) using the Common Property NMI. Please use application category – Modify an existing or add a new embedded generation system. All system details must be completed on this form. Please ensure that Request to expedite is marked "No". A copy of the Customer Declaration Form and supporting technical information (SLD, VRC calculations, etc) shall be attached to the application.

4. Essential Energy will complete a technical assessment at the connection point (MSB) and provide any site-specific conditions or site export limits where applicable. A connection offer will be provided within 10 business days if the assessor is satisfied with all the information provided.
5. The proponent must ensure each participating customer (per NMI) completes a LV Connection Application to indicate each individual customer understands and agrees with our Model Standing Offer for a Basic Connection Service. Please ensure that Request to expedite is marked “No”. Reference to the initial connection application (Case number) should be included in the description of proposed works sections of the application form. Please also indicate that this is a shared solar site in this section.
6. A connection offer will be provided for each subsequent NMI within 10 business days if the assessor is satisfied with the information provided.

### Distributed Energy Register (DER)

The solar installer must complete the DER Register on [AEMO’s website](#) using the common light and power/house lights NMI and Essential Energy’s reference number on the connection offer.

### Certificate of Compliance Electrical Works (CCEW)

The electrical contractor must submit the CCEW and copies of the as built drawing for the installation using Essential Energy’s [secure web form portal](#).

### Electrical Inspections

Each shared solar site will be inspected by Essential Energy’s Network Assurance Team. An Essential Energy Network Assurance facilitator may contact you to schedule an inspection.

# ENERGY QUEENSLAND

## Introduction

The Energy Queensland [Electrical Partners Portal](#) has been adapted to include new fields for Electrical Partners to select when submitting applications for embedded generation connected to a solar sharing devices such as the SolShare. This part of the portal is available under the “Embedded Generation Sharing” option when commencing and interconnection request.

The Negotiated Connection Contract for SolShare installations on the Energy Queensland network is available at Annex C1. It must be completed for each shared solar installation.

Please note that at this time all installations in Energy Queensland must have a common light and power/house lights connection to the grid, and this must be included in the shared solar installation (i.e. connected to the SolShare).

## Installations below 30kVA

1. The application must be submitted on behalf of the party who will execute the Negotiated Connection Contract. This will be the body corporate or a Social Housing Provider for a social housing building.
2. For the common light and power/house lights NMI where the SolShare device is installed, select “yes”. Note that the primary NMI must be registered as a 3-phase connection (even if it is only single phase). i.e., if the common light and power/house lights NMI is the primary connection, select it as 3-phase to be able to associate the 3-phase inverter. See Figure 4 below for guidance.
3. Once “yes” is selected, drop down the NMIs related to the same multi-tenancy installation (these will auto-populate) and select the relevant NMIs which are participating in the shared solar at this site. These can be selected individually, or via a *Select All* option. Note that NMIs will have restrictions on electrical equipment and solar tariffs.

The screenshot shows the 'Premises Details' form in the EQ portal. Key elements are circled in red: the NMI field (31175625467), the 'Yes' radio button for the multi-tenancy question, and the 'Select your NMIs' dropdown menu which is open, showing a list of NMIs with a 'Select all' checkbox and a blue selection box.

Figure 4 - Premises Details section of EQ portal

4. EGS applications are classified as ‘Negotiated’ and will require a Technical Assessment in addition to a Negotiated Connection Contract. Energy Queensland will provide you the technical assessment within 30 business days from the date your application is considered complete. The technical assessment will be appended to the Negotiated Connection Contract and issued via email to the applicant and Retail Account Holder for execution and return via email to Energy Queensland at either [ergongeneration@energyq.com.au](mailto:ergongeneration@energyq.com.au) or [energexgeneration@energyq.com.au](mailto:energexgeneration@energyq.com.au)
5. Once the signed Negotiated Connection Contract has been received it will be fully executed and uploaded to the portal for your records.
6. At this point the connection application will transition to ‘Accepted’ to allow for the submission of the EWR within 90 business days.

### Installations above 30kVA.

You must ensure the generating system is not interconnected to Energex’s distribution network in any way until Energex is satisfied the installation complies with the [Standard for Connection of Embedded Generating Systems \(>30 kVA to 1,500 kVA\) to a Distributor's LV Network](#).

*Note: Interconnection without such consent may attract penalties under clause 28(1) of the Electricity Regulation 2006 (Qld). In addition, such a non-compliance could also result in the obligation upon Energex to connect the relevant premises ceasing, thus entitling Energex to disconnect the relevant premises (being the entirety of the site).*

The below guidance is to be read in conjunction with the guidance for Solar Sharing Devices as per the <30kVA installation guidance provided in C.1.1 above.

1. Submit your Enquiry via the [Energex portal](#).
2. On submission of your Enquiry, you will receive an email and text message (SMS) asking if you would like to progress your enquiry to a Site-Specific Enquiry Response (SSER) and pay the fee (currently \$876.00). If you choose to progress, please action within the portal and an invoice will be issued to you by email within 6 business days.
3. On receipt of the SSER payment, Energy Queensland will provide a Site-Specific Enquiry Response (SSER) within 30 business days. The SSER will be uploaded to the portal where you can access the results.
4. At this point you will be able to progress your Enquiry to an Application within the portal. Please ensure the following documents are uploaded to avoid delays:
  - a. Design Certification Report certifying compliance of the generating system in accordance with the Low Voltage Embedded Generation Standards (STNW1174)
  - b. The Design Certification Report needs to include a covering letter signed by an Registered Professional Engineer of Queensland (RPEQ) and the following supporting documentation:
    - i. Network connection diagram (signed by RPEQ)

- ii. Protection line diagram including inverter and grid protection device settings and instrument transformer details (signed by RPEQ)
  - iii. DNSP approved Grid Protection Relay (GPR) including name, make and mode. See the [list on the Energex website](#).
  - iv. Voltage Rise Calculations – the EG system has been designed to operate so that there is a maximum 2% voltage rise from the EG system to:
    - A shared Distribution System connection – the Network Coupling Point; and
    - A dedicated Distribution System connection – the transformer’s low voltage terminals
  - v. Battery Storage System details (if applicable)
5. If you choose to pay by invoice, an invoice will be emailed to you, outlining the fee payable as per the SSER cover page and provided below. Please note: the application only becomes visible for review once your payment has been received. A remittance advice can be emailed to [accountsreceivable@energyq.com.au](mailto:accountsreceivable@energyq.com.au)
  6. If your Connection Offer Type has been classified as ‘Basic’ in accordance with the Connection Policy 2020-2025, the Connection Application (CX), if you have chosen to Expedite the CX, will transition to a status of “Awaiting Compliance Report”. If not, the Model Standing Offer will be provided to you via the Portal, and the CX will transition to “Offer”. You must ACCEPT this offer within the portal with 20 business days. The CX, will then transition to a status of “Awaiting Compliance Report”. In this case, skip to step 10.
  7. If your Connection Offer Type has been classified as ‘Negotiated’ in accordance with the Connection Policy 2020-2025, and complete from a material perspective, the Connection Application (CX) will be issued to a Technical Officer to provide a Technical Study and approval to proceed to offer. This will occur within 30 business days
  8. An email with an Offer to Execute and Technical Study will be emailed to the applicant. Please return the entire signed offer to [energexgeneration@energyq.com.au](mailto:energexgeneration@energyq.com.au)
  9. Once the signed offer has been received it will be fully executed and uploaded to the portal for your records. At this point the CX will transition to ‘Awaiting Compliance Report’.
  10. The operation of the completed installation must be tested for compliance to the relevant Connection Standards and technical requirements outlined in the Technical Study. These test results must be certified by an approved RPEQ.
  11. The system must be switched off at the AC isolator/s once the testing has been completed, however the DC isolators must be left switched on.
  12. On completion of the tests the signed Compliance Report must be emailed to [energexgeneration@energyq.com.au](mailto:energexgeneration@energyq.com.au) within 7 business days.
  13. Once our Protection and Technical Engineer confirm the Compliance Report satisfies the requirements of the relevant Connection Standards (this usually takes 10 business



days), the CX will transition to *Accepted* which will then allow for an Electrical Work Request (EWR) to be submitted.

14. Once the EWR is submitted, the portal will transition the EWR to the customer's relevant retailer, who will manage the metering requirements i.e., upgrade, reprogramming etc.
15. At this point, the customer will need to liaise with their retailer to confirm what metering changes are required.
  - a. If the customer is advised of no metering changes required, the system can be turned on.
  - b. If the customer is advised that a meter change is required, the system can only be turned on once these changes have occurred.

# SOUTH AUSTRALIA POWER NETWORKS

## Installations below 30kVA (Small embedded generation)

All installations in SAPN below 30kVA must comply with SAPN's [Technical Standard 129](#). Once your design is in compliance with this standard:

1. Apply for interconnection through the SmartInstall workflow available on the [SAPN website](#).
2. Assign the inverter capacity to the common light and power (regardless of whether the SolShare is connected to that circuit or not).
3. Once a Small Embedded Generation (SEG) number has been issued, you can commence installation.
4. Use the SEG number for activation of solar feed-in tariff with the electricity retailer for each customer NMI connected via the SolShare.

## Installations above 30kVA (Medium embedded generation)

For applications of multiple SolShares where the total installed inverter capacity exceeds 30kVA, the solar installer must design the installation in compliance with SAPN's [Technical Standard 130](#). Once your design follows this standard:

1. Apply for interconnection using the [online application form](#) for Medium Embedded Generation.
2. Assign the sum of the capacity of the inverters (either connected via the SolShare or standing alone from the SolShare) to the common light and power/house lights NMI.
3. Once SAPN has issued a Connection Offer and ongoing Contract and this has been executed, installation work can commence.
4. Use the confirmation number for activation of solar feed-in tariff with the electricity retailer for each customer NMI connected via the SolShare.

## SAPN Witness Testing

SAPN may choose to conduct specific witness testing for the SolShare installation. The guidance on this test procedure has been issued by the South Australian Office of the Technical Regulator and can be found at Annexure D1.

# WESTERN AUSTRALIA

## Western Power

Applications for interconnection in the Western Power network are made through the Western Power's [Embedded Generation Connection Application](#) portal. The steps are as follows:

1. Apply for the PV inverter capacity against the Retailer Reference Number for the common light and power meter (or one of the units if there is no common light and power).
2. Attached the SLD for the site.
3. In the 'Applicant' section, include [interconnections@allumeenergy.com.au](mailto:interconnections@allumeenergy.com.au) as a cc'ed email address.

Note that export limitations occur for all inverters over 5kVA in the Western Power network, unless a Battery Energy Storage System is connected to the inverter. Export limitation is typically 1.5kW. It may be necessary to design the SolShare installation with export limiting functionality monitoring the main supply to the building.

## TABLE OF ANNEXES

A zipped file of all Annexes can be downloaded from the Allume Energy website at the Document Library at this address: <https://allumeenergy.com/document-library/>

Number	DNSP	Title
A0	All Victorian DNSPs	Applying for a Network Exemption from the Victorian Essential Services Commission
A1-1	Citipower/Powercor	Notice of Embedded Generation Network Establishment Part A Information sheet
A1-2	Citipower/Powercor	Embedded Generation Network Establishment Part A Tables
A1-3	Citipower/Powercor	AER Network Exemption for Citipower/Powercor
A2-1	Jemena	SolShare sample commissioning Plan
A2-2	Jemena	SolShare Anti-Islanding Functionality Test Plan
A3-1	United Energy	Negotiated Agreement for Embedded Generation
A3-2	United Energy	Application Form – Non-Registered
B1-1	Ausgrid	Ausgrid interconnection Details for Allume Energy SolShare
B2-1	Endeavour Energy	MOU for Shared Solar Scheme in the Endeavour Energy network
B3-1	Essential Energy	Shared Solar Scheme – Customer Declaration Form
C1	Energy Queensland	EQ Solar Sharing Network Connection Contract
D1	SAPN	D1 - OTR Guidance on SAPN Witness Testing