Allume DNSP Interconnection Guide

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, contact Allume Energy at interconnections@allumeenergy.com.au.

List of abbreviations

AEMO	Australian Energy Market Operator
CCEW	Certificate of Compliance for Electrical Work
CLP	Common Light and Power (also known as General Light and Power)
COES	Certificate of Electrical Safety
CX	Connection Application
DER Register	AEMO's Distributed Energy Resource Register
DNSP	Distribution Network Service Provider
EG	Embedded Generation
ESV	Energy 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
SLD	Single Line Diagram
SEG	Small Embedded Generation
SPA	Solar Pre-Approval
VEBM	Victorian Emergency Backstop Mechanism
VESC	Victorian Essential Services Commission

Table of Contents

I/ Victoria

Important
VESC Network Exemption
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 (VESC). This is a straightforward process that can be quickly completed by following the steps provided in Annex A0 to this DNSP Interconnection Guide.

Important
Victorian Emergency Backstop Mechanism (VEBM)
Site consumption monitoring is required for all solar installations in Victoria, including installations with SolShare. VEBM communicates to the inverter and requires a permanent internet connection. A Backstop-compliant metering solution must be installed to measure the grid connection of the entire building.
For further information see https://www.energy.vic.gov.au

A. Citipower / Powercor / United Energy

This process has been confirmed with Citipower/Powercor/United Energy in 2025.

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

1. Submit a Solar Pre-Approval (SPA) 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.
   NOTE: 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.
   After the SPA has been approved, you may then proceed to Step 2.
2. SolShare Application form: This will identify the Host NMI for the site and have individual sites list with customer details below. **All fields need to be filled out.**
   Before proceeding with the installation, submit the completed form with the accompanying documents (including single line diagram) to newenergyservices@powercor.com.au and newenergyservices@ue.com.au.

Post-installation with COESs issued

1. **Alteration Request** on *Host NMI*: Submit a Connection Request on the Host NMI via the eConnect/MyEnergy Portal, with the following details:

   - Total AC Connection and total DC (PV panels/battery) installed at the site
   - COES for *Host NMI*
   - Commissioning documents: Australia A Grid Settings and proof of serial numbers
   - SolShare commissioning document

Important
Due to VEBM requirements, the *Host NMI* will need to go through the registration and capability testing.

After all validations are complete, Citipower/Powercor/United Energy will send service order requests to the customers' retailers. As the service orders are returned, Citipower/Powercor/United Energy will organize for the meter to be reconfigured for bi-direction flow and solar tariff will be applied.

Ongoing responsibilities of the Solar Installation Partner

Citipower/Powercor/United Energy 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/MyEnergy Portal 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/United Energy must be notified through eConnect, and Allume Energy must be notified at interconnections@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.

B. Jemena

This process has been confirmed with Jemena in 2026.

Staging of process

The online embedded generation connection application must be submitted and the connection agreement must be entered into, prior to proceeding with on-site installation and commissioning.

Important
NOTE: All online applications for solar installations involving SolShare (irrespective of system capacity) must be submitted in Jemena's online portal by selecting capacity above 30kVA (>30kVA), to trigger the negotiated connection process with mention in the comments section of the actual inverter capacity of the application. This is due to a current design limitation on Jemena's online portal (future improvements to come).

All EG connection applications are required to follow Jemena's guidelines published on Jemena's website.

NOTE: For installations with total inverter capacity below or equal to 30kVA, follow 'Connection Guidelines for Inverter Energy Systems ->30kVA to <1MVA (ELE GU 0014)' on Mid-scale embedded generators.

Jemena online embedded generation SolShare application process

1. Apply for a network exemption from the VESC for the site's customer / body corporate. 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 and CC interconnections@allumeenergy.com.au and state in the email that you would like to apply for the connection of a SolShare installation (provide address and NMI (common light and power NMI), and customer/body corporate contact details).
   Include in the email the following documents for the shared solar installation:

   a) The network exemption application number from VESC, as per Step 1 above. Also provide a PDF copy of the formal exemption from VESC for this site's customer/body corporate.
   b) Documents showing that the body corporate is the owner of SolShare/s in this installation.
   c) Confirmation that there is no distribution of electricity across lot boundaries and that all SolShare installation wiring is in the common area for this site.
   d) Electricity bill for the common light and power NMI.

3. Apply for a connection application of embedded generation at Jemena's online portal by applying for the full inverter capacity against the common light and power NMI owned by the body corporate (always use common light and power NMI even if it is not part of the SolShare electrical connection). Mention 'SolShare' and provide the actual inverter capacity in the Comments section.

   In the application, select >30kVA system for the negotiated connection process, irrespective of the proposed system capacity. Note that online applications for installations with SolShare will not be processed if <30kVA system is selected.

   Attach the following documents:

   a) Single line diagram (SLD) showing:

- voltage rise calculations
- all inverters
- all SolShare units
- pad-lockable main solar switch
- utility meters (common light and power meter and all apartment meters)
- point of supply
- phase wiring
- Australia A inverter settings
- table of all NMIs and meter numbers
- table of PV system details
- NOTE: For a site with >30kVA aggregated inverters connection to all SolShare units, ensure SLD shows interface protection relay and includes interface protection settings. Please also provide the protection schematics of interface protection relay, and include the secondary injection testing tables of the interface protection relay in the commissioning plan.

b) Site layout (showing symbols for inverter, SolShare, MSB, point of supply and connecting cables at their physical location)
c) A SolShare Anti-Islanding Functionality Test Plan, with template available at Annex A2-2 to this DNSP Interconnection Guide (filled out with site-specific information)
d) A SolShare Commissioning Plan, with template available at Annex A2-1 to this DNSP Interconnection Guide (filled out with site-specific information)
e) CSIP-AUS is the emergency backstop method for typical SolShare applications. Please ensure that your site meet the CSIP- AUS requirements by having internet and all the inverters are on CEC's SCC list and Jemena's approved list of inverters. Please ensure that the CT meter of the solar energy management system is at the MSB close to point of supply on main incomer to the building.

4. Pay for the application fee to complete the submission.
5. During the technical assessment stage, Jemena will list in an email any missing required information that needs to be provided to further progress the application.
6. Once Jemena has confirmed by email that the design is acceptable and the technical assessment is completed, Jemena will issue a connection agreement on the online portal.
7. After the customer reviews and accepts the connection agreement and the applicant accepts the offer on the online portal on the customer's behalf, the customer can proceed with the installation and commissioning of the SolShare system.
    a. After the COES is issued, turning on the solar installation for temporary testing purposes is permitted. The following tests are allowed: SolShare anti-islanding test (see Annex A2-2) and SolShare commissioning test (see Annex A2-1). If applicable, secondary injection test. However, after testing is completed, please turn off the solar installation.
8. Jemena will contact you to coordinate CSIP-AUS emergency backstop commissioning activities.
    a. After the backstop testing is arranged, then solar can be turned back on for temporary backstop testing. After testing is completed, please turn off solar installation until Jemena issues authorisation to turn on notice.
9. Submit to Jemena the commissioning documents by emailing generation_enquiries@jemena.com.au and attaching:

    - COES
    - EWR
    - SolShare anti-islanding test report (see Annex A2-2)
    - SolShare commissioning test report (see Annex A2-1)
    - serial number of all inverters
    - Australia A setting evidence
    - screenshot of maximum export limit setting and minimum export limit setting (low static export limit) in the smart energy meter
    - Long Form Device Identification (LFDI) for the registered inverter or Gate-way device
    - if applicable, secondary injection test results

10. After Jemena reviews and approves the commissioning documents, and the emergency backstop testing is completed, Jemena will issue an authorisation to turn on notice via email to the applicant.
11. After the authorisation to turn on notice is received, notify the customer's retailer of the change, (provide COES, EWR, EG ID (application number) and a copy of the EG offer schedule), so that the meter reconfiguration can be initiated, and the appropriate tariff can be applied.
12. Please do not turn on the embedded generation SolShare system until after all the meters are reconfigured for EG.

C. AusNet

No installations have proceeded in the AusNet 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 send your project information to preapprovals@ausnetservices.com.au and CC interconnections@allumeenergy.com.au so we can work with AusNet on the interconnection process for your project.

II/ New South Wales

- **Important**
  NSW SIRS Update June 2025
  The Service and Installation Rules of New South Wales has been updated. Ensure you read section **8.6.16 Shared energy (including storage)**
- **NSW Backstop Mechanism**
  NSW will introduce the NSW Emergency Backstop Mechanism in 2026. Please review all training and information available from NSW Climate and Energy Action.

A. Ausgrid

- This process is currently under review with Ausgrid.

Staging process

Interconnections for Ausgrid need to be via their Connections portal. The steps below must be completed prior to works commencing at site to confirm there is no grid congestion at the intended point of installation.

Pre-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 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:
   SolShare Application - Attention Energy Transformation

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 a SLD 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.

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

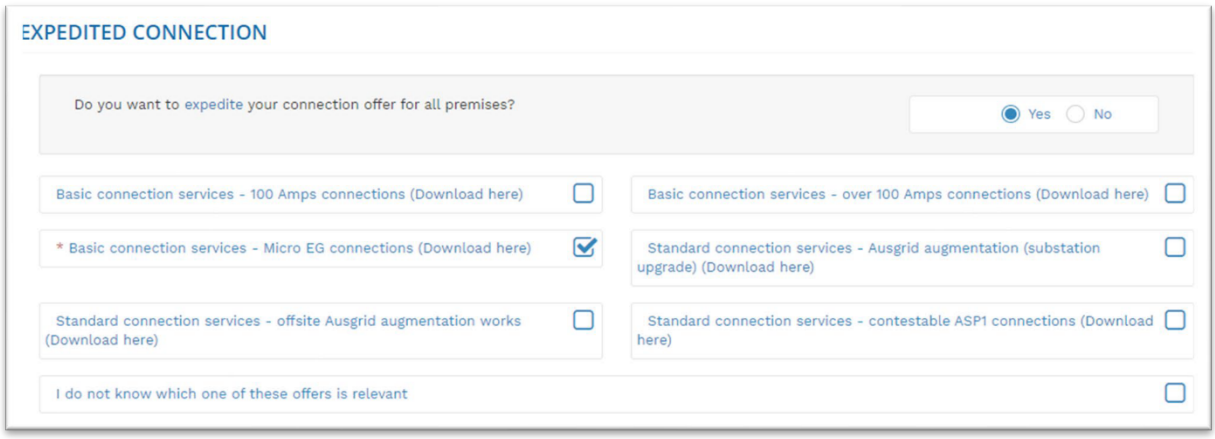

Figure 3 - Ausgrid portal expedited connection section

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 and CC interconnections@allumeenergy.com.au.
NOTE: All connected NMIs of the site must be included in the spreadsheet.
NOTE: If the total system capacity is below 30kVA, 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

Onsite Ausgrid inspections for IPSD (SolShare) sites are no longer required provided that the inverter capacity to the network connection does not exceed 200kVA.

The Protection diagrams and settings and Single Line Diagrams must still be submitted with the connection application for review for any site that requires interface protection under the Australian Standards.

Ausgrid may still inspect the site under its Audit Inspection Regime, however the applicant will be contacted by Ausgrid when the site has been selected for audit inspection and site access needs to be provided.

B. Endeavour Energy

This process is currently under review with Endeavour 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 Endeavour Energy.

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

You can access the primary connections hub Portal Support page at https://www.endeavourenergy.com.au/our-network/start-a-connection/portal-support.

Under the Getting started with the Enterprise Customer Portal heading follow the link to *New user: Self-registration and logging in*

and

Under the Manage network applications in the Connections Portal heading follow the link to *How to submit an application*

These guides are the most up to date documents for the Endeavour Energy portal.

Application for interconnection

1. Complete the application as per the Connections Portal guide.
2. The proponent shall complete an MOU – Shared Solar System using the template provided at Annex B2-2.
3. The proponent shall package the completed MOU, along with any supporting technical information (SLD, voltage rise calculations) and email the package to CustomerNetworkSupport@endeavourenergy.com.au and CC interconnections@allumeenergy.com.au. The email subject and body must clearly mention that the application is for a *shared solar generation system*.
4. 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.
5. 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 NMI and Endeavour Energy reference number from the Permission to Connect letter.

Certificate of Compliance for Electrical Work (CCEW)

The electrical contractor must submit the CCEW to the NSW Department of Fair Trading. See the Fair Trading website for more details.

C. Essential Energy

This process has been confirmed with Essential Energy in June 2025.

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 please CC interconnections@allumeenergy.com.au in email communications regarding the application.

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) Inverter Energy Systems (IES) and Battery Energy Storage Systems (BESS) which interconnect units via the Inverter Power Sharing Device (IPSD) 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(s) and located on a single legal land parcel.
2. The system(s) is only for the benefit among the NMIs in the building(s).
3. No energy transfer between NMI's on the load side of metering.
4. Distribution Network Service Provider (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(s) must not damage, cause quality of supply issues or effect the distribution network or other electrical installation(s) outside of the system(s).
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 IES and IPSD(s) and agrees to take all steps to avoid compromising the DNSP's connection services obligations to its customers at each NMI of the building(s).
8. The electrical installation owner must indemnify the DNSP of any damage or inconvenience caused to the building or other customers, quality of supply issues, safety risks, and other possible commercial concerns.

Application process for a shared solar generation system

1. A single proponent (Body Corporate, Social Housing, Developer, Strata Manager, Accredited Service Provider or Electrical Contractor) shall coordinate the application process on behalf of all participating customers with Essential Energy.
2. The proponent must ensure that separate new connection applications are submitted for each participating customer (each NMI).
3. The applicant must be authorised in writing by the retail customer (associated with the NMI) to act on their behalf.
4. The proponent shall complete a New Connection Application via Essential Connections for the entire IES/IPSD(s) connected to that NMI. Please use application category – *Modify an existing or add a new embedded generation system*. All system details connecting to the NMI must be completed on this form.

   Ensure that:

   - Multiple NMIs on Lot is marked "Yes".
   - A copy of the Customer Declaration Form and supporting technical information (SLD & VRC calculations for the entire property) shall be provided in the application.

- Reference to the initial connection application (Case number) is to be included in the appropriate section of each subsequent application.
- Intention to install an IPSD is to be included in the description of proposed works sections of the application form.

5. The proponent shall complete the Customer Declaration Form available at Annex B3-1, signed by the body corporate of strata manager or IPSD owner
6. Essential Energy will complete a technical assessment within Standard Essential Energy timeframes if the assessor is satisfied with all the information provided.
7. Following payment, a connection offer will be provided including any site-specific conditions or site export limits, where applicable.
8. The proponent must inform the customer of their obligations under the Model Standing Offer issued for the application.

Distributed Energy Register (DER)

The solar installer must complete the DER register on AEMO's website using only one (1) NMI and Essential Energy's reference number on the connection offer per IES.

Certificate of Compliance for Electrical Work (CCEW)

The electrical contractor must submit the CCEW and copies of the as-built drawing for the installation via Essential Connections.

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.

If you have any questions, please submit a new Connection enquiry via Essential Connections, using enquiry category – Solar Enquiries, sub-category – Commercial or Multi-occupancy Solar Enquiry

III/ Queensland

A. Energy Queensland (formerly Energex and Ergon Energy)

This process is currently under review with Energy Queensland.

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

I/ 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.

II/ 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.

III/ 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.

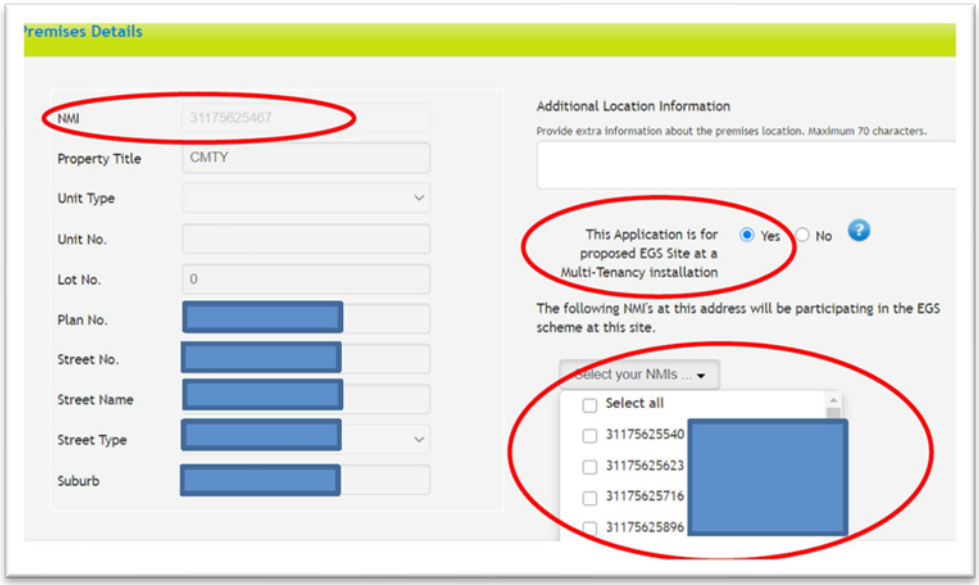

Figure 4 - Premises Details section of EQ portal

IV/ 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 or energexgeneration@energyq.com.au

V/ Once the signed Negotiated Connection Contract has been received it will be fully executed and uploaded to the portal for your records.

VI/ 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 guidance below is to be read in conjunction with the guidance for Solar Sharing Devices as per the <30kVA installation guidance provided in the *Installations below 30kVA* section above.

1. Submit your Enquiry via the Electrical Partners 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 a 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 accountsreceiveable@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.
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 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.

IV/ South Australia

A. South Australia Power Networks (SAPN)

This process is currently under review with SAPN.

Installations < 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 > 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 Annex D1.

V/ Western Australia

A. Western Power

This process is currently under review with 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 as a CCed email address.

NOTE: 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 Resource Library.

Number	DNSP	Title
A0	All Victorian DNSPs	Applying for a Network Exemption from the Victorian Essential Services Commission
A1-1	Citipower/Powercor/United Energy	Notice of Embedded Generation Network Establishment Part A Information sheet
A1-2	Citipower/Powercor/United Energy	Embedded Generation Network Establishment Part A Tables
A1-3	Citipower/Powercor/United Energy	AER Network Exemption for Citipower/Powercor
A1-4	Citipower/Powercor/United Energy	Citipower/Powercor/United Energy spreadsheet
A2-1	Jemena	SolShare sample commissioning Plan
A2-2	Jemena	SolShare Anti-Islanding Functionality Test Plan
B1-1	Ausgrid	Ausgrid interconnection Details for Allume Energy SolShare
B2-1	Endeavour Energy	FPJ6008-Generator Application
B2-2	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	OTR Guidance on SAPN Witness Testing