

Guide to completing: New Connections Above 100 Amps Application

Introduction

Why use this form

This form should be used if you require a:

- **New connection Above 100 Amps OR**
- **New connection at high voltage**

The form contains these sections:

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Why complete this form?

Ausgrid needs the information requested in this form so it can assess your connection requirements and make you a connection offer under the National Electricity Rules as they apply in New South Wales.

IMPORTANT:

You will need to complete all mandatory fields in order to be able to submit the form. Providing incorrect or incomplete information will result in an invalid application; this will mean that you will have to complete a new application and pay an additional submission fee.

This form is designed to be completed by a Qualified Electrical Professional. To provide some of the answers to these questions you will need to consult an electrical contractor or Accredited Service Provider (ASP) who may need to attend the site.

Form Symbols – What they mean

Reference Code

All Forms are identified by unique Reference Codes.
Please keep a record of your application reference code. If you have enquiries about your application, we will require this number to assist you.

Reference Code : 0011613

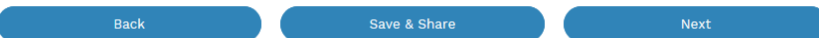
Navigation through the form

The forms have been designed to assist you to quickly navigate and complete all the required information in a tabular step by step format.



1. Each section must be completed before moving onto the next step.
2. Complete sections is represented as a WHITE Chevron with GREEN Text
3. Current section is represented as a BLUE Chevron
4. Next sections is represented as a WHITE Chevron with GREY Text

Completing sections



1. The process allows you to go BACK as required
2. You can SAVE & SHARE the application as you go, share the application link, return at any time and continue
3. As you complete a section, click NEXT to proceed

Mandatory Fields

1. Mandatory fields are identified with the use of *
2. Mandatory fields must be completed before proceeding
3. Non completed mandatory fields are shown as

*Phase A

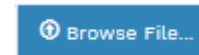
4. Tool tips and help are shown as



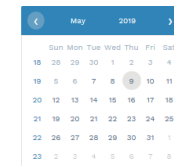
This is the Unit/Shop number for the individual premises. A separate line item is required for each Unit/Shop connection

Useful buttons to help get things done

1. Duplicating a section
2. Add a new section
3. Browse to find file/s to upload and attach to your application



4. Calendar Icon Opens date picker



5. Checkbox
6. Radio button (select only one) Yes No
7. Drop Down selection – allows you to select from prepopulated list of options

Location Information

New Connection Above 100 AMP Reference Code : 0011616

Location Applicant Service Selection Load Details Summary and Payment Complete

Retailer 1

Property Name Property Type 2 *Land Title Type 3

Floor Number Unit/Shop Number *Street Number/RMB or *Lot Number or *Lot/DP Number 4

*Street Name Nearest Cross Street 5

*Suburb *Postcode *Land Zoning 6

*Location Diagram This section is about the physical location of your premises and an electrical schematic will not be accepted. Ensure that your diagram clearly identifies property, nearest cross street, North Point, Proposed Point of Common Coupling, Point of Supply and service cable route to the main switchboard. 6

Browse File...

Next



There is a total size limit of 20MB for attachments per application form

1. If you know who the Retailer will be select the **company** details from the drop down menu.
2. Select the **Property Type** from the drop down menu for example: House, Unit, Shop etc.
3. Select the **Land Title Type** from the drop down menu for example Torrens, Strata, Community Title, Public or other.
4. Enter the **address** where the new connection is required, this could entered either as a Street Number/RMB, Lot Number or Lot/DP Number which can be found on the Development Application (DA) or council rate notice.
5. Select the **Land Zoning** from drop down menu for example: Urban, Rural or Other
Note: The Landing Zone information should auto populate with data from the NSW Government Planning Portal.
6. Upload the Location Diagram Ensure that your diagram clearly identifies property, nearest cross street, North Point, Proposed Point of Common Coupling, Point of Supply and service cable route to the main switchboard.

Applicant Information

New Connection Above 100 AMP Reference Code : 0011616

Location **Applicant** Service Selection Load Details Summary and Payment Complete


***Applicant Type** 1

***Title** ***First Name** ***Last Name**

***Email Address** ***Confirm Email Address**

Floor Number **Unit/Shop Number** ***Street Number/RMB** or ***PO Box/Locked Bag** 2

***Street Name** **Nearest Cross Street**

***Suburb** ***Postcode** ***Phone Number**  **Other Number**

Back Save & Share Next



Note: The email address supplied for the Connection Applicant will be utilised for ALL communication in relation to your Connection Application. The NMI and / or Permission to Connect emails will only be sent to the provided connection applicant email address.



Phone Number must be 10 characters with **NO** spaces

1. Select the **applicant type** from the drop down menu for example: ASP, Electrical Contractor, Retail Customer etc.

Note: If you are the person who requires an electricity connection for your own use (for example in your house or business) then you are a **retail customer**.

If you are applying for electricity to supply to a development which will be sold off and you will not be the end user of the electricity at this premises then you are a **real estate developer**.

If you are applying on behalf of someone, then select the category from the drop down menu that best describes you. (For example ASP on behalf of a retailer Customer or Real Estate Developer).

2. This section requires the **applicant details** of the person making the application. YOUR details – ie the person lodging this form.

Note: If you are not a retail customer or real-estate developer, you must ensure that the person on whose behalf you are applying has authorised you to submit an application, receive and accept a connection offer from Ausgrid on their behalf.

Service Selection – New Connection Only

Note: This section relates to New Connection Only

Select the **service** you are seeking by clicking on one of the tiles.

1. **New Connection Only.** Requires you to provide information regarding the physical electrical connection needed for Ausgrid to accurately assess your application and provide you with an appropriate Model Standing Offer for Connection Services.
2. **New Connection and New Embedded Generation or Standby Generation.** Choose this for all new embedded generation being installed as part of a new connection to the network. This part of the form allows Ausgrid to determine if you intend to install embedded or standby generation as part of your application.

A generating unit is embedded if it will be connected in parallel with and exports to Ausgrid's network (even if only momentarily). Examples of embedded generation includes:

- Solar PV
- Wind turbine
- Gas
- Bio gas
- Diesel
- Co and Tri-generation.

New Connection Above 100 AMP

Reference Code : 0011616

Location

Applicant

Service Selection

Load Details

Summary and Payment

Complete

Services

What type of service are you seeking?

1



New Connection Only

2



New Connection and
New Embedded
Generation or Stand-by
Generation



To provide some of the answers to these questions you may need to consult an electrical contractor or ASP who may need to attend the site.

Back


Save & Share

Load Details – New Connection Only

New Connection Above 100 AMP

Reference Code : 0011647



New Connection 

A screenshot of the 'Load Details' form. The form is enclosed in a purple border. It contains several fields with asterisks indicating they are required. The fields are: '*Proposed Point of Common Coupling' (a dropdown menu with a '1' callout), '*Asset Identifier' (a text field with a '2' callout and an information icon), '*Proposed Connection Point' (a dropdown menu with a '3' callout and an information icon), '*Proposed Service Length (metres)' (a text field), '*Proposed Service Type' (a dropdown menu with a '4' callout), and '*Service Voltage' (a dropdown menu).



To provide some of the answers to these questions you may need to consult an electrical contractor or ASP who may need to attend the site.

NOTE: You may need to refer to NSW Service and Installation Rules for the definition of the terms.

This section requires you to provide information regarding the physical electrical connection needed for Ausgrid to accurately assess your application and provide you with an appropriate **Model Standing Offer for Connection Services**.

The information captured here is designed to collect information regarding the components of the distribution system (premises connection assets) which is used to provide the connection service to the premises e.g. service cable, metering, new Ausgrid pole, pillar or substation etc.

1. Select the **proposed point of common coupling** from the drop-down menu.
2. Provide the **asset identifier** for the point of common coupling – if there is no asset identifier the applicant should enter 'unknown'.
3. Select the **proposed connection point** from the drop-down menu – this is the component of the distribution system (premises connection assets) used to provide the connection services to the premises.
4. Select the **service type and voltage** from the drop-down menus.


Specify the **proposed length of the service** – you will be required to provide the exact length in meters.

The above information specifies the start and finish points of your service wire as well as the type of connection. You should specify these carefully as they will become part of the connection contract unless modified by Ausgrid.

Load Details – New Connection Only

The screenshot shows a multi-step form for 'Load Details'. The steps are: Location, Applicant, Service Selection, Load Details (current), Summary and Payment, and Complete. Step 1 is 'Attach Load Profile' with a 'Browse File...' button. Step 2 is 'Proposed Maximum Demand' with a 'Number of Phases' dropdown and buttons for 'Phase A', 'Phase B', and 'Phase C'. Step 3 is 'Are you intending to connect controlled load at this premises?' with 'Yes' and 'No' radio buttons. Step 4 is a list of service types: Residential, Commercial, Industrial, House Services, and Temporary Builders Supply (TBS), each with a checkbox. A 'Total Number of Premises' field is at the bottom left.


This section requires you to:

1. Attach a **Load Profile**  (this will only be the case if your service type is **high voltage** or **Sub transmission**) and select the **Service Size** from the drop-down menu between 200 Amps and 3000 Amps – if you are unable to select the Amps required from the drop down list, select 'other' then specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.
2. Select the **Number of Phases** from the drop-down menu. Select each phase (Phase A, Phase B, Phase C) and enter the proposed total maximum demand for the site.

Note: You are required to upload the **Proposed Maximum Demand Calculation**.

3. If you are intending to connect a controlled load at the premises, check the 'yes' (i.e. Electricity supplied to specific appliances e.g. electric hot water system or under floor heating). You will then be required to select the controlled load tariff (Off-peak 1 or Off-peak 2) from the drop-down menu, and select the number of phases that this will apply to.

4. Provide the **details of all premises** in the application. (Address details will be pre populated from the location information screen) Minimum one selection is required.

 **Note:** Depending on the selection made additional information will be required.


This screenshot shows a detailed form for 'Details of all premises'. It includes checkboxes for 'Residential', 'Commercial', 'Industrial', 'House Services', and 'Temporary Builders Supply (TBS)'. Fields include 'No of Residential Premises', 'Average No of Bedrooms per Unit', 'Total Floor Area without Airconditioning in m2', 'Total Floor Area with Air-conditioning in m2', 'Warehouse Floor Area m2', 'Commercial Areas for Food Handling', 'Number of Industrial Premises', 'Total Floor Area of all Factory Units in m2', 'Number of House Service Premises', 'Proposed Maximum Demand', 'Number of Phases' (with Phase A, B, C buttons), and 'Number of Premises'. A 'Total Number of Premises' field is at the bottom.

Note: You will find more information regarding metering and how Ausgrid applies tariffs in our publications ES3 Metering Installations and ES7 Application of Network Use of System Charges respectively available on our website at: <http://www.ausgrid.com.au>

Load Details – New Connection Only



This section requires you to:

1. If there will be equipment at the premises that may result in non-linear or fluctuating load additional information is required. This section is for connections where any single item of plant or equipment has a rating >75 Amps at 230/400V, any HV connections, or work where the proposed equipment may cause excessive fluctuations of voltage (e.g. lifts, welders, pumps, x-ray machines).
2. If the equipment will result in **Distorting Loads** select all relevant options and provide additional information including ratings and operating parameters. 

*I will be installing equipment at the premises that may result in non linear / fluctuating loads  1 Yes No

Distorting Loads

2

- *1 Phase capacitor-filtered or conventional rectifier
- *3 Phase 6-pulse capacitor filtered rectifier / VSD
- *3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD
- *3 Phase 6 pulse inductor filtered rectifier / VSD
- *3 Phase 12 pulse rectifier / VSD
- *AC voltage regulator
- *Variable Voltage Variable Frequency (VVVF) drive
- *Switch mode power supplies
- *Power Factor Correction
- *Other

	*kVA/kW	*Amp	*Design Standard	*Mitigation Measures
*1 Phase capacitor-filtered or conventional rectifier <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*3 Phase 6-pulse capacitor filtered rectifier / VSD <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*3 Phase 6 pulse inductor filtered rectifier / VSD <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*3 Phase 12 pulse rectifier / VSD <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*AC voltage regulator <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*Variable Voltage Variable Frequency (VVVF) drive <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*Switch mode power supplies <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*Power Factor Correction <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*Other <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please Specify

Load Details – New Connection Only



Fluctuating Loads (including Cranes)

*Rating of the largest motor 1

*Rating of the second largest motor

*Rating of other frequently fluctuating loads

*Other

Fluctuating Loads (including Cranes)

	*kVA/kW	*Amp	*Design Standard	*Mitigation Measures	*Starting Current
*Rating of the largest motor <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
			*Method of Starting	*Hours of Operation	*Number of Operation.Hr
			<input type="text"/>	<input type="text"/>	<input type="text"/>
			*Equipment Specification <input type="text"/> <input type="button" value="Browse File..."/>		
*Rating of the second largest motor <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
			*Method of Starting	*Hours of Operation	*Number of Operation.Hr
			<input type="text"/>	<input type="text"/>	<input type="text"/>
*Rating of other frequently fluctuating loads <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
*Other <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please Specify

1. If the equipment will result in **Fluctuating Loads** (including cranes) then you are required to select all relevant options and provide additional information including ratings and operating parameters.

Load Details – New Connection Only



Special Equipment

X-Ray or Magnetic Resonance Imaging Devices

Welding plant rating

Arc furnaces rating

Unbalanced loads (e.g PH-N / PH-PH loads)

Other

1

1. If **Special Equipment** will be installed select all relevant options and provide additional information including ratings and operating parameters.
2. The **Total Apparent** power rating is auto calculated based on the information entered.

Special Equipment

Special Equipment	*kVA/kW	*Amp	*Design Standard	*Mitigation Measures	*Starting Current
*X-Ray or Magnetic Resonance Imaging Devices <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
			*Method of Starting	*Hours of Operation	*Number of Operation.Hr
			*Equipment Specification <input type="text"/> <input type="button" value="Browse File..."/>		
*Welding plant rating <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
			<input type="text"/>	<input type="text"/>	<input type="text"/>
*Arc furnaces rating <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
			<input type="text"/>	<input type="text"/>	<input type="text"/>
*Unbalanced loads (e.g PH-N / PH-PH loads) <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	*Mitigation Measures	
*Other <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	*Mitigation Measures	

Please specify, e.g. incl >75A rated equipment

TOTAL APPARENT POWER RATING (KVA)

kVA/kW

Amp

2

Load Details – New Connection Only



***Construction of the premises connection assets will commence** ***When do you wish to electrify the premises?** **1**

***Ausgrid has provided a Certified Design Number(CDN) for a Network Augmentation Project associated with the premises** Yes No **2**

***Certified Design Number (CDN)**

***ASP 1 has been appointed** Yes No **3**

***ASP Licence Number** ***ASP 1 Name**


***Do you have development consent (DA) for your proposal?** Yes No **4**

***DA Reference Number**

***Attach copy of approved DA**

***Do you wish to underground / relocate electricity assets in conjunction with this connection application?** Yes No **5**

***Underground / relocation details**

Comments  This section is provided to supply additional comments, and upload attachments such as site diagrams, photos etc. **6**

Please attach any documents that are relevant to your connection for example Proposed Design, sketch of the building, Photos etc

1. Provide the **Date** when construction of the premises connection assets will commence and when you wish to electrify the premises.
2. If Ausgrid has provided a **Certified Design Number (CDN)** for a network augmentation project associated with the premises select 'Yes' and provide this number. (If not click 'No', proceed to next question).
3. If an **ASP1** has been **appointed** select 'Yes' and provide the **ASP Licence Number** and the ASP1 name. (If not click 'No', proceed to next question).
4. If **Development Consent** for the proposal has been **granted** select 'Yes' and provide the **DA Reference Number** and also **attach** a copy of the approved DA. (If not click 'No', proceed to next question).
5. If the applicants wish to **underground or relocate electricity assets** in conjunction with this connection application the underground/relocation select 'Yes' and **details must be provided**. (If not click 'No', proceed to next question).
6. Additional **comments** and **attachments**.

New Connections Only - Summary

New Connection Above 100 AMP

Reference Code : 0012758

New Connection

1

LOCATION

Retailer
Agl
Land Title Type
Strata
Street Number/RMB
39
Location Address
Gardinia Street, Narwee, 2209
Land Zoning
Urban
Location Diagram

File name	Ausgrid filename reference	Size
Location Diagram.jpg	LocationAttachmentFilePath_1	0.063 MB

APPLICANT

Applicant Type
Retail Customer
Full Name
Miss A Test
Email Address
Test@gmail.com
Street Number/RMB
39
Applicant Address
Gardinia Street Narwee 2209
Phone Number
0412123456

[Edit]

2

LOAD DETAILS

Proposed Point Of Common Coupling
Pole
Proposed Asset Identifier
Unknown
Proposed Connection Point
Front Of Premises
Proposed Service Length
50
Proposed Service Type
Overhead
Service Voltage
Low Voltage 230/400v
Service Size
200 Amps
Proposed Maximum Demand
Number Of Phases: 1
Phase A: 200

1. **Review** your application.
2. You will have the option to edit information from this summary page by selecting Edit

Note: Providing incorrect or incomplete information will result in an invalid application; this will mean that you will have to complete a new application and pay an additional submission fee.



Note: The form will not be submitted to Ausgrid until payment has been made.

New Connections Only - Summary

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 - over 100 Amps connections (Download here)

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

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

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

* Standard connection services - contestable ASP1 connections (Download here)

* I do not know which one of these offers is relevant

Please select one offer.



The expedited connection process allows you to save time by skipping the offer and acceptance steps to a connection contract. If you request expedition and indicate that a particular model standing offer is acceptable, the contract is taken to have begun on the day we received your connection application, provided we agree that any model standing offer you have nominated is appropriate. If you do not request expedition or you nominate an inappropriate model offer, it could add up to **55 days** to your connection process.

* I acknowledge the terms & conditions.

Back

Save & Share

Download PDF

Pay



You can Save & Share your application. Use the Save & Share function to email your application form to another person or yourself. A copy of your application can also be downloaded in PDF format for your own records.

1. Dependent on your application type you may have the option to **expedite your connection offer** if you are seeking The Model Standing Offer*. **Select** one offer.
 2. Click to acknowledge the **terms and conditions**.
 3. Click Pay to proceed to the **payment page**.
- Note:** You can Save & Share your application. Use the Save & Share function to email your application form to another person for payment and submission.

New Connections Only - Payment

Payment Confirmation

Do you want to proceed to payment for the amount : AUD \$

Pay

Or

Share application for payment

Email Address

Share



Make a BPOINT Payment

Biller Code: 1261338 (Ausgrid - Ausgrid)

Ref#: 0011659

Amount (AUD):

Select your payment option:



Online Payment

You have entered the following details

Biller Code: 1261338 (Ausgrid - Ausgrid)

Ref#: 0011659

Payment Amount: AUD

Please enter your card details to proceed

Card Number: VISA

Expiry Date: MM YY

CVN:

<< Back Proceed >>

1. To proceed with payment select **Pay** and follow the payment options.



You can send the completed form to a third party to complete the payment. Then instruct that party they will receive an email and they should follow the link to make payment.

Note: only once payment is successfully submitted the application will be received and processed by Ausgrid.

Service Selection – New Connection and New Embedded Generation or Stand-by Generation

Note: This section relates to New Connection Only and New Embedded Generation or Stand-by Generation


New Connection Above 100 AMP Reference Code : 0011667

Location > Applicant > **Service Selection** > Load Details > Summary and Payment > Complete

Services


What type of service are you seeking?

1




New Connection Only

2



New Connection and New Embedded Generation or Stand-by Generation



To provide some of the answers to these questions you may need to consult an electrical contractor or ASP who may need to attend the site.

BackSave & Share

Select the **service** you are seeking by clicking on one of the tiles.

- 1. New Connection Only.** Requires you to provide information regarding the physical electrical connection needed for Ausgrid to accurately assess your application and provide you with an appropriate Model Standing Offer for Connection Services.
- 2. New Connection and New Embedded Generation or Standby Generation.** Choose this for all embedded generation. This part of the form allows Ausgrid to determine if you intend to install embedded or standby generation as part of your application.

A generating unit is embedded if it will be connected in parallel with and exports to Ausgrid's network (even if only momentarily). Examples of embedded generation includes:

- Solar PV
- Wind turbine
- Gas
- Bio gas
- Diesel
- Co and Tri-generation.

Load Details – New Connection and New Embedded Generation or Stand-by Generation

New Connection Above 100 AMP

Reference Code : 0011667



New Connection + Embedded Generation To provide some of the answers to these questions you may need to consult an electrical contractor or ASP who may need to attend the site.

*Proposed Point of Common Coupling 1

*Asset Identifier 2

*Proposed Connection Point 3

*Proposed Service Length (metres)

*Proposed Service Type 4

*Service Voltage

*Attach Load Profile 5

NOTE: You may need to refer to NSW Service and Installation Rules for the definition of the terms.

NOTE: The information you provide specifies the start and finish points of your service wire as well as the type of connection. You should specify these matters carefully as they will become part of the connection contract unless modified by Ausgrid.

This section requires you to provide information regarding the physical electrical connection needed for Ausgrid to accurately assess your application and provide you with an appropriate Model Standing Offer for Connection Services.

The information captured here is designed to collect information regarding the components of the distribution system (premises connection assets) which is used to provide the connection service to the premises e.g. service cable, metering, new Ausgrid pole, pillar or substation etc.

1. Select the **proposed point of common coupling** from the drop-down menu.
2. Provide the **asset identifier** for the point of common coupling – if there is no asset identifier the applicant should enter 'unknown'.
3. Select the **proposed connection point** from the drop-down menu – this is the component of the distribution system (premises connection assets) used to provide the connection services to the premises.
4. Select the **service type and voltage** from the drop-down menus.
5. Upload a **Load Profile** if the application is other than for low voltage.

Specify the **proposed length of the service** – the you will be required to provide the exact length in meters.

Load Details – New Connection and New Embedded Generation or Stand-by Generation

*Service Size 1

*Proposed Maximum Demand ⓘ Number of Phases Phase A Phase B Phase C 2

*Proposed Maximum Demand Calculation ⓘ Browse File...

*Are you intending to connect controlled load at this premises? ⓘ Yes No 3



You will find more information regarding metering and how Ausgrid applies tariffs in our publications ES3 Metering Installations and ES7 Application of Network Use of System Charges respectively available on our website at: <http://www.ausgrid.com.au>.

This section requires you to select the:

1. **Service Size** from the drop-down menu either 200 Amps, 400Amps, 630Amps, 800Amps, 1000Amps, 1200Amps, 1600Amps, 2000Amps, 2500Amps, 3000Amps – if other specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.
2. Select the **Number of Phases** from the drop-down menu. Select each phase (Phase A, Phase B, Phase C).



Note: You are required to specify the maximum demand and upload the **Proposed Maximum Demand Calculate**.

3. If you are intending to connect a controlled load at the premises, check the 'yes' (i.e. Electricity supplied to specific appliances e.g. electric hot water system or under floor heating). You will then be required to select the controlled load tariff (Off-peak 1 or Off-peak 2) from the drop-down menu, and select the number of phases that this will apply to.

Load Details – New Connection and New Embedded Generation or Stand-by Generation

*Residential	1	<input type="checkbox"/>
*Commercial		<input type="checkbox"/>
*Industrial		<input type="checkbox"/>
*House Services		<input type="checkbox"/>
*Temporary Builders Supply (TBS)		<input type="checkbox"/>
Total Number of Premises	<input type="text" value="0"/>	

This section requires you to:

1. Provide the **details of all premises** in the application. (Address details will be pre populated from the location information screen) Minimum one selection is required.



Note: Depending on the selection made additional information will be required.

*Residential <input checked="" type="checkbox"/>	*No of Residential Premises	<input type="text"/>	*Average No of Bedrooms per Unit	<input type="text"/>	Gas Hot Water <input type="checkbox"/>	Gas Cooktop <input type="checkbox"/>
*Commercial <input checked="" type="checkbox"/>	*Number of Commercial Premises	<input type="text"/>	*Total Floor Area without Aircondition in m2	<input type="text"/>	*Total Floor Area with Air-conditioning in m2	
*Industrial <input checked="" type="checkbox"/>	*Number of Industrial Premises	<input type="text"/>	*Warehouse Floor Area m2	<input type="text"/>	Commercial Areas for Food Handling <input type="checkbox"/>	
	*Number of House Service Premises	<input type="text" value="1"/>	*Total Floor Area of all Factory Units in m2	<input type="text"/>		
*House Services <input checked="" type="checkbox"/>	*Number of Premises	<input type="text" value="1"/>	*Proposed Maximum Demand	<input type="text"/>	*Number of Phases	Phase A <input type="text"/>
*Temporary Builders Supply (TBS) <input checked="" type="checkbox"/>					Phase B <input type="text"/>	Phase C <input type="text"/>
Total Number of Premises		<input type="text" value="2"/>				

Load Details – New Connection and New Embedded Generation or Stand-by Generation

*I will be installing equipment at the premises that may result in non linear / fluctuating loads 

1 Yes No

Distorting Loads

*1 Phase capacitor-filtered or conventional rectifier 2

*3 Phase 6-pulse capacitor filtered rectifier / VSD

*3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD

*3 Phase 6 pulse inductor filtered rectifier / VSD

*3 Phase 12 pulse rectifier / VSD


*AC voltage regulator

*Variable Voltage Variable Frequency (VVVF) drive


*Switch mode power supplies

*Power Factor Correction

*Other

	*kVA/kW	*Amp	*Design Standard		*Mitigation Measures
*1 Phase capacitor-filtered or conventional rectifier <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
*3 Phase 6-pulse capacitor filtered rectifier / VSD <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
*3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
*3 Phase 6 pulse inductor filtered rectifier / VSD <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
*3 Phase 12 pulse rectifier / VSD <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
*AC voltage regulator <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
*Variable Voltage Variable Frequency (VVVF) drive <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
*Switch mode power supplies <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
*Power Factor Correction <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>
*Other <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>

Please Specify

1. If there will be equipment at the premises that may result in non-linear or fluctuating load additional information is required. This section is for connections where any single item of plant or equipment has a rating >75 Amps at 230/400V, any HV connections, or Work where the proposed equipment may cause excessive fluctuations of voltage (e.g. lifts, welders, pumps, x-ray machines).
2. If the equipment will result in **Distorting Loads** you are required to select all relevant options and provide additional information. 

Load Details – New Connection and New Embedded Generation or Stand-by Generation

Fluctuating Loads (including Cranes)


*Rating of the largest motor

*Rating of the second largest motor

*Rating of other frequently fluctuating loads

*Other

1

1. If the equipment will result in **Fluctuating Loads** (including Cranes) you are required to select all relevant options and  provide additional information.

Fluctuating Loads (including Cranes)

*Rating of the largest motor

*kVA/kW

*Amp

*Design Standard

*Mitigation Measures

*Starting Current



*Rating of the second largest motor

*Rating of other frequently fluctuating loads

*Other

*Method of Starting

*Hours of Operation

*Number of Operation.Hr

*Equipment Specification

Browse File...

Please Specify

Load Details – New Connection and New Embedded Generation or Stand-by Generation

Special Equipment

X-Ray or Magnetic Resonance Imaging Devices


Welding plant rating


Arc furnaces rating

Unbalanced loads (e.g PH-N / PH-PH loads)

Other

1

1. If **Special Equipment** will be installed you are required to select all relevant options and  provide additional information.

Special Equipment 

	*kVA/kW	*Amp	*Design Standard	*Mitigation Measures	*Starting Current
*X-Ray or Magnetic Resonance Imaging Devices <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
			*Method of Starting	*Hours of Operation	*Number of Operation.Hr
			*Equipment Specification <input type="text"/> <input type="button" value="Browse File..."/>		
*Welding plant rating <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
			<input type="text"/>	<input type="text"/>	<input type="text"/>
*Arc furnaces rating <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
			<input type="text"/>	<input type="text"/>	<input type="text"/>
*Unbalanced loads (e.g PH-N / PH-PH loads) <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	*Mitigation Measures	
*Other <input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	*Mitigation Measures	

Please specify, e.g. incl >75A rated equipment

2. The **Total Apparent** power rating is auto calculated based on the information entered.

TOTAL APPARENT POWER RATING (kVA)

kVA/kW

Amp

2

Load Details – New Connection and New Embedded Generation or Stand-by Generation

***Construction of the premises connection assets will commence** ***When do you wish to electrify the premises?** 1

***Ausgrid has provided a Certified Design Number(CDN) for a Network Augmentation Project associated with the premises** Yes No 2

***Certified Design Number (CDN)**

***ASP 1 has been appointed** Yes No 3

***ASP Licence Number** ***ASP 1 Name**

***Do you have development consent (DA) for your proposal?** Yes No 4


***DA Reference Number**

***Attach copy of approved DA**

***Do you wish to underground / relocate electricity assets in conjunction with this connection application?** Yes No 5

***Underground / relocation details**

Comments 6

 This section is provided to supply additional comments, and upload attachments such as site diagrams, photos etc.

Please attach any documents that are relevant to your connection for example Proposed Design, sketch of the building, Photos etc

1. Provide the **Date** when construction of the premises connection assets will commence and when they wish to electrify the premises.
2. If Ausgrid has provided a **Certified Design Number (CDN)** for a network Augmentation project associated with the premises the you are required to provide this number. (If not proceed to next question).
3. If an **ASP 1** has been **appointed** you are required to provide the **ASP Licence Number** and the ASP 1 name. (If not proceed to next question).
4. If **Development Consent** for the proposal has been **granted** you are required to provide the **DA Reference Number** and also **attach** a copy of the approved DA. (If not proceed to next question).
5. If you wish to **underground or relocate electricity assets** in conjunction with this connection application the underground/relocation **details must be provided**. (If not proceed to next question).
6. Additional **comments** and **attachments**.

Embedded Generation

New Connection + Embedded Generation

Address: Gardinia Street, Narwee, 2209 Usage: Residential Type: Villa Unit/Shop: 7

*How do you intend to operate your Embedded Generation with the Ausgrid network? Parallel Stand By Parallel and Stand By

*The system has been designed as a Stand-by Generation in accordance with AS3010 and NSW service and installation rules Yes No

*Embedded Generation is connected via Inverter Non Inverter Inverter and Non-Inverter

+ Inverter

*Energy Source

Inverter Details

*Inverter Type

Manufacturer Name

Model Number

*Inverter Phase

Inverter Rating kW/kW per Phase

Phase A

Phase B

Phase C



Click the **Save** button to store your information

Cancel

Save

*Energy storage will be configured to generate when the network is off. Yes No


The embedded generation and/or storage is connected to Ausgrid's distribution system via a transformer that forms part of the customer's electrical installation. Yes No

1. Select how you will **operate the Embedded Generation**. By selecting "Parallel" you will be generating whilst connected to the Ausgrid network. By Selecting "Standby" or 'Parallel and Standby" you intend to operate your embedded Generation whilst either disconnected from the Ausgrid network, or both.
2. By Selecting '**Standby**' You will be asked to confirm your design is in accordance with AS3010 and NSW service and installation rules.
3. Select how the **Embedded Generation** will be connected, then click **+ Inverter** to add an inverter.
4. Select the **Energy Source** from the drop down list: **PV only, Battery only, PV and Battery, Fuel Cell or Other**.
5. Enter the **Inverter Details**, by selecting the **Inverter Type; Grid Connect, Multiple Mode, Micro Inverters or Other**. Select to **Invert Phase** from **Single or Three**, specify the total generation in Kw and complete the information relevant to the Inverter.
6. Click **Save** to add the information.
7. Confirm if **energy storage** will be configured to generate when the network is off.
8. Confirm if the embedded generation and / or storage is connected to the Ausgrid distribution system.

Embedded Generation


Summary


Premises	Storage kW	Other Power kW	Generation kW	Inverter kW (A+ B + C) = Total	Generation kW (non- inverter)	Generation Total kW
Usage: Residential	0	0	0	A: 400 + B: 0 + C: 0 = 400	0	400
Total	0	0	0	A: 400 + B: 0 + C: 0 = 400	0	400




***Single Line Diagram**

Better Connected Intranet Site [draft] 2019.4.17.png, Browse File...

File name	Size	Delete
Better Connected Intranet Site [draft] 2019.4.17.png	0.081 MB	

***Control/protection settings and schematic diagrams** 

Better Connected Intranet Site [draft] 2019.4.17.png, Browse File...

File name	Size	Delete
Better Connected Intranet Site [draft] 2019.4.17.png	0.081 MB	



This section provides a summary of the information provided in the Embedded Generation section including line and schematic diagrams.



Refer to NS194 for parallel generation requirements.

1. Click yes if your application is **multi-tenanted** or **embedded network**, such as apartment blocks, retirement villages, shopping centres etc.

My installation is part of a multi-tenanted premises or embedded network that has existing Inverter connected Generation installed. 

Yes No 1

***Total existing inverter connected generation kW**

Embedded Generation - Summary

Declaration

I confirm that the system meets each of the following conditions:

*I have made efforts to identify any other premises with Embedded Generation that share the network connection that this application pertains to, and have provided those details (where relevant) within this application.



*The installer and equipment have current approval from the Australian Clean Energy Council (CEC).



*Proposed inverter(s) complies with the voltage rise requirements of NSW Service and Installation Rules



*Proposed inverter(s) have Volt-VAR and Volt-Watt response modes enabled.



*In preparing this application I have considered the requirements of the Service and Installation Rules of NSW



*In preparing this application I have considered the requirements of the AS/NZS3000:2018 The Wiring Rules.



*In preparing this application I have considered the requirements of the AS/NZS4777 Grid connection of energy systems via inverters



1

*I acknowledge the terms & conditions.



2

Back

Save & Share

Download PDF

Pay

3



Dependent on your application type you may have the option to **expedite your connection** offer if you are seeking The Model Standing Offer*.

The **expedited connection** process allows you to save time by skipping the offer and acceptance steps to a connection contract. If you request expedition and indicate that a particular model standing offer is acceptable, the contract is taken to have begun on the day we received your connection application, provided we agree that any model standing offer you have nominated is appropriate.

If you do not request expedition or you nominate an inappropriate model offer, it could add up to **55 days** to your connection process.

1. Click the declaration for each item that:

i. You have made contact with the Property Managers / Body Corporates to confirm that you have all the information related to the site / facility at which the premises exist.

ii. The installer and equipment have current approval from the Australian Clean Energy Council:

www.cleanenergycouncil.org.au/.

iii. Inverters comply voltage rise requirements:

<https://energy.nsw.gov.au/government-and-regulation/legislative-and-regulatory-requirements/service-installation-rules>.

iv. Inverters have Volt-VAR and Volt-Watt response

modes enabled: <https://energy.nsw.gov.au/government-and-regulation/legislative-and-regulatory-requirements/service-installation-rules>.

v. You have considered the requirements of the Service and Installation Rules of NSW:

<https://energy.nsw.gov.au/government-and-regulation/legislative-and-regulatory-requirements/service-installation-rules>.

vi. You have considered the requirements of the

AS/NZS3000:2018 Wiring Rules, more information can be found at: <https://www.saiglobal.com/online/>.

vii. You have considered the requirements of the

AS/NZS4777 Grid Connection of energy systems via inverters: <https://www.saiglobal.com/online/>.

Embedded Generation - Summary

New Connection Above 100 AMP

Reference Code : 0012799

New Connection + Embedded Generation

1

LOCATION

Retailer
Agl
Land Title Type
Strata
Street Number/RMB
39
Location Address
Gardinia Street, Narwee, 2209
Land Zoning
Urban
Location Diagram

File name	Ausgrid filename reference	Size
Location Diagram.jpg	LocationAttachmentFilePath_1	0.063 MB

APPLICANT

Applicant Type
Retail Customer
Full Name
Miss Ima Newconnection
Email Address
NewConnection@Over100
Street Number/RMB
39
Applicant Address
Gardinia Street Narwee 2209
Phone Number
0412123456

[Edit]

2

LOAD DETAILS

Proposed Point Of Common Coupling
Pole
Proposed Asset Identifier
Unknown
Proposed Connection Point
Front Of Premises
Proposed Service Length
51
Proposed Service Type
Overhead
Service Voltage
Low Voltage 230/400v
Service Size
200 Amps
Proposed Maximum Demand

Number Of Phases: 1 Phase A: 20

1. **Review** your application.

2. You will have the option to edit information from this summary page by selecting Edit

Note: Providing incorrect or incomplete information will result in an invalid application; this will mean that you will have to complete a new application and pay any additional associated fees.



Note: The form will not be submitted to Ausgrid until payment has been made.

New Connections Only - Summary

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 - over 100 Amps connections (Download here)

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

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

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

* Standard connection services - contestable ASP1 connections (Download here)

* I do not know which one of these offers is relevant

Please select one offer.



The expedited connection process allows you to save time by skipping the offer and acceptance steps to a connection contract. If you request expedition and indicate that a particular model standing offer is acceptable, the contract is taken to have begun on the day we received your connection application, provided we agree that any model standing offer you have nominated is appropriate. If you do not request expedition or you nominate an inappropriate model offer, it could add up to **55 days** to your connection process.

* I acknowledge the terms & conditions.

Back

Save & Share

Download PDF

Pay



You can Save & Share your application. Use the Save & Share function to email your application form to another person or yourself. A copy of your application can also be downloaded in PDF format for your own records.

1. Dependent on your application type you may have the option to **expedite your connection offer** if you are seeking The Model Standing Offer*. **Select** one offer.
 2. Click to acknowledge the **terms and conditions**.
 3. Click Pay to proceed to the **payment page**.
- Note:** You can Save & Share your application. Use the Save & Share function to email your application form to another person for payment and submission.

Embedded Generation - Payment

Payment Confirmation

Do you want to proceed to payment for the amount : AUD

Pay

Or

Share application for payment

Email Address

Share



Make a BPOINT Payment

Biller Code: 1261338 (Ausgrid - Ausgrid)

Ref#: 0011659

Amount (AUD):

Select your payment option:  



Online Payment

You have entered the following details

Biller Code: 1261338 (Ausgrid - Ausgrid)

Ref#: 0011659

Payment Amount: AUD

Please enter your card details to proceed

Card Number: 

Expiry Date: MM YY

CVN:

<< Back Proceed >>

1. To proceed with payment select **Pay** and follow the payment options.



You can send the completed form to a third party to complete the payment. Then instruct that party they will receive an email and they should follow the link to make payment.

Note: only once payment is successfully submitted the application will be received and processed by Ausgrid.