Guide to completing: Modifying Existing Connections Above 100 Amps Application

- Separation
- Amalgamation
- Alter Existing Connection

Note – for EMBEDDED GENERATION requests select ALTER EXISTING CONNECTION



Introduction

Why use this form

This form should be used to modify an existing connection when it is:

- A connection above 100 Amps; or
- A Connection at high voltage.

The guide contains these sections:

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Why complete this form?

Ausgrid needs the information requested in this form so it can assess your requirements and make you an 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 marked as a WHITE chevron with GREEN text
- 3. Current section is marked as a BLUE chevron with WHITE text
- 4. Next sections is marked 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



- 2. Mandatory fields must be completed before proceeding
- 3. Non completed mandatory fields are shown as



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

+ Add New

- Image: Way of the second sec
- 6. Radio button (select only one) O yes O No
- Drop Down selection option allows you to select from prepopulated list of options



Existing Above 100amp - Location Information

Reference Code : 0013095

Retailer	1 -	NMI		Meter Num	ber	2	
Property Name		Property Type	3	*Land Title	туре	4	-
Floor Number Unit	t/Shop Number	*Street Number/RMB	or	*Lot Number	or	*Lot/DP Number	
*Street Name			Nearest Cross Stree	et			
Suburb		*Postcode	*Land Zoning			6	
Location Diagram This section is property, nearest cross street, No							

Existing Connection Above 100 AMP

- If you know who the Retailer will be, select the company details from the drop down menu.
 - If you have a National Meter Identifier (NMI) and a Meter Number.

Δ

<u>Note:</u> The NMI can be found on the electricity bill.

- Select the **Property Type** from the drop down menu for example: House, Unit, Shop etc.
- Select the **Land Title Type** from the drop down menu for example Torrens, Strata, Community Title, Public or other.
- Enter the **address** where the new connection is required, this could be entered either as a Street/RMB Number, Lot Number or Lot/DP Number which can be found on the Development Application (DA) or council rate notice.
- 6. Select the Land Zoning from drop down menu for example: Urban, Rural or Other.

<u>Note</u>: The Landing Zone information should auto populate with data from the NSW Government Planning Portal.

Existing Above 100amp - Applicant Information

Existing Connection Above 100 AMP					Reference Co	de : 0013095
Location Applicant Service Selection	> Load Details	Summary and	d Payment	Comple	ete	
*Applicant Type ASP on behalf of a Retail Customer or Real Estate Developer						1 × •
*Title *First Name		*L:	ast Name			
Miss X 🔻 Ima			Modifier			
*Email Address		*Confirm Email A	ddress			
Modifier@gmail		Modifier@gmail				
Search by ABN, ACN Company Name						
						0
Floor Number Unit/Shop Number	Street Nur	mber/RMB			PO Box/Locked Bag	2
	39			or		2
*Street Name		Nearest Cross Str	eet			
Gardinia Street						
*Suburb *Postco	ode	*Phone Number	î		Other Number	
Narwee 2209		0412123456				
*ASP Number		*ASP Level				
						~ 0
Save your company details for future applications.						3



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

Select the **Applicant Type** from the drop down menu for example: ASP, Electrical Contractor, Retail Customer etc.

1.

2.

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

If you are applying for modification of 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).

Enter the **applicant details** of the person making the application. YOUR details – i.e. 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 make an application, receive and accept a connection offer from Ausgrid on their behalf.

 Click this option if you would like to save your company details for future applications.

Service Selection - Separation

Existing Connection Above 10	0 AMP		Reference Code : 001309
Location Applicant	Service Selection	oad Details Summary and Pa	ayment Complete
Services			
What type of service a	re you seeking?	3 Alter Existing Connection	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



You can Save & Share you application. Use the Save & Share function to email your application form to another person or yourself.



The service you chose 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. 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 Ausgrid's network (even if only momentarily). Examples of embedded generation includes:

- Solar PV Gas
- Wind turbine Batteries
- Diesel
- Co and Tri-generation

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

- 1. **Separation**. Select this option if you wish to divide your current electrical metering to two or more premises.
- 2. Amalgamation. Select this option if you wish to combine two or more premises.
- 3. Alter Existing Connection. Select this option if you already have a connection with Ausgrid and you wish to:
 - i. Alter the Maximum Capacity
 - ii. Alter the Consumer Mains
 - iii. Alter the Switchboard
 - iv. Alter the Connection Points
 - v. Alter an Existing Embedded Generation or Storage Systems
 - vi. Connect a New Embedded Generation or Storage Systems
 - vii. Alter, install or remove a controlled load
 - viii. Alter the Number of Phases
 - ix. Install or replace 'A' pole (Private)
 - x. Alter a Point of Common Coupling
 - xi. Disconnection / Reconnection

Existing Connection Above 100 AMP	Reference Code : 0013095
Location Applicant Service Selection Load Details Summ	ary and Payment Complete
Separation	
Connection Details for New Premises - Gardinia Street, Narwee, 2209	
*Premises Usage	2 - Floor Number Unit/Shop Number
*Proposed Maximum Demand •	Phase B Phase C
*Are you intending to connect, alter or maintain controlled load at this premises? •	Ye4 No Embedded Generation 5
Total number of New premises	Premise details can be edited, Duplicate deleted and duplicated by + Add New clicking the applicable buttons.
1	•

- Select the Premises Usage details from the drop down menu, for example: Residential, Commercial or Industrial.
 - Select the **Property Type** from the drop down menu for example: House, Unit, Shop etc. if available provide additional details such as Floor and/or Unit and Shop number.

2.

3.

- For each premises, select the **Number of Phases** from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the proposed maximum demand.
- 4. If intending to connect, alter or maintain **Controlled Load** at the premises select '**Yes**'.

Then select the controlled load tariff (Off-peak 1 or Offpeak 2) from the drop-down menu, and select the number of phases that this will apply to.

<u>Note</u>: If there is an Alteration you will be required to completed questions relating to the alteration on page 24.

 Select the premise/s requiring Embedded Generation.
 <u>Note</u>: If there is Embedded Generation you will be required to completed questions relating to the Embedded Generation on page 16.



Existing Connection Above 100 AMP	Reference Code : 0013095
Location Applicant Service Selection Load Details Summa	ry and Payment Complete
*Proposed Point of Common Coupling	
	· 1
*Proposed Asset Identifier	• 2
*Proposed Connection Point	
	- <mark>•</mark> 3
*Proposed Service Length	4
*Proposed Service Type	
*Service Voltage	5
	Ŧ
*Service Size	- 6

i

Ausgrid Better Together 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 response.

This section captures 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.
- Provide the Asset Identifier for the point of common coupling if there is no asset identifier enter 'unknown'.
- 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.
- Specify the Proposed Length of the Service if greater than 50 metres, the applicant will be required to provide the exact length in metres.
- 5. Select the proposed **Service Type and Voltage** from the dropdown menus.
- Select Service Size from the drop-down menu, if other than the Amps specified, provide the demand that is nearest to, but above the calculated maximum demand in the additional field displayed.

8

Existing Connection Above 100 AMP	Reference Code : 0013095	0	If you ticked NO to non linear / fluctuating loads go to
Location Applicant Service Selection Load Details Summary and Payment Complete		S.	page 11
\star I will be installing equipment at the premises that may result in non linear / fluctuating loads $oldsymbol{0}$	🔘 Yes 🔿 🕅	1.	Will you be installing equipment at the premises resulting in non linear or fluctuating loads.
Distorting Loads			- If No , proceed to entering dates when premise construction will
*1 Phase capacitor-filtered or conventional rectifier	2		commence and when the premises will be electrified. - If Yes , continue with questions relating to non linear and fluctuating
*3 Phase 6-pulse capacitor filtered rectifier / VSD			loads.
*3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD		2.	Select the applicable Distorting Loads .
*3 Phase 6 pulse inductor filtered rectifier / VSD			Note: Depending which selection is made you will be required to specify the kVA/kW, Amp, Design Standard and Mitigation
*3 Phase 12 pulse rectifier / VSD			Measures.
AC voltage regulator	*kVA/kW *Amp *Design Stand	dard	*Mitigation Measures
*Variable Voltage Variable Frequency (VVVF) drive		- -	
Switch mode power supplies		3.	Select the applicable Fluctuating Loads.
Power Factor Correction			Note: Depending which selection is made additional which selection is made additional
tother			will be required, such as the kVA/kW, Amp, Design Standard
		i i	Mitigation Measures, Starting Current, Method of Starting, Hours of Operation, Number of Operation.Hr and attaching Equipment
Fluctuating Loads (including Cranes)			Specification.
*Rating of the largest motor	3 *kVA/kW *Amp *Design S	Standard	*Mitigation Measures *Starting Current
*Rating of the second largest motor	*Method	of Starting	*Hours of Operation *Number of Operation.Hr
*Rating of other frequently fluctuating loads	*Equipme	ent Specifi	cation
tother			• Browse File

Existing Connection Above 100 AMP	Reference Code	: 0013095		
Location Applicant Service Selection Load Details Summary and	Payment Complete			
Special Equipment		1 Salaat th	ne applicable Special Equipment .	
*X-Ray or Magnetic Resonance Imaging Devices		1	lote: Depending which selection i	s made additional
*Welding plant rating		· · · · · · · · · · · · · · · · · · ·	nformation will be required, such a Standard Mitigation Measures, Sta	
Arc furnaces rating			of Starting, Hours of Operation, N	-
*Unbalanced loads (e.g PH-N / PH-PH loads)		Operatio	n.Hr and attaching Equipment Sp	ecification.
tother		2. The Tota	al Apparent Power Ratings (KVA)	will be shown.
TOTAL APPARENT POWER RATING (KVA)	*kVA/kW *Amp *Design Stand	*Mitigation Measures	*Starting Current	
·				
	*Method of St	rting *Hours of Operation	*Number of Operation.Hr	
	*Equipment S	ecification		
			🛈 Browse File	



Construction of the premises connection assets wil	L commence 🕄	When do you wish to electrify the premises?	1 🖬	
*Ausgrid has provided a Certified Design Number(*Certified Design Number (CDN)	CDN) for a Network Augmen	tation Project associated with the premises	● Yes ○ No 2	
*ASP 1 has been appointed *ASP Licence Number		*ASP 1 Name	^{● Yes} ○ No	
*Do you have development consent (DA) for your proposal? *DA Reference Number *Attach copy of approved DA Browse File				
*Do you wish to underground / relocate electricit *Underground / relocation details	y assets in conjunction with	this connection application?	© yes ○ №	
	If you selected yes page 7, you will be page 16. Otherwise	this connection application? to Embedded Generation on step 5, required to complete the steps on e proceed to the summary and on the following pages.	Yes No S Yes No S Yes No S Yes No No S Yes No No S S Yes No No S	

- Provide the **dates** when construction of the premises connection assets will commence and when you wish to electrify the premises.
- 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).
- If an ASP1 has been appointed select 'Yes' and provide the ASP Licence Number and the ASP1 name. (If not select 'No', proceed to next question).
- 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 select 'No', proceed to next question).
- If the applicant wants to underground or relocate electricity assets in conjunction with this connection application then select 'Yes' and details must be provided. (If not select 'No', proceed to next question).
- 6. Are you **altering the existing premises**, this includes altering the maximum demand at the existing premises.

- If **No**, add additional comments and/or attachments then select next to proceed with the application, (Go to the Summary Section on the next page).

- If Yes, (Go to Alteration existing connection on page 24).

Separation – Summary No Alterations + No Embedded Generation

Existing Connection Above 100	AMP Reference Code : 00130	1. Review your application.
Separation	1	 You will have the option to edit information from this summary page.
Retailer Energy Australia NMI 40000000002 Land Title Type Strata Street Number/RMB 39 Location Address Gardinia Street, Narwee, 2209 Land Zoning Urban Location Diagram File name Diagram.jpg	LOAD DETAILS LOAD DETAILS FOR NEW PREMISES Premises No. of Phases Phase A Phase B Phase C Controlled L Usage: Residential Type: House 1 200 Number Of Premises: 1 Proposed Point Of Common Coupling Pole Proposed Asset Identifier Unknown Proposed Connection Point Front Of Premises I Proposed Service Length 50 Proposed Service Type Overhead Service Voltage Low Voltage 230/400v Service Size 200 Amps	oad Phases EG None Initial contraction of the choices you made regarding embedded generation and alterations.
APPLICANT Applicant Type Retail Customer Full Name Miss Ima Modifier Email Address Modifier@gmail Street Number/RMB 39 Applicant Address Gardinia Street Narwee 2209 Phone Number 0412123456	I Will Be Installing Equipment At The Premises That May Result In Non Linear / Fluctuating Loads No Ausgrid Has Provided A Certified Design Number(Cdn) For A Network Augmentation Project Associated With The Premises No Asp 1 Has Been Appointed No Do You Have Development Consent (Da) For Your Proposal? No Do You Wish To Underground / Relocate Electricity Assets In Conjunction With This Connection Application? No Are You Altering The Existing Premises? No	2 ^{(Edit}

Separation - Summary – Expedited Connection No Alterations + No Embedded Generation

EXPEDITED CONNECTION

Do you want to expedite your connection offer for all premises?	• Yes No
You can download the Basic Connection Services Offer - up to 100 Amps for you	r records here.
* Basic connection services - 100 Amps connections (Download here)	*Basic connection services - over 100 Amps connections (Download DAmps 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	

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.

Expediting your connection offer

 Select YES to expedite your connection. <u>Note</u>: By selecting 'Yes', and requesting an expedited connection offer, the connection application will be processed more efficiently because; if Ausgrid agrees that the offer is right for your proposed connection, there is no need for the offer to be sent to you, signed and returned to Ausgrid.



<u>Note:</u> If you select 'No' Ausgrid will send you an offer that meets your supply requirements.

2. Select your preferred Connection Offer.

<u>Note</u>: Additional information about Connection Contracts can be found here:

https://www.ausgrid.com.au/Connections/Connection-Contracts#.WvvYQNhIJD8



You can only select one offer.



Separation – Declaration No Alterations + No Embedded Generation

DECLARATION	
	1
Applicant Name	
Miss Ima Modifying	
Application Date	
31-May-2019	
Price Description	Price Including GST
	AUD \$
	AUD \$
Total Price	AUD \$
Terms and Conditions:	

In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once submitted the fee charged is consumed. Ausgrid will aim to provide you with a written response within 10 business days. If additional work and/or fees are required, we will contact you to advise prior to providing the response.

Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer and agree that if the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives the application. Where this application is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the authority of that person to make this application of their behalf, including where applicable, making a request for expedition of the connection application.

*I acknowledge the terms & conditions.



- Review your **Declaration** that you understand the Total Price to be paid and the Terms and Conditions.
- 2. By selecting this box you **acknowledge** the terms and conditions.
- Click Pay to move to the payment screen or Save & Share your application.

Note: You can Save & Share you application. Use the Save & Share function to email your application form to another person for payment and submission.



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



2

This declaration summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.

Payment Separation – No Alterations + No Embedded Generation

ayment Confirmation					×	
o you want to proceed to	payment for	the amount : A	UD	Pay	,	
		Or				
hare application for payn	nent	Email Address	Ì	Shai	re	
BPOINT [®] Receivables Solution			Supported by the Corrmonwealth B	ark 🔶		
				ark 🔶		в
Receivables Solution	1261338 (Aus	grid - Ausgrid)		ank 🔶		B
Receivables Solution Make a BPOINT Payment	1261338 (Aus 0011659	grid - Ausgrid)		ank 🔶		Rec
Receivables Solution Make a BPOINT Payment Biller Code:		grid - Ausgrid)		ark 🔶		
Receivables Solution Make a BPOINT Payment Biller Code: Ref#:				ark 🔶		
Receivables Solution Make a BPOINT Payment Biller Code: Ref#: Amount (AUD):	0011659			ark 🔶		

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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 i 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.

	CommonwealthBark 🥠
POINT celvables Solution	
	Online Payment
You have entered the follo	wing details
Biller Code:	1261338 (Ausgrid - Ausgrid)
Ref#:	0011659
Payment Amount:	AUD :
Please enter your card de	tails to proceed
Card Number:	VISA
Expiry Date:	MM YY
CVN:	0
	<< Back Proceed >>

Separation + Embedded Generation

Location	Applicant	Service Selection	Load Details	Embedded Ge	eneration	Summary and Paymen	t)
Complete							
Separation + E	Embedded Ge	eneration					
*Inverter P	hase	Inver	Pr Pr	hase A	Phase B	Phase C	
Address: Gardinia S	Street, Narwee, 2	2209 Usage: Residential Ty					
*How do you int	end to operate	your Embedded Generatio	on with the Ausgrid n	etwork?	🔵 Pa	rallel 🔵 Stand By 🖲 I	Parallel and Stand By
*The system has	been designed	as a Stand-by Generation i	n accordance with AS	53010 and NSW serv	rice and installati	ion rules	• Yes \odot No 2
*Embedded Ger	eration is conne	ected via) Inverter	Non Inverter	ter and Non-Inverter 3
							J
+ Inverter							
Please add an i	nverter.						
	_						
+ Non-Inverter							
Please add a No	on-Inverter.						

Existing Connection Above 100 AMP

Summary						
Premises	Storage kW	Other Power kW	Generation kW	inverter kW (A+ B + C) = Total	Generation kW (non- inverter)	Generation Total kW
Usage: Residential Type: Unit Unit/Shop: 7	0	0	0	A: 0 + B: 0 + C: 0 = 0	0	0
Total	0	0	0	A: 0 + B: 0 + C: 0 = 0	0	0

Reference Code : 0013095



If you selected yes to Embedded Generation on step 5, page 7, you will be required to complete the following steps.

- 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.
- <u>Note:</u> By Selecting 'Standby' You will be asked to confirm your design is in accordance with AS3010 and NSW Service and Installation Rules.
- Select how the Embedded Generation will be connected, then click + Inverter to add an Inverter, or + Non-Inverter to add a Non-inverter.

Separation + Embedded Generation

Location Applicant	Service Selection	Load Details	Embedded Generation	Summary and Paymer	nt
Complete					
New Inverter					
*Energy Source					
-Energy Source					- 1
Inverter Details					
*Inverter Type	Manufad	turer Name	Model M	lumber	0
	• •				2
*Inverter Phase		Phase	e A Phase B	Phase C	0
	per Pha	Rating kW/kW se			3
	\frown			P& Cancel	H Save
h	elpful	k the Save buttor	n to store your inform	ation	
	tips	Sk the Save Duttor		allon	
*Energy storage will be configured	to generate when the netwo	rk is off.			Yes No 4
New Generation Unit (GU) Details					
Generation Type	Manuf	acturer Name	Мо	del Number	5
	·				9
Generation Phase	GU Na	Ph meplate Rating	nase A Pha	ise B Phas	
	• in kW				6
				R Car	ncel 🦂 Save
	nelpfuly _{ci}	ick the Save butto	on to store your inform	nation	
	tips [®]				

Reference Code : 0013095

- For a New Inverter select the Energy Source from the drop down list: PV only, Battery only, PV and Battery, Fuel Cell or Other.
- 2. Enter the **Inverter Details**, by selecting the **Inverter Type**; Grid Connect, Multiple Mode, Micro Inverters or Other.
- Select to Inverter Phase from Single or Three, specify the total generation in kW and complete the information relevant to the Inverter. Click Save to add the information.
- 4. Confirm if the **Energy Storage** will be configured to generate when the network is off.
- 5. For a **New Generation Unit** select the **Generation Type** from the drop down list: Rotating Machine, Hydro or Other.

Note: You will be asked to supply the kW.

 Select the Generation Phase from either Single or Three, then enter the Generating Unit (GU) Nameplate rating in kW. Click Save to add the information.

Separation + Embedded Generation

Existing	Connection	Above	100 AMP	

Reference	Code :	0013095
CICICICICC	couc.	0010030

Location	Applicant	Service Selection	Load Details	Embedded Generation	Summary and Payment
Complete					

Separation + 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 Type: Unit Unit/Shop: 7	100	0	0	A: 100 + B: 0 + C: 0 = 100	100	200
Total	100	0	0	A: 100 + B: 0 + C: 0 = 100	100	200

*Single Line Diagram	• Browse File
*Control/protection settings and schematic diagrams 🛛	⊕ Browse File 2
My installation is part of a multi-tenanted premises or embedded network that has existing Inverter connected Generation installed. ④ *Total existing inverter connected generation kW	€ Yes O No

- 1. Attach the Single Line Diagram.
- Attach the Control / Protection Settings and Schematic Diagrams. Refer to NS194 for parallel generation requirements.
- Select Yes if your application is multi-tenanted or embedded network. Enter the Total existing inverter connected generation kW.

<u>Note</u>: Examples of multi-tenanted premises or imbedded networks may include apartment blocks, retirement village, shopping centres etc.



Separation + Embedded Generation Declaration

g Connectio	n Above 100 A	AMP			Reference Code : 00)130
Location	Applicant	Service Selection	Load Details	Embedded Generation	Summary and Payment	
Complete						
aration						
firm that the	system meets e	each of the following con	ditions:			
		any other premises with I where relevant) within this		n that share the network conr	ection that this application pertains to,	
he installer ar	nd equipment ha	ve current approval from	the Australian Clean	Energy Council (CEC).		
roposed inver	ter(s) complies v	vith the voltage rise requi	rements of NSW Ser	vice and Installation Rules		
proposed inver	ter(s) have Volt-'	VAR and Volt-Watt respo	nse modes enabled.			
n preparing th	is application I h	ave considered the requir	ements of NS194 Co	nnection of Embedded Genera	tors	
n preparing th	is application I h	ave considered the requir	ements of the Servic	e and Installation Rules of NS	W	
n preparing th	is application I h	ave considered the requir	ements of the AS/N2	ZS3000:2018 The Wiring Rules.		

Save & Share

Next

. Select the declaration for each item that:

Back

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

www.cleanenergycouncil.org.au/

- iii. Inverters comply voltage rise requirements: <u>https://energy.nsw.gov.au/government-and-</u> <u>regulation/legislative-and-regulatory-requirements/service-</u> <u>installation-rules</u>
 - Inverters have Volt-VAR and Volt-Watt response modes enabled: <u>https://energy.nsw.gov.au/government-and-</u> regulation/legislative-and-regulatory-requirements/serviceinstallation-rules
- v. You have considered the requirements for NS194 Connection of Embedded Generators: <u>https://www.ausgrid.com.au/ASPs-and-</u> <u>Contractors/Technical-documentation/Network-Standards</u>
- vi. 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/serviceinstallation-rules

- vii. You have considered the requirements of the AS/NZS3000:2018 Wiring Rules, more information can be found at: <u>https://www.saiglobal.com/online/</u>
- viii. You have considered the requirements of the AS/NZS4777 Grid Connection of energy systems via inverters: https://www.saiglobal.com/online/

Summary Separation + Embedded Generation

Existing Connection Above 100 AMP	Reference Code : 0013095	
✓ Separation + Embedded Generation	1	
LOCATION	1	
Retailer Energy Australia NMI 40000000002 Land Title Type Strata Street Number/RMB 39 Location Adress Cardina Street, Narwee, 2209 Land Zoning Urban Location Diagram		
File name Ausgrid filename reference	e Size	
Diagram.jpg LocationAttachmentFilePat	2	
	[Ealit]	
APPLICANT Applicant Type Retail Customer Full Name Mais ima Modifier Email Address Modifier@gmail Street Number/RMB 39 Applicant Address Gardina Street Narvee 2209 Phone Number 041212345	Usage: Residential Type: House 1 200 Number of Premises: 1 Proposed Point Of Common Coupling Pole Proposed Asset Identifier Upport Asset Identifier Proport Asset Identifier Upport Asset Identifier Upport Asset Identifier Upport Identifier Source Strike Explorition No No No No Do You Have Development Consent (Da) For Your Proposal? No Do You Wish To Underground / Relocate Electricity Assets In Conjunction With This Connection Application?	rolled Load Pi
	No Are You Altering The Existing Premises? No	
Ausgrid Better Together	USAGE: RESIDENTIAL TYPE: HOUSE How Do You Intend To Operate Your Embedded Generation With The Ausgrid Network? Parallel	

- 1. Review your application.
- 2. You will have the option to edit information from this summary page.



2 [Edit]

This summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.

Summary - Expedited Connection Separation + Embedded Generation

EXPEDITED CONNECTION

Do you want to expedite your connection offer for all premises?	• Yes No
You can download the Basic Connection Services Offer - up to 100 Amps for you	ır records here.
* Basic connection services - 100 Amps connections (Download here)	* Basic connection services - over 100 Amps connections (Download Pere)
* 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	



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.

Expediting your connection offer

Select YES to expedite your connection.
 <u>Note</u>: By selecting 'Yes', and requesting an expedited connection offer, the connection application will be processed more efficiently because; if Ausgrid agrees that the offer is right for your proposed connection, there is no need for the offer to be sent to you, signed and returned to Ausgrid.



<u>Note:</u> If you select 'No' Ausgrid will send you an offer that meets your supply requirements.

2. Select your preferred Connection Offer.

<u>Note</u>: Additional information about Connection Contracts can be found here:

https://www.ausgrid.com.au/Connections/Connection-Contracts#.WvvYQNhIJD8



You can only select one offer.



Declaration - Expedited Connection Separation + Embedded Generation

DECLARATION	4
Applicant Name Miss Ima Modifying Application Date 31-May-2019	
Price Description	Price Including GST
	AUD \$
	AUD \$
Total Price	AUD \$
Terms and Conditions:	

In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once submitted the fee charged is consumed. Ausgrid will aim to provide you with a written response within 10 business days. If additional work and/or fees are required, we will contact you to advise prior to providing the response.

Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer and agree that if the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives the application. Where this application is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the authority of that person to make this application of their behalf, including where applicable, making a request for expedition of the connection application.

*I acknowledge the terms & conditions.



- Review your **Declaration** that you understand the Total Price to be paid and the Terms and Conditions.
- 2. By selecting this box you **acknowledge** the terms and conditions.
- Click Pay to move to the payment screen or Save & Share your application.

<u>Note</u>: You can **Save & Share** you application. Use the **Save & Share** function to email your application form to another person for payment and submission.





2

This declaration summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.

Payment - Expedited Connection Separation + Embedded Generation

Payment Confirmation		×
Do you want to proceed to pa	yment for the amount : AUD	Pay
	Or	
Share application for paymer	Email Address	Share
BPOINT	Supported by the Corrmonwealth B:	ank 🔶
Receivables Solution Make a BPOINT Payment		
Biller Code:	1261338 (Ausgrid - Ausgrid)	
Ref#:	0011659	
Amount (AUD):	0	-
Select your payment option:		

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.

		Supported by the
S		CommonwealthBank
POINT aceivables Solution		Ť
eceivables Solution		
	Online Payment	
You have entered the follo	owing details	
Biller Code:	1261338 (Ausgrid - Ausgrid)	
Ref#:	0011659	
Payment Amount:	AUD :	
Please enter your card de	tails to proceed	
Card Number:	۲ <u>ا</u>	/ISA
Expiry Date:	MM	
CVN:	•	
	<< Back Proceed >>	

Details for Existing Premises - Gardinia Street, Narwee, 2209						
*Premises Usage	Floor Number Unit/Shop Number	2				
Select a minimum of one option from either of the two tables below.	Service change	3				
Alter Maximum Capacity	Alter Number of Phases					
Alter Consumer Mains	Install or replace 'A' pole (private)					
Alter Switchboard	Alter Point of Common Coupling					
Alter Connection Point	Disconnection / Reconnection					
Alter an Existing Embedded Generation / Storage System	Other 🗌					
Connect a New Embedded Generation / Storage System	If you selected yes to Alterations on step 6, pa	age				
Install, Alter or Remove Controlled Load	11, you will be required to complete the follow	<i>i</i> ing				
other	steps.					
Additional Comments (up to 2000 characters)		Δ				



This section captures the information which is being altered on the existing premises. This includes altering the maximum demand at the existing premises. You can select as many options you need to, which relate to the application.

- Select the Premises Usage details from the drop down menu, for example: Residential, Commercial or Industrial.
- 2. Select the **Property Type** from the drop down menu for example: House, Unit, Shop etc. if available provide additional details such as Floor and/or Unit and Shop number.
- 3. Select all applicable **Installation and Service Changes** to be assessed with the application.

<u>Note</u>: Each option selected will open additional fields to be completed which relate to the changes to the existing premises.



For more information on alterations a detailed step by step guide for Installation and Service Changes can be found on page 65 in this guide.

 Add additional Comments and/or Attachments then click next to proceed with the application.

<u>Note:</u> If you have **NO** Embedded Generation (Go to page 29) otherwise proceed to the Separation + Embedded Generation guide on the following pages.

Alsting Connection Above 1	00744			- Colore	nce code : 001303
Location Applicant	Service Selection	Load Details	Embedded Generation	Summary and Payment	
Complete					
*Inverter Phase	neration	Dha	se A Phase B	Phase C	
r		ter Datind kW/kW	se A Phase B	Phase C	
ddress: Gardinia Street, Narwee, 2	209 Usage: Residential Ty	pe: Unit Unit/Shop: 7			
*How do you intend to operate y	your Embedded Generati	on with the Ausgrid ne	twork? 🖲	🔵 Parallel 🔵 Stand By 🖲 Pa	rallel and Stand By
*The system has been designed a	as a Stand-by Generation	in accordance with AS3	010 and NSW service and ins	tallation rules	● Yes ○ No 2
*Embedded Generation is conne	ected via			ter 🔵 Non Inverter 🖲 Inverte	r and Non-Inverter 3
+ Inverter					
Please add an inverter.					
+ Non-Inverter					
Please add a Non-Inverter.					

Evisting Connection Above 400 AMD

Summary						
Premises	Storage kW	Other Power kW	Generation kW	Inverter kW (A+ B + C) = Total	Generation kW (non- inverter)	Generation Total kW
Usage: Residential Type: Unit Unit/Shop: 7	0	0	0	A: 0 + B: 0 + C: 0 = 0	0	0
Total	0	0	0	A: 0 + B: 0 + C: 0 = 0	0	0

Reference Code : 0013095



If you selected yes to Embedded Generation on step 5, page 7, you will be required to complete the following steps.

- 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.
- <u>Note:</u> By Selecting 'Standby' You will be asked to confirm your design is in accordance with AS3010 and NSW Service and Installation Rules.
- Select how the Embedded Generation will be connected, then click + Inverter to add an Inverter, or + Non-Inverter to add a Non-inverter.

ing Connectio	n Above 100 A	AMP				Reference Co	de : 001309
Location	Applicant	Service Selection	Load Details	Embedded Gener	ation Summa	ry and Payment	
Complete							
Name la contra							
New Inverter							
Energy Source							-
nverter Details							
nverter Type		Manufac	urer Name		Model Number		
		·					
nverter Phase		v per Phas	Rating kW/kW	ase A	Phase B	Phase C	
	h	elpful	k the Save but	ton to store your ir	nformation	R Cancel R Sa	ve
Energy storage w	ill be configured to	generate when the networ	k is off.			🔿 Yes 🌘	No
lew Generation	Unit (GU) Details						
eneration Type		Manuf:	acturer Name		Model Number		
eneration Phase	•	⊽ GU Nar v in kW	neplate Rating	Phase A	Phase B	Phase C	
	h		ck the Save bu	tton to store your	information	🛱 Cancel	N Save

- For a New Inverter select the Energy Source from the drop down list: PV only, Battery only, PV and Battery, Fuel Cell or Other.
- 2. Enter the **Inverter Details**, by selecting the **Inverter Type**; Grid Connect, Multiple Mode, Micro Inverters or Other.
- Select to Inverter Phase from Single or Three, specify the total generation in kW and complete the information relevant to the Inverter. Click Save to add the information.
- 4. Confirm if the **Energy Storage** will be configured to generate when the network is off.
- 5. For a **New Generation Unit** select the **Generation Type** from the drop down list: Rotating Machine, Hydro or Other.

Note: You will be asked to supply the kW.

 Select the Generation Phase from either Single or Three, then enter the Generating Unit (GU) Nameplate rating in kW. Click Save to add the information.

Exis	ting Connectio	n Above 100 A	Reference Code : 0013095			
	Location	Applicant	Service Selection	Load Details	Embedded Generation	Summary and Payment
	Complete					

Separation + Embedded Generation

Su	immary						
Ρ	Premises	Storage kW	Other Power kW	Generation kW	Inverter kW (A+ B + C) = Total	Generation kW (non- inverter)	Generation Total kW
U	Jsage: Residential Type: Unit Unit/Shop: 7	100	0	0	A: 100 + B: 0 + C: 0 = 100	100	200
т	otal	100	0	0	A: 100 + B: 0 + C: 0 = 100	100	200

*Single Line Diagram	• Browse File
*Control/protection settings and schematic diagrams	⊛ Browse File 2
My installation is part of a multi-tenanted premises or embedded network that has existing inverter connected Generation installed. ④ *Total existing inverter connected generation kW	● Yes ○ No 3

- 1. Attach the Single Line Diagram.
- Attach the Control / Protection Settings and Schematic Diagrams. Refer to NS194 for parallel generation requirements.
- Select Yes if your application is multi-tenanted or embedded network. Enter the Total existing inverter connected generation kW.

<u>Note</u>: Examples of multi-tenanted premises or imbedded networks may include apartment blocks, retirement village, shopping centres etc.



Embedded Generation Declaration Separation + Alter Existing Connections

Existing Connection Above 100 AMP Reference Code : 00	013095	ō
Location Applicant Service Selection Load Details Embedded Generation Summary and Payment		
Complete		
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.		6
*The installer and equipment have current approval from the Australian Clean Energy Council (CEC).		8
*Proposed inverter(s) complies with the voltage rise requirements of NSW Service and Installation Rules		8
*Proposed inverter(s) have Volt-VAR and Volt-Watt response modes enabled.		8
*In preparing this application I have considered the requirements of NS194 Connection of Embedded Generators		8
*In preparing this application I have considered the requirements of the Service and Installation Rules of NSW		8
*In preparing this application I have considered the requirements of the AS/NZS3000:2018 The Wiring Rules.		6
*In preparing this application I have considered the requirements of the AS/NZS4777 Grid connection of energy systems via inverters		8

Save & Share

1. Select the declaration for each item that:

Back

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:

Next

www.cleanenergycouncil.org.au/

- iii. Inverters comply voltage rise requirements: <u>https://energy.nsw.gov.au/government-and-</u> <u>regulation/legislative-and-regulatory-requirements/service-</u> <u>installation-rules</u>
 - Inverters have Volt-VAR and Volt-Watt response modes enabled: <u>https://energy.nsw.gov.au/government-and-</u> regulation/legislative-and-regulatory-requirements/serviceinstallation-rules
- v. You have considered the requirements for NS194 Connection of Embedded Generators: <u>https://www.ausgrid.com.au/ASPs-and-</u> <u>Contractors/Technical-documentation/Network-Standards</u>
- vi. 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/serviceinstallation-rules

- vii. You have considered the requirements of the AS/NZS3000:2018 Wiring Rules, more information can be found at: <u>https://www.saiglobal.com/online/</u>
- viii. You have considered the requirements of the AS/NZS4777 Grid Connection of energy systems via inverters: https://www.saiglobal.com/online/

Summary Separation + Alterations + Embedded Generation

Existing Connection Above 100 AMP		Refer	ence Code	: 0013095		
Separation + Embedded Generation				1		
LOCATION						1.
Retailer Agi Land Title Type Strata Street Number/RMB 39 Location Address Gardinia Street, Narwee, 2209 Land Zoning Urban			[2 [Edit]		2.
APPLICANT	LOAD DETAILS					
Applicant Type Retail Customer Full Name Miss Ima Modifying Email Address Modify@gmail Street Number/RMB 39 Applicant Address Gardinia Street Narwee 2209 Phone Number 0412123456	LOAD DETAILS FOR NEW PREMISES Premises Usage: Residential Type: Unit Unit/Shop: 7 Number Of Premises: 1 Proposed Point Of Common Coupling Pole Proposed Asset Identifier Unknown Proposed Connection Point Front Of Premises Proposed Service Length Greater Than 50 Metres	No. of Phases	Phase A	Phase B	Phase C	Controlled Load
	No Proposed Service Type Overhead Service Voltage Low Voltage 230/400v Service Size 100 Amps Are You Altering The Existing Premises? No					
	EMBEDDED GENERATION					
	USAGE: RESIDENTIAL TYPE: UNIT UNI	T/SHOP: 7				
Ausgrid Better Together	How Do You Intend To Operate Your Embedded Gen Parallel And Stand By The System Has Been Designed As A Stand-By Gene			nd Nsw Servic	e And Installa	tion Rules

Review your application.

EG

New

2 [Edit]

Phases

You will have the option to edit information from this summary page.



This summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.

Summary – Expedited Connection Separation + Alter Existing Connection + Embedded Generation

EXPEDITED CONNECTION

Do you want to expedite your connection offer for all premises?	Yes 🔿 No	1
You can download the Basic Connection Services Offer - up to 100 Amps for yo	our records here.	
* Basic connection services - 100 Amps connections (Download here)	* Basic connection services - over 100 Amps connections (Download here)	□2
* 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		

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.

Expediting your connection offer

 Select YES to expedite your connection. <u>Note</u>: By selecting 'Yes', and requesting an expedited connection offer, the connection application will be processed more efficiently because; if Ausgrid agrees that the offer is right for your proposed connection, there is no need for the offer to be sent to you, signed and returned to Ausgrid.



<u>Note:</u> If you select 'No' Ausgrid will send you an offer that meets your supply requirements.

2. Select your preferred Connection Offer.

<u>Note</u>: Additional information about Connection Contracts can be found here:

https://www.ausgrid.com.au/Connections/Connection-Contracts#.WvvYQNhIJD8



You can only select one offer.





Declaration Separation + Alterations + Embedded Generation

DECLARATION	
	1
Applicant Name Miss Ima Modifying Application Date 31-May-2019 Price Description	Price Including GST
Total Price	AUD \$ AUD \$ AUD \$
Terms and Conditions:	

In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once submitted the fee charged is consumed. Ausgrid will aim to provide you with a written response within 10 business days. If additional work and/or fees are required, we will contact you to advise prior to providing the response.

Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer and agree that if the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives the application. Where this application is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the authority of that person to make this application of their behalf, including where applicable, making a request for expedition of the connection application.

*I acknowledge the terms & conditions.



- Review your **Declaration** that you understand the Total Price to be paid and the Terms and Conditions.
- 2. By selecting this box you **acknowledge** the terms and conditions.
- 3. Click **Pay** to move to the payment screen or Save & Share your application.

Note: You can **Save & Share** you application. Use the **Save & Share** function to email your application form to another person for payment and submission.



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



2

This declaration summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.

yment Confirmation						
you want to proceed to	payment for	the amount : A	UD	Pay		
		Or				
nare application for pay	ment	mail Address	i	Shar	e	
		Ļ				
_						
BPOINT			Supported by the CommonwealthBa	irk 🔶		
B P O I N T [*] Receivables Solution Make a BPOINT Payment				ink 🔶		
Receivables Solution	1261338 (Auss	grid - Ausgrid)		ink 🔶		B P C Receivab
Receivables Solution Make a BPOINT Payment	1261338 (Aus 0011659	grid - Ausgrid)		ink 🔶		
Receivables Solution Make a BPOINT Payment Biller Code:		grid - Ausgrid)		nk 🔶		
Receivables Solution Make a BPOINT Payment Biller Code: Ref#:				nk 🔶		Receivab You h Biller Ref#:
Receivables Solution Make a BPOINT Payment Biller Code: Ref#: Amount (AUD):	0011659			ınk 🔶		You h Biller Ref#: Paym Please
Receivables Solution Make a BPOINT Payment Biller Code: Ref#: Amount (AUD):	0011659			nk 🔶		You h Biller Ref#: Paym

USGRID Together

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 - Amalgamation

Existing Connection Above 100 A	MP			Reference Code : 0013095
Location Applicant Se	ervice Selection Load Deta	ils Summary and Payment	Comple	ete
Services				
What type of service are	you seeking? 2 Amalgamation	3 Alter Existing Connection		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.

Save & Share



Back

You can Save & Share you application. Use the Save & Share function to email your application form to another person or yourself.



The service you chose 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. 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 Ausgrid's network (even if only momentarily). Examples of embedded generation includes:

- Solar PV
- Wind turbine Batteries

- Gas

- Diesel
- Co and Tri-generation

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

- **1. Separation**. Select this option if you wish to divide your current electrical metering to two or more premises.
- 2. Amalgamation. Select this option if you wish to combine two or more premises.
- 3. Alter Existing Connection. Select this option if you already have a connection with Ausgrid and you wish to:
 - i. Alter the Maximum Capacity
 - ii. Alter the Consumer Mains
 - iii. Alter the Switchboard
 - iv. Alter the Connection Points
 - v. Alter an Existing Embedded Generation or Storage Systems
 - vi. Connect a New Embedded Generation or Storage Systems
 - vii. Alter, install or remove a controlled load
 - viii. Alter the Number of Phases
 - ix. Install or replace 'A' pole (Private)
 - x. Alter a Point of Common Coupling
 - xi. Disconnection / Reconnection

Amalgamation – Load Details

	the term three been		
MI	Meter Number		
roperty Type	Floor Number	Unit/Shop Number	8
Note: The tota	al number of Premises to be disconnected is th	e + Add Ne	ew
actual number	r of NMIs that are being permanently disconned	cted.	
Number of Premises to be di	isconnected		
	isconnected		
Number of Premises to be di	isconnected es that will remain connected - Gardinia Street, Narwee, 2209		
Number of Premises to be di	es that will remain connected - Gardinia Street, Narwee, 2209		
Number of Premises to be di		*Premises Usage	
Number of Premises to be di rovide details for the premise	es that will remain connected - Gardinia Street, Narwee, 2209	*Unit/Shop Number	
Number of Premises to be di	es that will remain connected - Gardinia Street, Narwee, 2209 Meter Number	3	
Number of Premises to be di rovide details for the premise NMI	es that will remain connected - Gardinia Street, Narwee, 2209 Meter Number Floor Number	3 *Unit/Shop Number	
Number of Premises to be di rovide details for the premise NMI	es that will remain connected - Gardinia Street, Narwee, 2209 Meter Number Floor Number X	*Unit/Shop Number 7	Yes (

This section requires you to provide details for the premises that is being permanently **disconnected**.



5.

6.

Permanent Disconnection requests must be located at the same street address ie U1 1 Smith, U2 1 Smith

- Enter the National Meter Identifier (NMI) and a Meter Number for the premises to be disconnected.
 Note: The NMI can be found on the electricity bill.
- Select the Property Type from the drop down menu for example: House, Unit, Shop etc. Where possible add additional property information such as Floor Number and Unit/Shop Number. The unit/shop number provided here is for the individual premises. A separate line item is required for each unit/shop connection. Note: Select + Add New for additional Unit / Shop Connections.

This section requires you to provide details for the premises that will **remain connected**.

- If you have a National Meter Identifier (NMI) and a Meter Number for the premises which will remain connected.
- Select the Premises Usage details from the drop down menu, for example: Residential, Commercial or Industrial.
 - Select the **Property Type** from the drop down menu for example: House, Unit, Shop etc. Where possible add additional property information such as **Floor Number** and **Unit/Shop Number**.
 - Are you **altering the existing premises**, this includes altering the maximum demand at the existing premises.

- If **No**, add additional comments and/or attachments then select next to proceed with the application. (Go to summary on next page).

- If Yes. (Go to Alteration existing connection on page 36).

Amalgamation with No Alterations – Declaration

a Modifier tion Date				
the Date -2019 and Conditions: In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once submitted the fee charged is consumed, avise prior to providing the response. Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection the application, where this application is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the application. In the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives the application, where this application of their behalf, including where applicable, making a request for expedition of the connection application. It is conditions. Back Save Share Download PDF Submit Customer Sauce Share Customer Sauce Sa	Applicant Name			
-2019 In conditions: In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once submitted the fee charged is consumed. Augrid will aim to provide you with a written response within 10 business days. If additional work and/or fees are required, we will contact you to avise prior to providing the response. There this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer and agree that if the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives authority of that person to make this application of their behalt, including where applicable, making a request for expedition of the connection application. Note the terms & conditions. Back Save & Share Download PDF Submit Control PDF Control Control PDF Contro	Miss Ima Modifier			
In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once submitted the fee charged is consumed, aview prior to providing the response. Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer and agree that if the connection is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the application. Where this application is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the application. Where this application of their behalf, including where applicable, making a request for expedition of the connection application. *I acknowledge the terms & conditions. Back Save & Share Download PDF Submit	Application Date			
In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once submitted the fee charged is consumed, advise prior to providing the response. Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer and agree that if the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid or the date that Ausgrid or the date that a substride the application. Where this application is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the application. Where this application of their behalf, including where applicable, making a request for expedition of the connection application. *I acknowledge the terms & conditions. Back Save & Share Download PDF Submit	06-Jun-2019			
Ausgrid will aim to provide you with a written response within 10 business days. If additional work and/or fees are required, we will contact you to advise prior to providing the response. Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection of the and agree that if the connection is sepadited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives the application. Where this application is being methods of their behalf of a retail customer real estate developer, I declare that have obtained the authority of that person to make this application of their behalf, including where applicable, making a request for expedition of the connection application. *I acknowledge the terms & conditions. Back Save & Share Download PDF Submit				
offer and agree that if the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives the application. Where this application is being made on behalf of a retail customer or real estate developer, i declare that i have obtained the authority of that person to make this application of their behalf, including where applicable, making a request for expedition of the connection application. *I acknowledge the terms & conditions. Back Save & Share Download PDF Submit belofully A copy of your application can be downloaded in PDF form	Ausgrid will aim to provide you v	with a written response within 10 business da		
authority of that person to make this application of their behalf, including where applicable, making a request for expedition of the connection application. *I acknowledge the terms & conditions. Back Save & Share Download PDF Submit belofulling A copy of your application can be downloaded in PDF form	offer and agree that if the connec	ction is expedited that a contract based on th	hat offer will be formed with Ausgrid on the o	date that Ausgrid receives
*I acknowledge the terms & conditions. Back Save & Share Download PDF Submit belofulior A copy of your application can be downloaded in PDF form				
Back Save & Share Download PDF Submit	application.			
Back Save & Share Download PDF Submit				
Back Save & Share Download PDF Submit				
Back Save & Share Download PDF Submit				
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Back Save & Share Download PDF Submit		litions		
helpful P A copy of your application can be downloaded in PDF for	acknowledge the terms & cond	itions.		
helpful P A copy of your application can be downloaded in PDF for				
helpful P A copy of your application can be downloaded in PDF for				
helpful A copy of your application can be downloaded in PDF forr for your records.				
helpful A copy of your application can be downloaded in PDF form for your records.	Back	Save & Share	Download PDF	Submit
helpful A copy of your application can be downloaded in PDF form for your records.	Back	Save & Share	Download PDF	Submit
tips for your records.	Back			
ups	Back		A copy of your application can	
	Back		A copy of your application can	
	Back		A copy of your application can	
	Back		A copy of your application can	

Review your **Declaration** that you understand the Terms and Conditions.

35

- 2. By selecting this box you **acknowledge** the terms and conditions.
- Click Submit to move to the payment screen or Save & Share your application.

Note: You can Save & Share you application. Use the Save & Share function to email your application form to another person for review and submission.



Amalgamation + Alter Existing Connection Load Details

steps.

Select a minimum of one option from either of the two tables below.



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



If you Alter an Existing or Connect a New Embedded Generation / Storage System, you will be required to complete the steps on page 42.

Yes

If you selected yes to Alterations on step 6, page

34, you will be required to complete the following

This section captures the information which is being altered on the existing premises. This includes altering the maximum demand at the existing premises. You can select as many options you need to, which relate to the application.

1. Select all applicable **Installation and Service Changes** to be assessed with the application.

Ô

<u>Note</u>: Each option selected will open additional fields to be completed which relate to the changes to the existing premises.

For more information on alterations a detailed step by step guide for Installation and Service Changes can be found on page 65 in this guide.

2. Will you be installing equipment at the premises resulting in **non linear or fluctuating loads**.

- If **No**, and will **not** alter or connect Embedded Generation proceed to entering dates when premise construction will commence and when the premises will be electrified. (Go to page 39)

<u>Note:</u> if you are **not** installing equipment at the premises resulting in **non linear or fluctuating loads** and you selected **yes** to alter or connect Embedded Generation. (Go to page 39).

- If **Yes**, continue with questions relating to Distorting and Fluctuating loads and special equipment. (Go to page 37).


Amalgamation + Alter Existing Connection Load Details

Existing Connection Above 100 AMP	Reference Code : 0013095		If you selected NO to non I	inear / fluctuating loads go to
Location Applicant Service Selection Load Details Summary and Payment Complete		40	page 11	
\star I will be installing equipment at the premises that may result in non linear / fluctuating loads $oldsymbol{0}$	🔘 Yes 🗌 K		you be installing equipment at ar or fluctuating loads.	the premises resulting in non
Distorting Loads			No , proceed to entering dates w	hen premise construction will
*1 Phase capacitor-filtered or conventional rectifier	2		nmence and when the premises Yes , continue with questions re	will be electrified. ating to non linear and fluctuating
*3 Phase 6-pulse capacitor filtered rectifier / VSD		load	ls.	
*3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD		2. Sele	ect the applicable Distorting Lo	
*3 Phase 6 pulse inductor filtered rectifier / VSD				ection is made you will be required b, Design Standard and Mitigation
*3 Phase 12 pulse rectifier / VSD			Measures.	
AC voltage regulator	*kVA/kW *Amp *Design Standa	rd	*Mitigation Measure	15
*Variable Voltage Variable Frequency (VVVF) drive				
*Switch mode power supplies		3. Sele	ect the applicable Fluctuating I	
Power Factor Correction		infor	Note: Depending which sel	ection is made additional
*Other			• •	e kVA/kW, Amp, Design Standard
		-	gation Measures, Starting Curre	ent, Method of Starting, Hours of
Fluctuating Loads (including Cranes)		Spe	cification.	
*Rating of the largest motor	3 *kVA/kW *Amp *Design St	andard	*Mitigation Measures	*Starting Current
*Rating of the second largest motor	*Method o	Starting	*Hours of Operation	*Number of Operation.Hr
*Rating of other frequently fluctuating loads	*Equipmer	t Specification		
*other				O Browse File

Amalgamation + Alter Existing Connection Load Details

Existing Connection Above 100 AMP	Reference Code : 0013095			
Location Applicant Service Selection Load Details Summary and Paym	ment Complete			
Special Equipment		1. Select the a	oplicable Special Equipme i	nt.
*X-Ray or Magnetic Resonance Imaging Devices			: Depending which selection	n is made additional
*Welding plant rating			mation will be required, such	as the kVA/kW, Amp,
Arc furnaces rating			dard Mitigation Measures, S tarting, Hours of Operation,	
*Unbalanced loads (e.g PH-N / PH-PH loads)		Operation.H	r and attaching Equipment S	Specification.
tother		2. The Total Ap	oparent Power Ratings (KVA) will be shown.
TOTAL APPARENT POWER RATING (KVA)	*kVA/kW *Amp *Design Stepdard	*Mitigation Measures	*Starting Current	
	*Method of Starting	*Hours of Operation	*Number of Operation.Hr	
	*Equipment Specification			
			🖲 Browse File	



Amalgamation + Alter Existing Connection Load Details

=	When do you wish to electrify the premises?	1	=
*Ausgrid has provided a Certified Design Number(CDN) for a Network Augmentat *Certified Design Number (CDN)	ion Project associated with the premises	2	Ves O No
*ASP 1 has been appointed *ASP Licence Number	*ASP 1 Name	3	Yes No
*Do you have development consent (DA) for your proposal? *DA Reference Number *Attach copy of approved DA		4	 Yes No No Browse File
			a
*Do you wish to underground / relocate electricity assets in conjunction with th *Underground / relocation details	s connection application?	5	Yes No
	s connection application?	5	Yes No
*Underground / relocation details	s connection application?	5	Yes No

- Provide the dates when construction of the premises connection assets will commence and when you wish to electrify the premises.
- 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).
- If an ASP1 has been appointed select 'Yes' and provide the ASP Licence Number and the ASP1 name. (If not select 'No', proceed to next question).
- 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 select 'No', proceed to next question).
- If the applicant wants to underground or relocate electricity assets in conjunction with this connection application then select 'Yes' and details must be provided. (If not select 'No', proceed to next question).
- 6. Add additional comments and/or attachments then click next to proceed with the application. (Go to the Summary Section on the

next page)



If you selected yes to Alter an Existing or Connect a New Embedded Generation / Storage System, you will be required to complete the steps on page 42.

Amalgamation + Alter Existing Connection Summary

Existing Connection Above 10		Refere	ence Code : 0013106			
Amalgamation						
 Amaigamation 			11	1 Deviews	ur engligation	
LOCATION			· · · · ·	1. Review yo	our application.	
Land Title Type Strata Street Number/RMB 39 Location Address Gardinia Street, Narwee, 2209 Land Zoning Urban Location Diagram File name Diagram.jpg	Ausgrid filename reference LocationAttachmentFilePath_1	Size 0.063 MB	2 [Edit]	 You will has summary p 	ave the option to edit information from this bage. This summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.	
APPLICANT	LOAD DETAILS			1		
Applicant Type Retail Customer Full Name Miss Ima Modifier Email Address modifier@gmail Street Number/RMB 39 Applicant Address Gardinia Street Narwee 2209 Phone Number	PREMISES THAT ARE BEING PERMANENTLY DISCONNECTO Premises Type: Unit Unit/Shop: 8 Number Of Premises: 1 LOAD DETAILS FOR REMAINING PREMISES Premises	ED NMI 4500000000	Meter Number 123456789	ar Number		
0412123456	Usage: Residential Type: Unit Unit/Shop: 7	Г	INSTALLATION CHANGE			
	Number Of Premises: 1 Are You Altering The Existing Premises? No		Installation Change Other Yes Installation Change Other Specify Other Change	he Premises That May Result In Non Lir	near / Fluctuating Loads	1
			Ausgrid Has Provided A Certified D No Asp 1 Has Been Appointed No Do You Have Development Consen		mentation Project Associated With The Premises	
Ausgrid	Better Together		No	ocate Electricity Assets In Conjunction	With This Connection Application?	2 [Edit]

Amalgamation + Alter Existing Connection Expedited Connection

EXPEDITED CONNECTION

Do you want to expedite your connection offer for all premises?	🖲 Yes 🚫 No	1
You can download the Basic Connection Services Offer - up to 100 Amps for y	your records here.	
* Basic connection services - 100 Amps connections (Download here)	* Basic connection services - over 100 Amps connections (Download here)	□2
* 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		



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.

Expediting your connection offer

Select YES to expedite your connection.
 <u>Note</u>: By selecting 'Yes', and requesting an expedited connection offer, the connection application will be processed more efficiently because; if Ausgrid agrees that the offer is right for your proposed connection, there is no need for the offer to be sent to you, signed and returned to Ausgrid.



<u>Note:</u> If you select 'No' Ausgrid will send you an offer that meets your supply requirements.

2. Select your preferred Connection Offer.

<u>Note</u>: Additional information about Connection Contracts can be found here:

https://www.ausgrid.com.au/Connections/Connection-Contracts#.WvvYQNhIJD8



You can only select one offer.



Amalgamation + Alter Existing Connection Embedded Generation

nstallation change	*Alter an Existing Embedded Generation / Storage System 🕑 0
Address: Gardinia Street, Narwee, 2209	
*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 AS301	and NSW service and installation rules Yes No
*Embedded Generation is connected via	◯ Inverter ◯ Non Inverter ◉ Inverter and Non-Inverter 3
Are you intending to Install or Remove PV Panels or Battery Storage to an <mark>Existing In</mark>	erter2 et Ves No
+ Existing Inverter + Inverter	Note: - Existing Inverter option only appears
Please add existing Inverter.	in the Alter Existing Connection form.
+ Existing Non-Inverter - Existing Non-Inverter + Non-Inverter	
Please add existing capacity.	
*Energy Source	_ 4
Inverter Details	
*Inverter Type Manufacturer Name	Model Number 5
· · · · · · · · · · · · · · · · · · ·	
*Inverter Phase Inverter Rating kW/kW per Phase	Phase A Phase B Phase C
helpful	Ve button to store your information
*Energy storage will be configured to generate when the network is off.	© Yes ○ No 6



If you selected to Alter an Existing or Connect a New Embedded Generation / Storage System, on page 36 you will be required to complete the following steps.

- 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.
- <u>Note:</u> By Selecting 'Standby' You will be asked to confirm your design is in accordance with AS3010 and NSW Service and Installation Rules.
- Select how the Embedded Generation will be connected, then select
 + Inverter to add, select Existing Inverter to remove an Inverter, select
 + Non-Inverter to add or Existing Non-Inverter remove a Non-inverter.
 Note: Existing inverter is a device already installed at the premises.
- 4. Select the Energy Source from the drop down list: PV only, Battery only, PV and Battery, Fuel Cell or Other.
- 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. Confirm if **energy storage** will be configured to generate when the network is off.

Amalgamation – Embedded Generation + Alter Existing Connection

New Inverter						
*Energy Source					•	1
Inverter Details						
*Inverter Type	•	Manufacturer Name		Model Number		2
*Inverter Phase		Inverter Rating kW/kW per Phase	Phase A	Phase B	Phase C	3
I	nelpful tips) Click the Save b	putton to store yo	our information	H Save	
*Energy storage will be configured	to generate when th	ne network is off.			🔵 Yes 🌘 No	4
New Generation Unit (GU) Detail	s					
*Generation Type	•	Manufacturer Name		Model Number		5
*Generation Phase	•	GU Nameplate Rating in kW	Phase A	Phase B	Phase C	6
	helpful tips	Click the Save	button to store y	our information	🛱 Cancel 🦂 Sav	e

- For a New Inverter select the Energy Source from the drop down list: PV only, Battery only, PV and Battery, Fuel Cell or Other.
- 2. Enter the **Inverter Details**, by selecting the **Inverter Type**; Grid Connect, Multiple Mode, Micro Inverters or Other.
- Select to Inverter Phase from Single or Three, specify the total generation in kW and complete the information relevant to the Inverter. Click Save to add the information.
- 4. Confirm if the **Energy Storage** will be configured to generate when the network is off.
- 5. For a **New Generation Unit** select the **Generation Type** from the drop down list: Rotating Machine, Hydro or Other.

Note: You will be asked to supply the kW.

 Select the Generation Phase from either Single or Three, then enter the Generating Unit (GU) Nameplate rating in Kw. Click Save to add the information.



Amalgamation + Alter Existing Connection Embedded Generation

Complete						
immary						
remises	Storage kW	Other Power kW	Generation kW	Inverter kW (A+ B + C) = Total	Generation kW (non- inverter)	Generation Total kW
Isage: Residential Type: Unit Unit/Shop: 7	100	0	0	A: 100 + B: 0 + C: 0 = 100	100	200
rotal	100	0	0	A: 100 + B: 0 + C: 0 = 100	100	200
	100	0	0	A: 100 + B: 0 + C: 0 = 100	100	
otal le Line Diagram trol/protection settings and schematic diagr		0	0	A: 100 + B: 0 + C: 0 = 100	100	200 Browse Fi Browse Fi

Reference Code : 0013095

- 1. Attach the Single Line Diagram.
- Attach the Control / Protection Settings and Schematic Diagrams. Refer to NS194 for parallel generation requirements.
- Select Yes if your application is multi-tenanted or embedded network. Enter the Total existing inverter connected generation kW.

<u>Note</u>: Examples of multi-tenanted premises or imbedded networks may include apartment blocks, retirement village, shopping centres etc.



Existing Connection Above 100 AMP

Amalgamation + Alter Existing Connection Embedded Generation

Existing Con	nection Above	100 AMP			Reference Code : (0013095
Location	Applicant	Service Selection	Load Details	Embedded Generation	Summary and Payment	
Complete						
Declaration						
	e system meets	each of the following cond	itions:			4
*I have	made efforts to i	, , , , , , , , , , , , , , , , , , ,	s with Embedded Ge	neration that share the netwo	k connection that this application pertains to,	6
The in	staller and equip	ment have current approva	al from the Australia	n Clean Energy Council (CEC).		0
Propos	sed inverter(s) co	mplies with the voltage ris	e requirements of N	SW Service and Installation Ru	les	Θ
Propos	sed inverter(s) ha	ve Volt-VAR and Volt-Watt	response modes ena	abled.		6
*In prep	paring this applic	ation I have considered the	e requirements of NS	6194 Connection of Embedded	Generators	6
*In prep	paring this applic	ation I have considered the	e requirements of th	e Service and Installation Rule	s of NSW	6
*In prep	paring this applic	ation I have considered the	e requirements of th	e AS/NZS3000:2018 The Wiring	Rules.	6
*In prep	paring this applic	ation I have considered the	e requirements of th	e AS/NZS4777 Grid connection	of energy systems via inverters	6

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

iv. Inverters have Volt-VAR and Volt-Watt response modes enabled: <u>https://energy.nsw.gov.au/government-and-</u> regulation/legislative-and-regulatory-requirements/serviceinstallation-rules

v. You have considered the requirements for NS194 Connection of Embedded Generators: <u>https://www.ausgrid.com.au/ASPs-and-</u> <u>Contractors/Technical-documentation/Network-Standards</u>

- vi. You have considered the requirements of the Service and Installation Rules of NSW: <u>https://energy.nsw.gov.au/government-and-</u> <u>regulation/legislative-and-regulatory-requirements/service-</u> <u>installation-rules</u>
- vii. You have considered the requirements of the AS/NZS3000:2018 Wiring Rules, more information can be found at: <u>https://www.saiglobal.com/online/</u>
- viii. You have considered the requirements of the AS/NZS4777 Grid Connection of energy systems via inverters: https://www.saiglobal.com/online/

Amalgamation + Alter Existing Connection + Embedded Generation Summary

Existing Connection Above 100 AMP	Refere	nce Code : 0013106	
✗ Amalgamation + Embedded Generation		1	1. Review your application.
-	lename reference Size ttachmentFilePath_1 0.063 MB	2	 You will have the option to edit information from this summary page. This summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.
APPLICANT Applicant Type Retail Customer Full Name Miss Ima Modifier Email Address modifier@gmail Street Number/RMB 39 Applicant Address Gardinia Street Narwee 2209 Phone Number O412123456	LOAD DETAILS PREMISES THAT ARE BEING PERMANENTLY DISCONNECTED Premises NMI Type: Shop Unit/Shop: 8 400 Number Of Premises: 1 1 LOAD DETAILS FOR REMAINING PREMISES Premises Premises Usage: Commercial Type: Shop Unit/Shop: 7 Number Of Premises: 1 1	[Edit] Meter Nu 0000002 NMI 4000000003	Imber EMBEDDED GENERATION USAGE: COMMERCIAL TYPE: SHOP UNIT/SHOP: 7 How Do You Intend To Operate Your Embedded Generation With The Ausgrid Network? Parallel
Ausgrid Better	Are You Altering The Existing Premises? Yes INSTALLATION CHANGE Atter An Existing Embedded Generation / Storage System Yes I Will Be installing Equipment At The Premises That May Result In Non Linear / Fl No Ausgrid Has Provided A Certified Design Number(Cdn) For A Network Augmentation No Ausgrid Has Been Appointed No Do You Have Development Consent (Da) For Your Proposal? No Do You Wish To Underground / Relocate Electricity Assets In Conjunction With The No	on Project Associated With The Premises	Embedded Generation Is Connected Via inverter Are You Intending To Install Or Remove Pv Panels Or Battery Storage To An Existing Inverter? No INVERTERS ExiSTING INVERTER Energy Source Total Generation Kw Inverter Type [Edit]

Amalgamation + Alter Existing Connection + Embedded Generation Expedited Connection

EXPEDITED CONNECTION

Do you want to expedite your connection offer for all premises?	• Yes No
You can download the Basic Connection Services Offer - up to 100 Amps for you	r records here.
* Basic connection services - 100 Amps connections (Download here)	* Basic connection services - over 100 Amps connections (Download DAmps connections (Damps connection
* 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	



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.

Expediting your connection offer

 Select YES to expedite your connection. <u>Note</u>: By selecting 'Yes', and requesting an expedited connection offer, the connection application will be processed more efficiently because; if Ausgrid agrees that the offer is right for your proposed connection, there is no need for the offer to be sent to you, signed and returned to Ausgrid.



<u>Note:</u> If you select 'No' Ausgrid will send you an offer that meets your supply requirements.

2. Select your preferred Connection Offer.

<u>Note</u>: Additional information about Connection Contracts can be found here:

https://www.ausgrid.com.au/Connections/Connection-Contracts#.WvvYQNhIJD8



You can only select one offer.



Amalgamation – Declaration

DECLARATION Applicant Name Miss Ima Modifier Application Date 06-Jun-2019 Price Decription Above 100 Amps Connection Offer - Technical Assessment required 1 * AUD § Total Price Terms and Conditions Terms and Conditions In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once submitted the fee charged is consumed. Ausgrid will aim to provide you with a written response within 10 business days. If additional work and/or fees are required, we will contact you to advise prior to providing the response. Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection the application. Where this application is being made on behalf of a retail customer or real estate developer, I declare that Ausgrid reviewes the application. Where this application of their behalf, including where applicable, making a request for expedition of the connection application. Image: Placknowledge the terms & conditions.		1
Miss Ima Modifier Application Date 06-Jun-2019 Price Description Above 100 Amps Connection Offer - Technical Assessment required 1 x Total Price Terms and Conditions Terms and Conditions In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once submitted the fee charged is consumed. Augrid will aim to provide you with a written response within 10 business days. If additional work and/or fees are required, we will contact you to advise prior to providing the response. Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer and agrie e that if the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives the application. Where this application is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the authority of that person to make this application of their behalf, including where applicable, making a request for expedition of the connection application.	DECLARATION	
Ausgrid will aim to provide you with a written response within 10 business days. If additional work and/or fees are required, we will contact you to advise prior to providing the response. Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer and agree that if the connection is expedited that a contract based on that offer will be formed with Ausgrid on the date that Ausgrid receives the application. Where this application is being made on behalf of a retail customer or real estate developer, I declare that I have obtained the authority of that person to make this application of their behalf, including where applicable, making a request for expedition of the connection application.	Miss Ima Modifier Application Date 06-Jun-2019 Price Description Above 100 Amps Connection Offer - Technical Assessment required 1 x Total Price	AUD \$
*I acknowledge the terms & conditions.	Ausgrid will aim to provide you with a written response within 10 business days. If additional work and/or fees are n advise prior to providing the response. Where this application requests an expedited connection, I declare that I have read and understood the terms and offer and agree that if the connection is expedited that a contract based on that offer will be formed with Ausgrid or the application. Where this application is being made on behalf of a retail customer or real estate developer, I de authority of that person to make this application of their behalf, including where applicable, making a request fo	equired, we will contact you to d conditions of the connection n the date that Ausgrid receives eclare that I have obtained the
	*I acknowledge the terms & conditions.	2

- Review your **Declaration** that you understand the Total Price to be paid and the Terms and Conditions.
- 2. By selecting this box you **acknowledge** the terms and conditions.
- 3. Click **Pay** to move to the payment screen or **Save & Share** your application.

Note: You can Save & Share you application. Use the Save & Share function to email your application form to another person for payment and submission.



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



This declaration summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.



Amalgamation - Payment

Payment Confirmation	×
Do you want to proceed to p	payment for the amount : AUD Pay
	Or
Share application for paym	ent Email Address i Share
	Supported by the
BPOINT Receivables Solution	CommonwealthBank
Make a BPOINT Payment	
Biller Code:	1261338 (Ausgrid - Ausgrid) 0011659
Ref#:	0011659
Amount (AUD):	
Select your payment option:	Masercere VISA

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.

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



Service Selection – Alter Existing Connection

Existing Connection Above 100	AMP			Reference Code : 0013
Location Applicant	Service Selection Load Detai	ils Summary and Payment	Corr	nplete
Services				
What type of service are	e you seeking?	3		To provide some of the answers to these questions
Separation	Amalgamation	Alter Existing	i	you may need to consult an electrical contractor or ASP who may need to attend the
		Connection		site.

Save & Share



Back

You can Save & Share you application. Use the Save & Share function to email your application form to another person or yourself.



The service you chose 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. 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 Ausgrid's network (even if only momentarily). Examples of embedded generation includes:

- Solar PV
 - Wind turbine Batteries

- Gas

- Diesel
- Co and Tri-generation

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

- 1. **Separation**. Select this option if you wish to divide your current electrical metering to two or more premises.
- 2. Amalgamation. Select this option if you wish to combine two or more premises.
- 3. Alter Existing Connection. Select this option if you already have a connection with Ausgrid and you wish to:
 - i. Alter the Maximum Capacity
 - ii. Alter the Consumer Mains
 - iii. Alter the Switchboard
 - iv. Alter the Connection Points
 - v. Alter an Existing Embedded Generation or Storage Systems
 - vi. Connect a New Embedded Generation or Storage Systems
 - vii. Alter, install or remove a controlled load
 - viii. Alter the Number of Phases
 - ix. Install or replace 'A' pole (Private)
 - x. Alter a Point of Common Coupling
 - xi. Disconnection / Reconnection

50

Existing Connection Above 100 AMP	Reference Code : 0013
Location Applicant Service Selection Load Detail	s Summary and Payment Complete
✓ Alter Existing Connection	
Select a minimum of one option from either of the two tables below.	
Installation change	Service change
Alter Maximum Capacity	Alter an Existing Service to a Temporary Builders Supply (TBS)
Alter Consumer Mains	Alter an Existing Temporary Builders Supply (TBS) to a permanent
Alter Switchboard	Alter Number of Phases
Alter Connection Point	Install or replace 'A' pole (private)
Alter an Existing Embedded Generation / Storage System	

Alter Point of Common Coupling

Disconnection / Reconnection

Emergency Repairs

Other

3095

This section captures the information which is being altered on the existing premises. This includes altering the maximum demand at the existing premises. You can select as many options you need which relate to the application.

1. Select all applicable Installation and Service Changes to be assessed with the application.

Note: Each option selected will open additional fields to be completed which relate to the changes to the existing premises.



Detailed alteration step by step guide for Installation and Service Changes please refer to page 65 in this guide.



Install, Alter or Remove Controlled Load

Connect a New Embedded Generation / Storage System

Emergency Repairs

Other

Existing Connection Above 100 AMP	Reference Code : 0013095	a) If you ticked NO to non linear / fluctuating loads go to
Location Applicant Service Selection Load Details Summary and Payment Complete			page 54
\star I will be installing equipment at the premises that may result in non linear / fluctuating loads $oldsymbol{0}$	🔘 Yes 🔵 f	1.	Will you be installing equipment at the premises resulting in non linear or fluctuating loads.
Distorting Loads			- If No , proceed to entering dates when premise construction will
*1 Phase capacitor-filtered or conventional rectifier		2	commence and when the premises will be electrified.If Yes, continue with questions relating to non linear and fluctuating
*3 Phase 6-pulse capacitor filtered rectifier / VSD			loads.
*3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD		2.	Select the applicable Distorting Loads . <u>Note:</u> Depending which selection is made you will be required
*3 Phase 6 pulse inductor filtered rectifier / VSD			to specify the kVA/kW, Amp, Design Standard and Mitigation
*3 Phase 12 pulse rectifier / VSD	,	┛	Measures.
AC voltage regulator	*kVA/kW *Amp *Design St	andard	*Mitigation Measures
*Variable Voltage Variable Frequency (VVVF) drive	<u> </u>	т-	
*Switch mode power supplies		3.	Select the applicable Fluctuating Loads . Note: Depending which selection is made additional
*Power Factor Correction			information will be required, such as the kVA/kW, Amp,
C *Other			Design Standard Mitigation Measures, Starting Current, Method of Starting, Hours of Operation, Number of Operation.Hr and attaching
Fluctuating Loads (including Cranes)			Equipment Specification.
· · · · · · · · · · · · · · · · · · ·	3	1_	
*Rating of the largest motor		Standard	*Mitigation Measures *Starting Current
*Rating of the second largest motor	*Metho	d of Starting	g *Hours of Operation *Number of Operation.Hr
*Rating of other frequently fluctuating loads	*Equip	ment Specific	© Browse File
*Other			

Existing Connection Above 100 AMP	Reference Code : 00130	095		
Location Applicant Service Selection Load Details Summary and Payment	Complete			
Special Equipment		1. Select the	applicable Special Equipme r	nt.
*X-Ray or Magnetic Resonance Imaging Devices		1 <u>No</u>	te: Depending which selection	n is made additional
*Welding plant rating			ormation will be required, such Indard Mitigation Measures, S	
Arc furnaces rating			Starting, Hours of Operation,	-
*Unbalanced loads (e.g PH-N / PH-PH loads)			Hr and attaching Equipment S	
tother		2. The Total A	Apparent Power Ratings (KVA) will be shown.
TOTAL APPARENT POWER RATING (KVA)	W *Amp *Design Standard	*Mitigation Measures	*Starting Current	
	*Method of Starting	*Hours of Operation	*Number of Operation.Hr	
	*Equipment Specificati	ion		
			🕑 Browse File	



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 Augmentat *Certified Design Number (CDN)	ion Project associated with the premises	2	Yes O No
*ASP 1 has been appointed *ASP Licence Number	*ASP 1 Name	3	Yes No
*Do you have development consent (DA) for your proposal? *DA Reference Number *Attach copy of approved DA		4	Yes No No Browse File
*Do you wish to underground / relocate electricity assets in conjunction with th *Underground / relocation details	is connection application?	5	• Yes O No
	is connection application?	5	Ves O No

- Provide the dates when construction of the premises connection assets will commence and when you wish to electrify the premises.
- 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).
- If an ASP1 has been appointed select 'Yes' and provide the ASP Licence Number and the ASP1 name. (If not select 'No', proceed to next question).
- 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 select 'No', proceed to next question).
- If the applicant wants to underground or relocate electricity assets in conjunction with this connection application then select 'Yes' and details must be provided. (If not select 'No', proceed to next question).
- 6. Add additional comments and/or attachments then click next to proceed with the application. (Go to the Summary Section on the

next page)



If you selected yes to Alter an Existing or Connect a New Embedded Generation / Storage System, you will be required to complete the steps on page 57.

Alter Existing Connection Summary

Existing Connection Above 10	0 AMP	Refer	rence Code : 0013106			
F Amalgamation			1	1. Review yo	nur application	
LOCATION			· · · · ·	I. Keview yo		
Land Title Type Strata Street Number/RMB 39 Location Address Gardinia Street, Narwee, 2209 Land Zoning Urban Location Diagram	Ausgrid filename reference LocationAttachmentFilePath_1	Size 0.063 MB	2 [Edit]	 You will ha summary p 	ave the option to edit information from this page. This summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.	
APPLICANT	LOAD DETAILS			1		
Applicant Type Retail Customer Full Name Miss Ima Modifier Email Address modifier@gmail Street Number/RMB 39 Applicant Address Gardinia Street Narwee 2209 Phone Number	PREMISES THAT ARE BEING PERMANENTLY DISCONNED Premises Type: Unit Unit/Shop: 8 Number Of Premises: 1 LOAD DETAILS FOR REMAINING PREMISES Premises	CTED NMI 4500000000	Meter Number 123456789	ar Number		
0412123456	Usage: Residential Type: Unit Unit/Shop: 7	ſ	INSTALLATION CHANGE			
	Number Of Premises: 1 Are You Altering The Existing Premises? No		Installation Change Other Yes Installation Change Other Specify Other Change I Will Be Installing Equipment At T No	he Premises That May Result In Non Li	inear / Fluctuating Loads	1
			Ausgrid Has Provided A Certified D No Asp 1 Has Been Appointed No Do You Have Development Consen		mentation Project Associated With The Premises	
Ausgrid	3etter Fogether		No Do You Wish To Underground / Rel No	ocate Electricity Assets In Conjunction	n With This Connection Application?	2 [Edit]

Alter Existing Connection Expedited Connection

EXPEDITED CONNECTION

Do you want to expedite your connection offer for all premises?	Ves No	1
You can download the Basic Connection Services Offer - up to 100 Amps for y	your records here.	
* Basic connection services - 100 Amps connections (Download here)	* Basic connection services - over 100 Amps connections (Download here)	2
* Basic connection services - Micro EG connections (Download here)	* Standard connection services - Ausgrid augmentation (substation upgrade) (Download here)	ו
* 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)



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.

Expediting your connection offer

 Select YES to expedite your connection. <u>Note</u>: By selecting 'Yes', and requesting an expedited connection offer, the connection application will be processed more efficiently because; if Ausgrid agrees that the offer is right for your proposed connection, there is no need for the offer to be sent to you, signed and returned to Ausgrid.



<u>Note:</u> If you select 'No' Ausgrid will send you an offer that meets your supply requirements.

2. Select your preferred Connection Offer.

<u>Note</u>: Additional information about Connection Contracts can be found here:

https://www.ausgrid.com.au/Connections/Connection-Contracts#.WvvYQNhIJD8



You can only select one offer.



*Alter an Existing Embedded Generation / Storage System 🕑 0
1 Parallel 🔿 Stand By 🖲 Parallel and Stand By
0 and NSW service and installation rules Yes
◯ Inverter ◯ Non Inverter ● Inverter and Non-Inverter 3
verter2.0.Ves.
Note: - Existing Inverter option only appears
in the Alter Existing Connection form.
. 4
•
Model Number 5
Phase A Phase B Phase C
K Cancel H Save
ave button to store your information
© Yes ○ No 6

If you selected to Alter an Existing or Connect a New Embedded Generation / Storage System, on page 51 you will be required to complete the following steps.

- 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. <u>Note:</u> By Selecting 'Standby' You will be asked to confirm your design is in accordance with AS3010 and NSW Service and Installation Rules.
- Select how the Embedded Generation will be connected, then select
 + Inverter to add, select Existing Inverter to remove an Inverter, select
 + Non-Inverter to add or Existing Non-Inverter remove a Non-inverter.
 Note: Existing inverter is a device already installed at the premises.
- 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. Confirm if **energy storage** will be configured to generate when the network is off.

New Inverter						
*Energy Source					~	1
Inverter Details						
*Inverter Type	•	Manufacturer Name		Model Number		2
*Inverter Phase	•	Inverter Rating kW/kW per Phase	Phase A	Phase B	Phase C	3
ł	nelpful tips) Click the Save b	putton to store you	r information	R Cancel R Save	
*Energy storage will be configured	to generate when th	ne network is off.			🔿 Yes 🌒 Na	4
New Generation Unit (GU) Details	;					
*Generation Type	-	Manufacturer Name		Model Number		5
*Generation Phase	-	GU Nameplate Rating in kW	Phase A	Phase B	Phase C	6
	helpful tips	Click the Save	button to store you	ur information	R Cancel 🦄 Save	

- For a New Inverter select the Energy Source from the drop down list: PV only, Battery only, PV and Battery, Fuel Cell or Other.
- 2. Enter the **Inverter Details**, by selecting the **Inverter Type**; Grid Connect, Multiple Mode, Micro Inverters or Other.
- Select to Inverter Phase from Single or Three, specify the total generation in kW and complete the information relevant to the Inverter. Click Save to add the information.
- 4. Confirm if the **Energy Storage** will be configured to generate when the network is off.
- 5. For a **New Generation Unit** select the **Generation Type** from the drop down list: Rotating Machine, Hydro or Other.

Note: You will be asked to supply the kW.

 Select the Generation Phase from either Single or Three, then enter the Generating Unit (GU) Nameplate rating in Kw. Click Save to add the information.



Existing Connection Above 100 AMP

Embedded Generation Location Applicant Service Selection Load Details Summary and Payment Complete Summary Storage Premises Other Generation Inverter kW Generation Generation kW Power kW kW (A+ B + C) = Total kW (non- inverter) Total kW Usage: Residential Type: Unit Unit/Shop: 7 A: 100 + B: 0 + C: 0 = 100 100 0 0 100 200 A: 100 + B: 0 + C: 0 = 100 Total 100 0 0 100 200 *Single Line Diagram Browse File.. *Control/protection settings and schematic diagrams Browse File... 3 My installation is part of a multi-tenanted premises or embedded network that has existing inverter connected 🔵 Yes 🔵 No Generation installed. *Total existing inverter connected generation kW

Reference Code : 0013095

- 1. Attach the Single Line Diagram.
- Attach the Control / Protection Settings and Schematic Diagrams. Refer to NS194 for parallel generation requirements.
- Select Yes if your application is multi-tenanted or embedded network. Enter the Total existing inverter connected generation kW.

<u>Note</u>: Examples of multi-tenanted premises or imbedded networks may include apartment blocks, retirement village, shopping centres etc.



xisting Connection Above 100 AMP				Reference Code : 0013095		
Location	Applicant	Service Selection	Load Details	Embedded Generation	Summary and Payment	
Complete						
laration						
nfirm that the s	system meets ea	ch of the following condition	ons:			4
		entify any other premises w where relevant) within this a		ration that share the network	connection that this application pertains to,	θ
The insta	ller and equipme	ent have current approval f	rom the Australian C	Clean Energy Council (CEC).		θ
) *Proposed	l inverter(s) comp	olies with the voltage rise r	equirements of NSW	/ Service and Installation Rules	5	9
*Proposed	l inverter(s) have	Volt-VAR and Volt-Watt res	sponse modes enable	ed.		0
) *In prepar	ing this applicati	ion I have considered the re	equirements of NS19	4 Connection of Embedded Ge	enerators	0
) *In prepar	ing this applicati	ion I have considered the re	equirements of the S	Gervice and Installation Rules o	of NSW	9
) *In prepar	ing this applicati	ion I have considered the re	equirements of the A	S/NZS3000:2018 The Wiring R	ules.	0
_					f energy systems via inverters	6

- 1. Select 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: <u>https://energy.nsw.gov.au/government-and-</u> <u>regulation/legislative-and-regulatory-requirements/service-</u> <u>installation-rules</u>
- iv. Inverters have Volt-VAR and Volt-Watt response modes enabled: <u>https://energy.nsw.gov.au/government-and-</u> regulation/legislative-and-regulatory-requirements/serviceinstallation-rules
- You have considered the requirements for NS194
 Connection of Embedded Generators: <u>https://www.ausgrid.com.au/ASPs-and-</u> <u>Contractors/Technical-documentation/Network-Standards</u>
- vi. You have considered the requirements of the Service and Installation Rules of NSW: <u>https://energy.nsw.gov.au/government-and-</u> <u>regulation/legislative-and-regulatory-requirements/service-</u> <u>installation-rules</u>
- vii. You have considered the requirements of the AS/NZS3000:2018 Wiring Rules, more information can be found at: <u>https://www.saiglobal.com/online/</u>
- viii. You have considered the requirements of the AS/NZS4777 Grid Connection of energy systems via inverters: https://www.saiglobal.com/online/

Alter Existing Connection + Embedded Generation Summary

Existing Connection Above 100 AMP		Reference Code : 0013106	
		1	1. Review your application.
-	ilename reference AttachmentFilePath_1	size 0.063 MB	 You will have the option to edit information from this summary page. This summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.
APPLICANT Applicant Type Retail Customer Full Name Miss Ima Modifier Email Address modifier@gmail Street Number/RMB 39 Applicant Address Gardinia Street Narwee 2209 Phone Number 0412123456	LOAD DETAILS PREMISES THAT ARE BEING PERMANENTLY DISCONNECTED Premises Type: Shop Unit/Shop: 8 Number of Premises: 1 LOAD DETAILS FOR REMAINING PREMISES Premises Usage: Commercial Type: Shop Unit/Shop: 7 Number of Premises: 1	[Edit] NMI 400000002 NMI 400000003	Meter Number EMBEDDED GENERATION USAGE: COMMERCIAL TYPE: SHOP UNIT/SHOP: 7 How Do You Intend To Operate Your Embedded Generation With The Ausgrid Network? Parallel
Ausgrid Better	Are You Altering The Existing Premises? Yes INSTALLATION CHANGE Alter An Existing Embedded Generation / Storage System Yes I Will Be Installing Equipment At The Premises That May Result No Ausgrid Has Provided A Certified Design Number(Cdn) For A Net No Ausgrid Has Provided A Certified Design Number(Cdn) For A Net No Do You Have Development Consent (Da) For Your Proposal? No Do You Wish To Underground / Relocate Electricity Assets In Co No	work Augmentation Project Associated With The I	Embedded Generation Is Connected Via Inverter Are You Intending To Install Or Remove Pv Panels Or Battery Storage To An Existing Inverter? No INVERTERS ExiSTING INVERTER Energy Source Total Generation Kw Inverter Type

Alter Existing Connection + Embedded Generation Expedited Connection

EXPEDITED CONNECTION

Do you want to expedite your connection offer for all premises?	Ves No
You can download the Basic Connection Services Offer - up to 100 Amps for	your records here.
* Basic connection services - 100 Amps connections (Download here)) * Basic connection services - over 100 Amps connections (Download DAmps connections (Damps connecti
* 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	

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.

Expediting your connection offer

Select YES to expedite your connection.
 <u>Note</u>: By selecting 'Yes', and requesting an expedited connection offer, the connection application will be processed more efficiently because; if Ausgrid agrees that the offer is right for your proposed connection, there is no need for the offer to be sent to you, signed and returned to Ausgrid.



<u>Note:</u> If you select 'No' Ausgrid will send you an offer that meets your supply requirements.

2. Select your preferred Connection Offer.

<u>Note</u>: Additional information about Connection Contracts can be found here:

https://www.ausgrid.com.au/Connections/Connection-Contracts#.WvvYQNhIJD8



You can only select one offer.





Alter Existing Connection + Embedded Generation Declaration

DECLARATION	1
Applicant Name Miss Ima Modifier Application Date 06-Jun-2019 Price Description Above 100 Amps Connection Offer - Technical Assessment required 1 x Total Price <u>Terms and Conditions:</u>	Price Including GST AUD \$ AUD \$
In submitting this application you are engaging Ausgrid to provide you with a connection offer. Once Ausgrid will aim to provide you with a written response within 10 business days. If additional work and/ advise prior to providing the response. Where this application requests an expedited connection, I declare that I have read and understood th offer and agree that if the connection is expedited that a contract based on that offer will be formed wit the application. Where this application is being made on behalf of a retail customer or real estate de authority of that person to make this application of their behalf, including where applicable, making a application.	or fees are required, we will contact you to he terms and conditions of the connection th Ausgrid on the date that Ausgrid receives eveloper, I declare that I have obtained the
*I acknowledge the terms & conditions.	2

 Review your **Declaration** that you understand the Total Price to be paid and the Terms and Conditions.

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- 2. By selecting this box you **acknowledge the terms and conditions.**
- 3. Click **Pay** to move to the payment screen or **Save & Share** your application.

Note: You can Save & Share you application. Use the Save & Share function to email your application form to another person for payment and submission.



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



This declaration summary page is indicative, dependent of the choices you made regarding embedded generation and alterations.



Alter Existing Connection Payment

Payment Confirmation	×
Do you want to proceed to	payment for the amount : AUD Pay
	Or
Share application for paym	ent Email Address I
	Supported by the CommonwealthBank
Make a BPOINT Payment Biller Code:	1261338 (Ausgrid - Ausgrid)
Ref#:	1261338 (Ausgrid - Ausgrid) 0011659
Amount (AUD):	
Select your payment option:	VISA

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.





Alter Existing Connection Table of Contents

Installation change	Service change
Alter Maximum Capacity	Alter an Existing Service to a Temporary Builders Supply (TBS)
Alter Consumer Mains	Alter an Existing Temporary Builders Supply (TBS) to a permanent
Alter Switchboard	Alter Number of Phases
Alter Connection Point	Install or replace % pole (private)
Alter an Existing Embedded Generation / Storage System	Alter Point of Common Coupling
Connect a New Embedded Generation / Storage System	Disconnection / Reconnection
Emergency Repairs	Emergency Repairs
Install, Alter or Remove Controlled Load	other
Other	



A detailed step by step guide for the following categories can be found on the following pages:

Installation Changes:

•	Alter Maximum Capacity	66
•	Alter Consumer Mains	67
•	Alter Switchboard	68
•	Alter Connection Point	.69
•	Alter an Existing or Connect to a New Embedded Generation / Storage System	.70
•	Emergency Repairs	.74
•	Install, Alter or Remove Controlled Load	75
Se	ervice Changes:	
•	Alter an Existing Service to a Temporary Building Supply (TBS)	76
•	Alter an Existing Service to a Temporary Building Supply (TBS) to a permanent Connection	77
•	Alter Number of Phases	78
•	Install or replace 'A' pole (private)	.79
•	Alter Point of Common Coupling	.80
•	Disconnection / Reconnection	.81
•	Emergency Repairs	.82



Alter Existing Connection (Load Details) Alter Maximum Capacity

Alter Maximum Capacity

*Service Voltage					×
*Are you proposing to increase the ser	vice connection size?				⊖ Yes 2
*Existing Maximum Demand 0	Number of Phases	*	Phase A	Phase B	Phase C
*Proposed Maximum Demand	Number of Phases	-	Phase A	Phase B	Phase C
*Are you intending to connect, alter or	maintain controlled load at t	this premises?	Ð		Yes Yes
Additional Comments (up to 2000 charac	(ô)	his section i	s provided to si	upply additional commen	its if required,

- Select Service Voltage from the drop-down specify the demand that is nearest to, but above the calculated maximum demand.
- If intending to increase the Service Connection Size. <u>Note</u>: If you select Yes, you will need to select the Service Size from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.
- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- If intending to connect controlled load at the premises check 'yes'.

Then 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.



Installation change

Alter Existing Connection (Load Details) Alter Consumer Mains

Installation change		*Alter Consum	er Mains		
*Existing Point of Common Coupling					
				Ŧ	1
*Existing Asset Identifier				6	2
*Proposed Point of Common Coupling				v	3
*Proposed Asset Identifier				0	4
*Existing Connection Point				- O	
*Proposed Connection Point					5
*Existing service length greater than 50	metres			🔿 Yes 🔵 No	6
*Proposed service length greater than 50	0 metres			🔿 Yes 🚫 No	6
*Proposed Service Type				•	7
*Service Voltage				× 🔻	'
*Are you proposing to increase the servi	ice connection size?			○ Yes ○ No	8
*Existing Maximum Demand	Number of Phases	Phase A	Phase B	Phase C	
*Proposed Maximum Demand	Number of Phases 👻	Phase A	Phase B	Phase C	9
*Are you intending to connect, alter or r	maintain controlled load at this premise	s? 🟮		🔵 Yes 🔵 No	10
Additional Comments (up to 2000 charact	The above informa as the type of conr	tion specifies the start nection. You should sp connection contract u	ecify these matters		vell

Select the Existing Point of Common Ccoupling from the drop-down menu.

1.

2.

3.

5.

- Provide the **Asset Identifier** for the existing point of common coupling if there is no asset identifier enter 'unknown'.
- Select the Proposed Point of Common Coupling from the drop-down menu.
- 4. Provide the **Asset Identifier** for the proposed point of common coupling if there is no asset identifier enter 'unknown'.
 - Select the **Existing and 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.
- Specify the Existing and Proposed Length of the Service if greater than 50 metres, the applicant will be required to provide the exact length in metres.
- Select the Service Type and Voltage from the drop-down menus specify the demand that is nearest to, but above the calculated maximum demand.
- 8. If intending to increase the Service Connection Size.

<u>Note</u>: If you select **Yes**, you will need to select the **Service Size** from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.

- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- If intending to connect controlled load at the premises check 'yes'.
 Then 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.

Alter Existing Connection (Load Details) Alter Switchboard

*Alter Switchboard

*Service Voltage					×
*Are you proposing to increase the ser	vice connection size?				⊖ Yes • 2º
*Existing Maximum Demand	Number of Phases	•	Phase A	Phase B	Phase C
*Proposed Maximum Demand 🕄	Number of Phases	•	Phase A	Phase B	Phase C
*Are you intending to connect, alter or	maintain controlled load at	this premises?	0		Yes Yes
Additional Comments (up to 2000 charac	(ô)	This section i	is provided to su	upply additional comment	s if required,

- Select Service Voltage from the drop-down specify the demand that is nearest to, but above the calculated maximum demand.
- If intending to increase the Service Connection Size.
 <u>Note</u>: If you select Yes, you will need to select the Service Size from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.
- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- 4. If intending to connect controlled load at the premises check 'yes'.

Then 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.



Installation change

Alter Existing Connection (Load Details) Alter Connection Point

Installation change		*Alter Connection	n Point	$\mathbf{\overline{\mathbf{V}}}$
*Existing Connection Point				
				- 0
*Proposed Connection Point				÷ 0
*Existing service length greater than 50	metres			Yes No
*Proposed service length greater than 5	0 metres			Ves No
*Proposed Service Type				
				· •
*Service Voltage				3
Low voltage 230/400v				× •
*Are you proposing to increase the serv	ce connection size?			○ Yes ○ No 4
*Existing Maximum Demand 0	Number of Phases	Phase A	Phase B	Phase C
*Proposed Maximum Demand	Number of Phases	▼ Phase A	Phase B	Phase C
*Are you intending to connect, alter or r	naintain controlled load at this pren	nises? 🟮		○ Yes ○ No 6
Additional Comments (up to 2000 charact		section is provided to su	pply additional co	mments if required,

USGRID Together



- Specify the Existing and Proposed Length of the Service if greater than 50 meters, the applicant will be required to provide the exact length in meters.
- Select the Service Type and Voltage from the drop-down menus - specify the demand that is nearest to, but above the calculated maximum demand.
- If intending to increase the Service Connection Size.
 <u>Note</u>: If you select Yes, you will need to select the Service Size from an additional drop-down menu. If other than 100 Amps specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.
- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- If intending to connect controlled load at the premises check 'yes'.

Then 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.

stallation change	**	lter an Existing Embedded Generat	
Address: Gardinia Street, Narwee, 2209			
*How do you intend to operate your Embedded Generation with the	Ausgrid network? 9	O Parallel O Sta	and By Parallel and Stand By
*The system has been designed as a Stand-by Generation in accord			© Yes ◯ No 2
*Embedded Generation is connected via		🗌 Inverter 🗌 Non Invert	ter Inverter and Non-Inverter 3
Are you intending to Install or Remove PV Panels or Battery Storage	to an Existing Inverter2	.a	
+ Existing Inverter + Inverter	<u> </u>	Note: - Existing Inverter (option only appears
	i	n the Alter Existing Co	nnection form.
Please add existing Inverter.			
+ Existing Non-Inverter - Existing Non-Inverter + Non-Inve	erter		
Please add existing capacity.			
*Energy Source			
			- 4
Inverter Details			5
*Inverter Type Manufactu	rer Name	Model Number	
*Inverter Phase Inverter Ra	Phase ating kW/kW	A Phase B	Phase C
per Phase			Rancel H Save
helpful tips	Click the Save b	utton to store your informati	
*Energy storage will be configured to generate when the network is	off.		● Yes ○ No 6

- 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. <u>Note:</u> By Selecting 'Standby' You will be asked to confirm your design is in accordance with AS3010 and NSW Service and Installation Rules.
- Select how the Embedded Generation will be connected, then select
 + Inverter to add, select Existing Inverter to remove an Inverter, select
 + Non-Inverter to add or Existing Non-Inverter remove a Non-inverter.
 Note: Existing inverter is a device already installed at the premises.
- 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.

Confirm if **energy storage** will be configured to generate when the network is off.

6.

New Inverter					
*Energy Source				•	1
Inverter Details					
*Inverter Type	Manufacturer Name		Model Number		2
*Inverter Phase	Inverter Rating kW/kV per Phase	Phase A N	Phase B	Phase C	3
h	elpful Click the Sav	/e button to store y	our information	R Cancel R Save	
*Energy storage will be configured to	o generate when the network is off.			🔿 Yes 🔘 No	4
New Generation Unit (GU) Details					
*Generation Type	Manufacturer Nam	e	Model Number		5
*Generation Phase	GU Nameplate Rat in kW	Phase A ing	Phase B	Phase C	6
ł	nelpful Click the Sa	we button to store	your information	🗟 Cancel 🛛 🤌 Save	e

- For a New Inverter select the Energy Source from the drop down list: PV only, Battery only, PV and Battery, Fuel Cell or Other.
- 2. Enter the **Inverter Details**, by selecting the **Inverter Type**; Grid Connect, Multiple Mode, Micro Inverters or Other.
- Select to Inverter Phase from Single or Three, specify the total generation in Kw and complete the information relevant to the Inverter. Click Save to add the information.
- 4. Confirm if the **Energy Storage** will be configured to generate when the network is off.
- 5. For a **New Generation Unit** select the **Generation Type** from the drop down list: Rotating Machine, Hydro or Other.

Note: You will be asked to supply the kW.

 Select the Generation Phase from either Single or Three, then enter the Generating Unit (GU) Nameplate rating in kW. Click Save to add the information.



Location Applicant Service	Selection	Load Deta	ils Embe	dded Generation Summ	nary and Payment	
Complete						
ummary						
Premises	Storage kW	Other Power kW	Generation kW	Inverter kW (A+ B + C) = Total	Generation kW (non- inverter)	Generation Total kW
Usage: Residential Type: Unit Unit/Shop: 7	100	0	0	A: 100 + B: 0 + C: 0 = 100	100	200
Total	100	0				
	100	0	0	A: 100 + B: 0 + C: 0 = 100	100	200
	100	U	0	A: 100 + B: 0 + C: 0 = 100	100	
gle Line Diagram		U	0	A: 100 + B: 0 + C: 0 = 100	100	
gle Line Diagram ntrol/protection settings and schematic diagram		0	0	A: 100 + B: 0 + C: 0 = 100	100	200 Browse File. Ø Browse File.
gle Line Diagram ntrol/protection settings and schematic diagram	ms 🕑					 Browse File. Browse File.
gle Line Diagram	ms 🕑					• Browse File.
gle Line Diagram ntrol/protection settings and schematic diagram My installation is part of a multi-tenanted prem	ms 🕑					 Browse File. Browse File.
gle Line Diagram ntrol/protection settings and schematic diagram My installation is part of a multi-tenanted prem Generation installed.	ms 🕑					 Browse File. Browse File.

Reference Code : 0013095

- Attach the Single Line Diagram. 1.
- 2. Attach the Control / Protection Settings and Schematic Diagrams. Refer to NS194 for parallel generation requirements.
- 3. Select Yes if your application is multi-tenanted or embedded network. Enter the Total existing inverter connected generation kW.

Note: Examples of multi-tenanted premises or imbedded networks may include apartment blocks, retirement village, shopping centres etc.



Existin	g Connection Above 100 AMP Reference Code : 001305	5
	Location Applicant Service Selection Load Details Embedded Generation Summary and Payment	
	Complete	
Declara	ation	
I confir	rm that the system meets each of the following conditions:	1
and ha	*I have made efforts to identify any other premises with Embedded Generation that share the network connection that this application pertains ave 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 NS194 Connection of Embedded Generators	6
	*In preparing this application I have considered the requirements of the Service and Installation Rules of NSW	e
	*In preparing this application I have considered the requirements of the AS/NZS3000:2018 The Wiring Rules.	e
	*In preparing this application I have considered the requirements of the AS/NZS4777 Grid connection of energy systems via inverters	(

- 1. Select 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: <u>https://energy.nsw.gov.au/government-and-</u> <u>regulation/legislative-and-regulatory-requirements/service-</u> <u>installation-rules</u>
- iv. Inverters have Volt-VAR and Volt-Watt response modes enabled: <u>https://energy.nsw.gov.au/government-and-</u> regulation/legislative-and-regulatory-requirements/serviceinstallation-rules
- v. You have considered the requirements for NS194
 Connection of Embedded Generators: <u>https://www.ausgrid.com.au/ASPs-and-</u>
 <u>Contractors/Technical-documentation/Network-Standards</u>
- vi. You have considered the requirements of the Service and Installation Rules of NSW: <u>https://energy.nsw.gov.au/government-and-</u> <u>regulation/legislative-and-regulatory-requirements/service-</u> <u>installation-rules</u>
- vii. You have considered the requirements of the AS/NZS3000:2018 Wiring Rules, more information can be found at: <u>https://www.saiglobal.com/online/</u>
- viii. You have considered the requirements of the AS/NZS4777 Grid Connection of energy systems via inverters: https://www.saiglobal.com/online/

Alter Existing Connection (Load Details) Emergency Repairs

Installation change		*Emergency Repairs		
*Existing Point of Common Coupling				2 -
*Existing Asset Identifier				3 • 2
*Proposed Point of Common Coupling				
*Proposed Asset Identifier				4. 5 • 5.
*Existing Connection Point				6.
*Proposed Connection Point				6 • • •
*Existing service length greater than 50	metres			
*Proposed service length greater than 50) metres			⊖ Yes ⊖ No 8.
				8 9.
*Service Voltage				× •
*Are you proposing to increase the servi	ce connection size?			_ v g _ ∾
*Existing Maximum Demand	Number of Phases	▼ Phase A	Phase B	Phase C 10
*Proposed Maximum Demand 0	Number of Phases	▼ Phase A	Phase B	Phase C
*Are you intending to connect, alter or n	naintain controlled load at this prem	iises? 0		O Yes P No

*Is it like for like?

Select if the **Emergency Repairs** will be like for like, if **No** complete the following fields on this page.

Select the Existing Point of Common Coupling from the drop-down menu.

Provide the **Asset Identifier** for the existing point of common coupling – if there is no asset identifier enter 'unknown'.

Select the Proposed Point of Common Coupling from the drop-down menu.

Provide the **Asset Identifier** for the proposed point of common coupling – if there is no asset identifier enter 'unknown'.

Select the **Existing and 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.

 Specify the Existing and Proposed Length of the Service – if greater than 50 metres, the applicant will be required to provide the exact length in metres.

Select the **Service Type and Voltage** from the drop-down menus - specify the demand that is nearest to, but above the calculated maximum demand.

If intending to increase the Service Connection Size.

<u>Note</u>: If you select **Yes**, you will need to select the **Service Size** from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.

- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- If intending to connect controlled load at the premises check 'yes'.
 Then select the controlled load tariff (Off-peak 1 or Off-peak 2) from the dropdown menu, and select the number of phases that this will apply to.

🔵 Yes 🔘 No

Alter Existing Connection (Load Details) Install, Alter or Remove Control Load

Installation change

ll, Alter or Remove Controlled Load

*Service Voltage					
Low voltage 230/400v					×
*Are you proposing to increase the servi	ce connection size?				Ves 210
*Existing Maximum Demand 🚯	Number of Phases	•	Phase A	Phase B	Phase C
*Proposed Maximum Demand 0	Number of Phases	•	Phase A	Phase B	Phase C
*Are you intending to connect, alter or r	naintain controlled load	at this premises	? 🟮		⊖ Yes O <mark>∕l</mark> o
Additional Comments (up to 2000 charact	ers)	This sectior	n is provided to su	upply additional commer	nts if required,

- Select Service Voltage from the drop-down specify the demand that is nearest to, but above the calculated maximum demand.
- If intending to increase the Service Connection Size. <u>Note</u>: If you select Yes, you will need to select the Service Size from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.
- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- If intending to connect controlled load at the premises check 'yes'. Then 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.



Alter Existing Connection (Load Details) Alter an Existing Temporary Builders Supply (TBS)

Service change		*Alter an Existing Service to		ply (TBS)		1.
*Existing Point of Common Coupling				1	Ţ	2.
*Existing Asset Identifier				2	Û	3.
*Proposed Point of Common Coupling				3	Ţ	4.
*Proposed Asset Identifier				4	6	5.
*Existing Connection Point				Ē	0	6.
*Proposed Connection Point				5	6	
*Existing service length greater than 50 n	netres) Yes () No	7.
*Proposed service length greater than 50	metres			O Yes) NO	
*Proposed Service Type				7	~	8.
*Service Voltage					× •	
*Are you proposing to increase the servic	e connection size?			8 °) NO	9.
*Existing Maximum Demand 0	Number of Phases 🔻	Phase A	Phase B	Phase C 9		
*Proposed Maximum Demand 0	Number of Phases 🔻	Phase A	Phase B	Phase C		10
*Are you intending to connect, alter or m	aintain controlled load at this premi	ses? 🕤		_ v• 1 €	No	

Select the **Existing Point of Common Coupling** from the drop-down menu.

Provide the **Asset Identifier** for the existing point of common coupling – if there is no asset identifier enter 'unknown'.

Select the **Proposed Point of Common Coupling** from the drop-down menu.

Provide the **Asset Identifier** for the proposed point of common coupling – if there is no asset identifier enter 'unknown'.

Select the **Existing and Proposed Connection Point** from the dropdown menu.

Specify the **Existing and Proposed Length of the Service** – if greater than 50 metres, the applicant will be required to provide the exact length in metres.

Select the **Service Type and Voltage** from the drop-down menus - specify the demand that is nearest to, but above the calculated maximum demand.

If intending to increase the Service Connection Size.

<u>Note</u>: If you select **Yes**, you will need to select the **Service Size** from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.

Select the **Number of Phases** from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.

 If intending to connect controlled load at the premises check 'yes'. Then 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.

77 Alter Existing Connection (Load Details) Alter an Existing Temporary Builders Supply (TBS) to a permanent Connection

Service change		*Alter an Existing Tempora Connection	ary Builders Supply (TBS) t	o a permanent		1.
*Existing Point of Common Coupling				1	Ţ	2.
*Existing Asset Identifier				2	6	3.
*Proposed Point of Common Coupling				3		4.
*Proposed Asset Identifier					6	5.
*Existing Connection Point				Т		6.
*Proposed Connection Point				5	6	0.
*Existing service length greater than 50 r	netres				•) No	7.
*Proposed service length greater than 50	metres			6 () Yes ()) No	
*Proposed Service Type				7	~	8.
*Service Voltage				,	× •	
*Are you proposing to increase the servic	e connection size?			0 °8 0) No	9.
*Existing Maximum Demand 0	Number of Phases 🔻	Phase A	Phase B	Phase C		
*Proposed Maximum Demand 0	Number of Phases 👻	Phase A	Phase B	Phase C		10
*Are you intending to connect, alter or m	aintain controlled load at this premis	ses? 0		[⊖] ™ 0	No	

- Select the **Existing Point of Common Coupling** from the drop-down menu.
- Provide the Asset Identifier for the existing point of common coupling if there is no asset identifier enter 'unknown'.
- Select the Proposed Point of Common Coupling from the drop-down menu.
- Provide the Asset Identifier for the proposed point of common coupling

 if there is no asset identifier enter 'unknown'.
- Select the Existing and Proposed Connection Point from the dropdown menu.
- Specify the Existing and Proposed Length of the Service if greater than 50 metres, the applicant will be required to provide the exact length in metres.
- Select the Service Type and Voltage from the drop-down menus specify the demand that is nearest to, but above the calculated maximum demand.
- 8. If intending to increase the Service Connection Size.

<u>Note</u>: If you select **Yes**, you will need to select the **Service Size** from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.

- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- If intending to connect controlled load at the premises check 'yes'. Then 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.

Alter Existing Connection (Load Details) Alter Number of Phases

*Service Voltage Low voltage 230/400v					×
*Are you proposing to increase the se	rvice connection size?				⊖ Yes 2o
*Existing Maximum Demand 0	Number of Phases	•	Phase A	Phase B	Phase C
*Proposed Maximum Demand	Number of Phases	-	Phase A	Phase B	O Phase C
*Are you intending to connect, alter o	r maintain controlled load at	this premises?	0		O Yes 📿
Additional Comments (up to 2000 chara	(in)	his section	is provided to s	supply additional commen	ts if required,

1. Select **Service Voltage** from the drop-down – specify the demand that is nearest to, but above the calculated maximum demand.

- If intending to increase the Service Connection Size. <u>Note</u>: If you select Yes, you will need to select the Service Size from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.
- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- If intending to connect controlled load at the premises check 'yes'. Then 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.



Service change

Alter Existing Connection (Load Details) Install or replace 'A' pole (private)

Existing Point of Common Coupling
Proposed Point of Common Coupling Proposed Asset Identifier Proposed Asset Identifier Proposed Asset Identifier Proposed Connection Point Proposed Connection Point Proposed Connection Point Proposed Service length greater than 50 metres Proposed Service length greater than 50 metres Proposed Service Type Proposed Service Type Proposed Service Typ
Proposed Point of Common Coupling Proposed Asset Identifier Proposed Asset Identifier Proposed Asset Identifier Proposed Connection Point Proposed Connection Point Proposed Connection Point Proposed Service length greater than 50 metres Proposed Service length greater than 50 metres Proposed Service Type Proposed Service Type Proposed Service Typ
*Proposed Point of Common Coupling *Proposed Asset Identifier *Existing Connection Point *Existing Service length greater than 50 metres *Proposed Service length greater than 50 metres *Proposed Service length greater than 50 metres *Proposed Service Intype *Service Vottage *Service Vottage *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size? *Are you proposing to increase the service connection size?
*Proposed Asset identifier 5 0 *Existing Connection Point 6 *Proposed Connection Point 0 *Existing service length greater than 50 metres 0 ves 0 vo *Proposed service length greater than 50 metres 0 ves 0 vo *Proposed Service Type 8 *Service Voltage 8 Low voltage 230/400v x * *Are you proposing to increase the service connection size? Ves 0 vo
*Proposed Asset identifier 5 0 *Existing Connection Point 6 *Proposed Connection Point 0 *Existing service length greater than 50 metres 0 ves 0 vo *Proposed service length greater than 50 metres 0 ves 0 vo *Proposed Service Type 8 *Service Voltage 8 Low voltage 230/400v x * *Are you proposing to increase the service connection size? Ves 0 vo
*Existing Connection Point *Proposed Connection Point *Proposed Connection Point *Existing service length greater than 50 metres *Existing service length greater than 50 metres *Proposed service length greater than 50 metres *Proposed Service Type *Service Voltage Low voltage 230/400v X * *Are you proposing to increase the service connection size? Yes 9 No
*Existing Connection Point *Proposed Connection Point *Proposed Connection Point *Existing service length greater than 50 metres *Existing service length greater than 50 metres *Proposed service length greater than 50 metres *Proposed Service Type *Service Voltage Low voltage 230/400v X * *Are you proposing to increase the service connection size? Yes 9 No
*Existing Connection Point *Proposed Connection Point *Proposed Connection Point *Existing service length greater than 50 metres *Existing service length greater than 50 metres *Proposed service length greater than 50 metres *Proposed Service Type *Service Voltage Low voltage 230/400v X * *Are you proposing to increase the service connection size? Yes 9 No
*Existing Connection Point *Proposed Connection Point *Proposed Connection Point *Existing service length greater than 50 metres *Existing service length greater than 50 metres *Proposed Service length greater than 50 metres *Proposed Service Type *Service Voltage Low voltage 230/400v Yes Yes No *Are you proposing to increase the service connection size? Yes No Yes No
*Proposed Connection Point *Existing service length greater than 50 metres *Proposed service length greater than 50 metres *Proposed service length greater than 50 metres *Proposed Service Type *Proposed Service Type *Service Voltage Low voltage 230/400v * * < * Are you proposing to increase the service connection size?
*Proposed Connection Point
*Proposed Connection Point
*Existing service length greater than 50 metres Ves No Yes No Yes No Yes No Yes No Yes No *Proposed Service Type *Service Voltage Low voltage 230/400v X * *Are you proposing to increase the service connection size? Yes 9 No
*Existing service length greater than 50 metres Yes *Proposed service length greater than 50 metres Yes *Proposed Service Type *Service Voltage Low voltage 230/400v *Are you proposing to increase the service connection size? Yes No
*Existing service length greater than 50 metres Yes *Proposed service length greater than 50 metres Yes *Proposed Service Type *Service Voltage Low voltage 230/400v *Are you proposing to increase the service connection size? Yes No
*Proposed service length greater than 50 metres Ves No *Proposed Service Type *Service Voltage Low voltage 230/400v *Are you proposing to increase the service connection size? Yes 9 No
*Proposed Service Type *Service Voltage Low voltage 230/400v *Are you proposing to increase the service connection size? Yes 9 No
*Proposed Service Type *Service Voltage Low voltage 230/400v *Are you proposing to increase the service connection size? Yes 9 No
*Service Voltage Low voltage 230/400v *Are you proposing to increase the service connection size? Yes 9 No
*Service Voltage Low voltage 230/400v *Are you proposing to increase the service connection size? Yes 9 No
*Service Voltage Low voltage 230/400v *Are you proposing to increase the service connection size? Yes 9 No
*Service Voltage Low voltage 230/400v *Are you proposing to increase the service connection size? Yes 9 No
*Are you proposing to increase the service connection size? Yes 9 No
*Are you proposing to increase the service connection size? Yes 9 No
*Existing Maximum Demand 🜒 Number of Phases 🔻 Phase A Phase B Phase C
10
*Proposed Maximum Demand 🜒 Number of Phases 🔻 Phase A Phase B Phase C
*Are you intending to connect, alter or maintain controlled load at this premises? I

3	*Is it like for like? Ves No
1.	Select if the Pole Replacement or Installation will be like for like, if No complete the following fields on this page.
2.	Select the Existing Point of Common Coupling from the drop-down menu.
3.	Provide the Asset Identifier for the existing point of common coupling – if the is no asset identifier enter 'unknown'.
4.	Select the Proposed Point of Common Coupling from the drop-down menu.
5.	Provide the Asset Identifier for the proposed point of common coupling – if there is no asset identifier enter 'unknown'.
6.	Select the Existing and Proposed Connection Point from the drop-down menu.
7.	Specify the Existing and Proposed Length of the Service – if greater than 5 metres, the applicant will be required to provide the exact length in metres.
8.	Select the Service Type and Voltage from the drop-down menus - specify the demand that is nearest to, but above the calculated maximum demand.
9.	If intending to increase the Service Connection Size . <u>Note</u> : If you select Yes , you will need to select the Service Size from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.
10.	Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
11.	If intending to connect controlled load at the premises check 'yes'.

Then select the controlled load tariff (Off-peak 1 or Off-peak 2) from the dropdown menu, and select the number of phases that this will apply to.

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Alter Existing Connection (Load Details) Alter Common Coupling

Service change		nuine		-	-
	ser	VICE	e cn	ang	e

*Alter Point of Common Couplin

*Existing Connection Point					
					- G
*Proposed Connection Point					1
					~ ()
*Existing service length greater than 5	0 metres				○ Yes ○ No
*Proposed service length greater than	50 metres				Ves No
*Proposed Service Type					
*Service Voltage					3
Low voltage 230/400v					X 🔻
*Are you proposing to increase the ser	vice connection size?				○ Yes ○ No 4
*Existing Maximum Demand	Number of Phases	•	Phase A	Phase B	Phase C
*Proposed Maximum Demand 0	Number of Phases	~	Phase A	Phase B	Phase C
	Number of Mases		Fliase A	Fliase b	Filase C
*Are you intending to connect, alter or	maintain controlled load at	t this premises?	? 0		○ Yes ○ No 6
Additional Comments (up to 2000 charac	cters)				
		This secti	ion is provided t	to supply additional cor	mments if required,



- 1. Select the **Existing and Proposed Connection Point** from the drop-down menu.
- Specify the Existing and Proposed Length of the Service if greater than 50 meters, the applicant will be required to provide the exact length in meters.
- Select the Service Type and Voltage from the drop-down menus - specify the demand that is nearest to, but above the calculated maximum demand.
- If intending to increase the Service Connection Size.
 <u>Note</u>: If you select Yes, you will need to select the Service Size from an additional drop-down menu. If other than 100 Amps specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.
- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- If intending to connect controlled load at the premises check 'yes'.

Then 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.

Alter Existing Connection (Load Details) Disconnection / Reconnection

Service change		*Disconnection / Reconnection	ection	
*Existing Point of Common Coupling				2 - 1
*Existing Asset Identifier				3 • 2.
*Proposed Point of Common Coupling				4 -
*Proposed Asset Identifier				5 5.
*Existing Connection Point				6.
*Proposed Connection Point				6
				- 0
*Existing service length greater than 50	metres			
*Proposed service length greater than 50) metres			Yes No
*Proposed Service Type				9.
				8
*Service Voltage				.
-	ce connection size?			8
Low voltage 230/400v	ce connection size? Number of Phases	Phase A	Phase B	8 × ▼ ○ Y ● ○ № 10
Low voltage 230/400v *Are you proposing to increase the servi	ſ	Phase A Phase A	Phase B Phase B	8 × • 0 ¥9 0 № 10

*Is it like for like?

Select if the **Disconnection / Reconnection** will be like for like, if **No** complete the following fields on this page.

Select the Existing Point of Common Coupling from the drop-down menu.

Provide the **Asset Identifier** for the existing point of common coupling – if there is no asset identifier enter 'unknown'.

Select the Proposed Point of Common Coupling from the drop-down menu.

Provide the **Asset Identifier** for the proposed point of common coupling – if there is no asset identifier enter 'unknown'.

Select the **Existing and Proposed Connection Point** from the drop-down menu.

Specify the **Existing and Proposed Length of the Service** – if greater than 50 metres, the applicant will be required to provide the exact length in metres.

Select the **Service Type and Voltage** from the drop-down menus - specify the demand that is nearest to, but above the calculated maximum demand.

If intending to increase the Service Connection Size.

Note: If you select **Yes**, you will need to select the **Service Size** from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.

 Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.

 If intending to connect controlled load at the premises check 'yes'.
 Then select the controlled load tariff (Off-peak 1 or Off-peak 2) from the dropdown menu, and select the number of phases that this will apply to.

🔵 Yes 🔘 No

Alter Existing Connection (Load Details) Emergency Repairs

Service change		*Emergency Repairs			*
*Existing Point of Common Coupling				<u> </u>	1.
				2 -	1.
*Existing Asset Identifier				3 •	2.
				J 0	3.
*Proposed Point of Common Coupling				4 -	
*Proposed Asset Identifier					4.
				5 •	5.
*Existing Connection Point					6.
				6	0.
*Proposed Connection Point				- O	7.
*Existing service length greater than 50	metres) Yes) No	
					~
					8.
*Proposed service length greater than 50	0 metres			Yes No	
*Proposed service length greater than 50 *Proposed Service Type	0 metres			Yes No	8. 9.
	0 metres			Yes No	
*Proposed Service Type	D metres			Yes No	
*Proposed Service Type *Service Voltage				O Yes O No 8 × ▼	
*Proposed Service Type *Service Voltage Low voltage 230/400v		Phase A	Phase B	Yes No 8 × • Yg No Phase C	9.
*Proposed Service Type *Service Voltage Low voltage 230/400v *Are you proposing to increase the servi	ce connection size?	Phase A Phase A	Phase B Phase B	Yes ○ No Yes ○ No 8 × ▼ Yg ○ No	9.

*Is it like for like?

Select if the **Emergency Repairs** will be like for like, if **No** complete the following fields on this page.

Select the Existing Point of Common Coupling from the drop-down menu.

Provide the **Asset Identifier** for the existing point of common coupling – if there is no asset identifier enter 'unknown'.

Select the Proposed Point of Common Coupling from the drop-down menu.

Provide the **Asset Identifier** for the proposed point of common coupling – if there is no asset identifier enter 'unknown'.

Select the Existing and Proposed Connection Point from the drop-down menu.

Specify the **Existing and Proposed Length of the Service** – if greater than 50 metres, the applicant will be required to provide the exact length in metres.

Select the **Service Type and Voltage** from the drop-down menus - specify the demand that is nearest to, but above the calculated maximum demand.

If intending to increase the Service Connection Size.

Note: If you select Yes, you will need to select the Service Size from an additional drop-down menu. If other than 100 Amps – specify the demand that is nearest to but above the calculated maximum demand in the additional field displayed.

- Select the Number of Phases from the drop-down menu; then for each phase (Phase A, Phase B, Phase C) specify the existing and proposed maximum demand.
- If intending to connect controlled load at the premises check 'yes'. Then select the controlled load tariff (Off-peak 1 or Off-peak 2) from the dropdown menu, and select the number of phases that this will apply to.

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🔵 Yes 🔘 No