

## MERIDEN SCHOOL – LINGWOOD CAMPUS

### ELECTRICAL SERVICES INFRASTRUCTURE REPORT

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#### 1 SUPPLY

Supply to the site is derived by means of an aerial service from the existing Ausgrid reticulation system in Margaret Street. The service is rated at 200 amps per phase and currently has approval for connection of a load of 150 amps per phase.

An application has been made to Ausgrid for connection of the additional load of the new building and a copy of this application is appended to this report. We are currently awaiting a response to this application.

#### 2 MAIN SWITCHBOARD

The Main Switchboard for the Lingwood Campus has recently been installed and comprises a sheetmetal cubicle complete with miniature circuit breakers for the control of outgoing submains and subcircuits.

The switchboard has capacity and spare space to enable control of a new submain to serve the proposed new Administration and Student Centre building.

#### 3 EXTERNAL CONDUIT SYSTEM

A system of underground conduits and pits has been installed on the campus to facilitate the installation of power and data cabling between buildings. This system will be used to the new Administration and Student Centre building.

#### 4 DATA CABLING SYSTEM

The Campus Distributor for the Lingwood Campus is located in Lingwood House. New data backbone cabling will be installed to the new Server Room to be constructed in the Administration and Student Centre building.

#### 5 SOLAR POWER GENERATION SYSTEM

A solar power generation system with an output capacity of 6.5kW is installed on the roof of the K1 Building and will be retained.

#### 6 PUBLIC ADDRESS SYSTEM

A new public address system is being installed on the Lingwood Campus and will be extended to serve the new building.



**7 FIRE DETECTION**

Fire detection on the Lingwood Campus comprises smoke alarms installed in the occupied areas and connected to the access control and security system.

**8 ACCESS CONTROL AND SECURITY SYSTEM**

Buildings on the Lingwood Campus are equipped with an access control and security system controlled by an Inner Range 'Concept 3000' control system. The system will be extended to serve the new building.

**9 LIGHTING CONTROL SYSTEM**

Lighting on the Lingwood Campus is controlled by a Clipsal 'C-Bus' lighting control system which will be extended to serve the new building.



## OFFER to provide Basic Connection Services - Connections over 100amps



### Connection Offer

Premises address: 16 Margaret St Strathfield

NMI - Number: 41040229411

API/AE Reference: 800261877

TRIM Reference: B19/928

This offer is made on 16<sup>th</sup> day of May 2019

By Ausgrid of 570 George Street, Sydney NSW 2000.

To the *connection applicant* named in the *connection application* received on 9.5.2019 in respect of the *premises* referred to above.

Ausgrid has determined that the connection service applied for is a Basic Connection Service. This *connection offer* is an offer to provide *basic connection services* on the terms set out in the attached *connection contract* and is open for acceptance for 45 business days.

The *connection details* are as specified in your *connection application*, modified as follows:

The maximum *capacity of the connection* is 155amps. See also clause 2.5, 2.6 and 3 of the *connection contract*.

The *connection point* is the customer main switchboard on the premises. See also clause 2.7 of the *connection contract*.

The *point of common coupling* is Ausgrid low voltage network pole no. RP-479. See also clause 2.8 of the *connection contract*.

Specific technical requirements set out in Appendix B apply to the *connection*. See also clause 10.3 of the *connection contract*.

As specified in clause 7 of the contract, we will either bill you, your *retailer* or an *electrical professional* acting on your behalf for *connection charges* incurred under the contract. Other than the charges billed to your *retailer*, you are responsible for ensuring those *connection charges* are paid. By entering into this contract, you agree to these billing and payment arrangements.

In regards to the above, initially you will be charged **\$232.86** for provision of a connection offer, however further charges under clause 7 of the contract may become applicable as the connection proceeds.

Ausgrid determines the maximum allowable *capacity* of the *connection* and may revise the permitted *capacity* downwards after 2 years if the maximum has not been achieved in order to relieve a *network constraint*. See clause 3 of the *connection contract*. If you disagree with this approach, you can choose not to accept the *connection offer* and elect to negotiate a negotiated connection contract with Ausgrid.

If you have indicated in your connection application that you wish to relocate existing *distribution network* assets, Ausgrid will notify you separately whether it will accept your request and allow the relocation to proceed and any conditions attached to that relocation.

If this is an application for a new connection, please contact your electricity retailer to arrange for metering to be installed. Installations associated with new connections MUST NOT be energised until a National Electricity Rule compliant metering has been installed.

This connection will expire if not completed after twelve months and a new connection application will need to be submitted, see clause 15.2(e).

Enclosure: Contract terms – via website at: <http://www.ausgrid.com.au/Common/Custom-er-Services/Business-and-commercial/Connecting-to-the-network/Connection-services-and-offers/Basic-connection-services-connections-over-100-Amps.aspx> (unless you request otherwise)

Acceptance of Connection Offer form



# Acceptance of Connection Offer

## Basic Connection Service - Connections over 100amps



Offer Expiry Date: 17 July 2019

Premises address: 16 Margaret St Strathfield

NMI - Number: 41040229411

API/AE Reference: 800261877

TRIM Reference: B19/928

Ausgrid's offer is accepted by the *connection applicant* on the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Signed by the *connection applicant*

- ☐ on its own behalf; or
- ☐ for and on behalf of the *retail customer* or *real estate developer* (tick one)

Name of *Connection Applicant*: \_\_\_\_\_

Full name of signatory: \_\_\_\_\_

In signing this offer I agree that I have read and understood the terms and conditions of the connection offer (including the *Connection Offer Summary*) including in relation to the billing and payment of *connection charges*.

Where the *connection application* is made on behalf of a *retail customer* or *real estate developer*, I declare that I have obtained the authority of that person to accept this offer on their behalf.

Signature: \_\_\_\_\_

Please note that a tax invoice will be generated based on the details provided on this form.

Changes to this information following invoice processing will result in additional charges.

Details of Person or Company to invoice for the payment of Ausgrid Fees and Charges.	
<p>This is the party that will be billed and responsible for payment.</p> <p>If you are signing on behalf of a third party, we require their details for invoicing.</p> <p><b>ALL FIELDS MANDATORY</b></p>	_____ print name of person or company
	_____ ABN / ACN
	_____ postal address - line 1
	_____ postal address - line 2
	_____ contact name
	_____ contact phone number
	_____ email address
	<p>Purchase Order Number Obtained: Yes <input type="checkbox"/> NA <input type="checkbox"/></p> <p>If yes, please provide Purchase Order Number: _____</p> <p>_____ purchase order number</p>
<p>Return the signed acceptance form to: Ausgrid Contestability Section Building 1a, 33-45 Judd Street, Oatley NSW 2223 E: Contestability@ausgrid.com.au</p>	
<p><i>Office use only</i> Date Ausgrid received acceptance form: _____</p>	



## MERIDEN SCHOOL – CENTRE FOR MUSIC AND DRAMA

### ELECTRICAL SERVICES INFRASTRUCTURE REPORT

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#### 1 SUPPLY

Supply to the Senior Campus of the School is derived by means of an underground service from Ausgrid kiosk substation no. S35764 located on the Redmeyer Road frontage of the School. The service is connected to a Main Switchboard housed in a free standing masonry building adjacent to the substation.

Supply for the new building will be derived from the Main Switchboard and we believe the supply system has adequate capacity to serve the additional load.

An application has been made to Ausgrid for connection of the additional load and a copy of this application is attached to this report. We are currently awaiting a response from Ausgrid.

#### 2 MAIN SWITCHBOARD

The Main Switchboard is of the front connected, floor mounted type of Form 3b construction and rated for a prospective fault level of 36kA. The switchboard is rated to accept an incoming supply of 1250 amps per phase and the Service Protection Device is set at 1187 amps per phase.

The switchboard has spare space for the installation of additional circuit breakers to control new outgoing submain.

#### 3 SUPPLY TO NEW CENTRE FOR MUSIC

Supply to the new building will be derived from the existing Main Switchboard of the Senior Campus. From the maximum demand indicator on the switchboard, the load on the existing supply is approximately 333 amps per phase and the spare capacity on the supply system is approximately 850 amps per phase.

There is therefore adequate capacity in the existing supply system to serve the estimated 250 amps per phase load of the new Centre for Music and Drama.

#### 4 DATA CABLING SYSTEM

New fibre optic data cabling will be installed from the existing Campus Distributor to serve the data network in the new building. A new Communications Room is to be constructed on Level 0.

#### 5 PUBLIC ADDRESS SYSTEM

The building will be equipped with a public address system to enable general and emergency announcements to be made selectively through the building. The system will be designed to enable extension throughout the Senior Campus.

#### 6 FIRE DETECTION

A smoke detection system complying with AS1670 will be installed in the Centre.



**7 ACCESS CONTROL AND SECURITY**

Access control and security on the Senior Campus is controlled by an Inner Range 'Concept 3000' security system. The system will be extended to serve the new centre.

**8 SOLAR POWER GENERATION SYSTEM**

The new centre will be equipped with a solar power generation system with a nominal capacity of 12kW.

The panel array will be installed on the roof and the inverter in a distribution cupboard on Level 2.

**9 LIGHTING**

Lighting in the centre will incorporate LED sources throughout. Controls will be installed to ensure that lighting in unoccupied areas will be automatically switched off.

External lighting will be controlled by photoelectric and time controls.



## OFFER to provide Basic Connection Services - Connections over 100amps



### Connection Offer

Premises address: Meriden School, 10-12 Redmyre Rd, Strathfield

NMI - Number: 41039182232

AP/AE Reference: 800261851

TRIM Reference: B19/2572

This offer is made on 22nd day of May 2019

By Ausgrid of 570 George Street, Sydney NSW 2000.

To the *connection applicant* named in the *connection application* received on 09.05.2019 in respect of the *premises* referred to above.

Ausgrid has determined that the connection service applied for is a Basic Connection Service. This *connection offer* is an offer to provide *basic connection services* on the terms set out in the attached *connection contract* and is open for acceptance for 45 business days.

The *connection details* are as specified in your *connection application*, modified as follows:

The maximum *capacity of the connection* is 1200 amps. See also clause 2.5, 2.6 and 3 of the *connection contract*.

The *connection point* is the S.35764 on the premises. See also clause 2.7 of the *connection contract*.

The *point of common coupling* is S.35764. See also clause 2.8 of the *connection contract*.

Specific technical requirements set out in Appendix B apply to the *connection*. See also clause 10.3 of the *connection contract*.

As specified in clause 7 of the contract, we will either bill you, your *retailer* or an *electrical professional* acting on your behalf for *connection charges* incurred under the contract. Other than the charges billed to your *retailer*, you are responsible for ensuring those *connection charges* are paid. By entering into this contract, you agree to these billing and payment arrangements.

In regards to the above, initially you will be charged **\$232.86** for provision of a connection offer, however further charges under clause 7 of the contract may become applicable as the connection proceeds.

Ausgrid determines the maximum allowable *capacity* of the *connection* and may revise the permitted *capacity* downwards after 2 years if the maximum has not been achieved in order to relieve a *network constraint*. See clause 3 of the *connection contract*. If you disagree with this approach, you can choose not to accept the *connection offer* and elect to negotiate a negotiated connection contract with Ausgrid.

If you have indicated in your connection application that you wish to relocate existing *distribution network* assets, Ausgrid will notify you separately whether it will accept your request and allow the relocation to proceed and any conditions attached to that relocation.

If this is an application for a new connection, please contact your electricity retailer to arrange for metering to be installed. Installations associated with new connections MUST NOT be energised until a National Electricity Rule compliant metering has been installed.

This connection will expire if not completed after twelve months and a new connection application will need to be submitted, see clause 15.2(e).

Enclosure: Contract terms – via website at: <http://www.ausgrid.com.au/Common/Custom-er-Services/Business-and-commercial/Connecting-to-the-network/Connection-services-and-offers/Basic-connection-services-connections-over-100-Amps.aspx> (unless you request otherwise)

Acceptance of Connection Offer form



## Acceptance of Connection Offer

### Basic Connection Service - Connections over 100amps



Offer Expiry Date: 24.07.2019

Premises address: Meriden School. 10-12 Redmyre Rd, Strathfield

NMI - Number: 41039182232

API/AE Reference: 800261851

TRIM Reference: B19/2572

Ausgrid's offer is accepted by the *connection applicant* on the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Signed by the *connection applicant*

- ☐ on its own behalf; or
- ☐ for and on behalf of the *retail customer* or *real estate developer* (tick one)

Name of *Connection Applicant*: \_\_\_\_\_

Full name of signatory: \_\_\_\_\_

In signing this offer I agree that I have read and understood the terms and conditions of the connection offer (including the *Connection Offer Summary*) including in relation to the billing and payment of *connection charges*.

Where the *connection application* is made on behalf of a *retail customer* or *real estate developer*, I declare that I have obtained the authority of that person to accept this offer on their behalf.

Signature: \_\_\_\_\_

Please note that a tax invoice will be generated based on the details provided on this form.

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Details of Person or Company to invoice for the payment of Ausgrid Fees and Charges.	
This is the party that will be billed and responsible for payment.	_____ print name of person or company
	_____ ABN / ACN
	_____ postal address - line 1
	_____ postal address - line 2
	_____ contact name
	_____ contact phone number
	_____ email address
If you are signing on behalf of a third party, we require their details for invoicing.	Purchase Order Number Obtained: Yes <input type="checkbox"/> NA <input type="checkbox"/>
	If yes, please provide Purchase Order Number: _____ purchase order number
ALL FIELDS MANDATORY	

Return the signed acceptance form to: Ausgrid Contestability Section Building 1a, 33-45 Judd Street, Oatley NSW 2223 E: Contestability@ausgrid.com.au	<b>Office use only</b> Date Ausgrid received acceptance form: _____
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## MERIDEN SCHOOL – LINGWOOD CAMPUS

### ELECTRICAL SERVICES INFRASTRUCTURE REPORT

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An application has been made to Ausgrid for connection of the additional load of the new building and a copy of this application is appended to this report. We are currently awaiting a response to this application.

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The switchboard has capacity and spare space to enable control of a new submain to serve the proposed new Administration and Student Centre building.

#### **3 EXTERNAL CONDUIT SYSTEM**

A system of underground conduits and pits has been installed on the campus to facilitate the installation of power and data cabling between buildings. This system will be used to the new Administration and Student Centre building.

#### **4 DATA CABLING SYSTEM**

The Campus Distributor for the Lingwood Campus is located in Lingwood House. New data backbone cabling will be installed to the new Server Room to be constructed in the Administration and Student Centre building.

#### **5 SOLAR POWER GENERATION SYSTEM**

A solar power generation system with an output capacity of 6.5kW is installed on the roof of the K1 Building and will be retained.

#### **6 PUBLIC ADDRESS SYSTEM**

A new public address system is being installed on the Lingwood Campus and will be extended to serve the new building.



**7 FIRE DETECTION**

Fire detection on the Lingwood Campus comprises smoke alarms installed in the occupied areas and connected to the access control and security system.

**8 ACCESS CONTROL AND SECURITY SYSTEM**

Buildings on the Lingwood Campus are equipped with an access control and security system controlled by an Inner Range 'Concept 3000' control system. The system will be extended to serve the new building.

**9 LIGHTING CONTROL SYSTEM**

Lighting on the Lingwood Campus is controlled by a Clipsal 'C-Bus' lighting control system which will be extended to serve the new building.





**Shelmerdines**  
Consulting Engineers

8 May 2019  
PM/KG: 7114

Ausgrid  
Contestability Section  
GPO Box 4009  
SYDNEY NSW 2001

Dear Sir / Madam

**MERIDEN SCHOOL, LINGWOOD CAMPUS – NEW ADMINISTRATION AND STUDENT CENTRE  
ELECTRICITY SUPPLY**

We are acting as consulting engineers for the design of the electrical services installation for a new Administration and Student Centre to be constructed at the Lingwood Campus of Meriden School.

The building will have a floor area of 526m<sup>2</sup> and our estimate of the maximum demand is as follows:

526m <sup>2</sup> @ 60VA/m <sup>2</sup> = 31.5KVA	=	43.8 amps per phase
Less existing Business Centre (to be demolished) 125m <sup>2</sup> @ 60VA/m <sup>2</sup> = 7.5KVA	=	(10.4 amps per phase)
Nett increase in demand	=	33.4 amps per phase
	Say	34 amps per phase

The site is currently served by means of an aerial service from the Ausgrid network in Margaret Street.

Can you please confirm that there is adequate capacity in the supply to serve the new building.

Yours faithfully  
**SHELMERDINES**

Peter W. Matthews



# Connection Application - Large, Multiple and Remote Connections



## FORM NECF-03

### Who should use this form

Use this form if you:

- require a new or altered service connection greater than 100 Amps OR
- require new infrastructure to provide electricity to a subdivision of land OR
- require a new or altered connection at high voltage OR
- require a new or altered service connection at 100 Amps **WHERE**
  - the development comprises more than 6 separate units OR
  - any item of plant or equipment is rated at 30 amps or more

For other connections use NECF-02 Connection Application - Residential and Small Commercial Connection

### How to submit this form to Ausgrid

Sydney, Central Coast and Hunter

Fax: (02) 4399 8007

Fax (local call): 1300 662 089

Email to: datanorth@ausgrid.com.au

Upper Hunter only

Fax: (02) 6542 9037

Email to: datamuswellbrook@ausgrid.com.au

Total number of pages sent\*

8

### General enquiries

More information on completing this form can be found on our website:

[www.ausgrid.com.au/connectingtothenetwork](http://www.ausgrid.com.au/connectingtothenetwork)

Fields marked with an \* are mandatory.

This form is to be completed using BLOCK LETTERS only

Any application marked TBA or TBD will be incomplete and will be returned with advice that Ausgrid will not be able to process the application until a complete application is re-submitted. If you do not have all the required information at this stage and are only interested in determining how your proposed development will be supplied, you should consider lodging a preliminary connection enquiry, using our form NECF-01.

## PART A: PREMISES AND DEVELOPMENT DETAILS

### 1. Premises and Owner Details

Retailer	ENERGY AUSTRALIA		NMI			Your NMI can be found on your electricity bill. Put NA for a new site.
Property Name	MERIDEN SCHOOL LINGWOOD CAMPUS					
Floor No.	Unit No.	Street No. or RMB*	Lot No.*	DP No.*		
		16	or			
Street Name*	MARGARET STREET				Post Code*	2135
Suburb*	STRATHFIELD		Nearest Cross Street	THE BOULEVARDE		
Name of Registered Proprietor of Land*	MERIDEN SCHOOL					This is the person authorising connection of the premises.
Address of Registered Proprietor of Land*	10-12 REOMYRE ROAD STRATHFIELD					Post Code*
						2135

### 2. Retail Customer or Real Estate Developer Details

Tick here if you are the land owner ☒ Now proceed to Section 3

Title, First Name, Last Name*	ABN (if applicable)
Company Name (if applicable and provide representative details above)	Phone No.
Postal Address *	Mobile Phone No.
Email Address*	Fax No.

### 3. About You - The Connection Applicant

Questions in this section are about the person making this Connection Application.

What type of applicant are you?\*

(write A, B, C, D, E or F)

F

A = Retail Customer,  
B = Real Estate Developer  
C = Energy Retailer

D = You are applying on behalf of a retail customer or developer  
E = Electrical Contractor on behalf of a customer or developer  
F = ASP on behalf of a customer or developer

Title, First Name, Last Name\*

MR PETER MATTHEWS

Company Name (if applicable and provide representative details above)

SHELMERDINES CONSULTING ENG.

Postal Address \*

PO BOX 1345 CROWS NEST 1585

Email address\*

pmatthews@shelmerdines.com.au

ABN (if applicable)

40003331879

Phone No. \* (and/or)

9436 3021

Mobile Phone No.\*

0402396389

Fax No.

Electrical Contractor Licence No.\* (if E above)

ASP No.\* (if F Above)

2606

Level

03

If you are an ASP you must provide your accreditation number and level (1,2,3)



Street Address of the Premises (to be completed by applicant) \*

Post Code\*

16 MARGARET STREET STRATHFIELD

2135

#### 4. Electrical Contractor Details (if available)

Tick here if the same as Section 3 above ☐ Now proceed to Section 5

Title First Name and Last Name (or Company Name)

ABN (if applicable)

Postal Address

Phone No.

Email

Fax No.

Electrical Contractor Licence No.

### PART B: LOAD DETAILS

#### 5. Connection Details

##### (i) Connection Timeframes

(a) When do you expect the construction of the premises connection assets to commence?\*

31 / 01 / 2020

(b) When do you wish to energise (ie turn on the supply to) the premises?\*

01 / 07 / 2020

▲ Premises connection assets are the components of the distribution system used to provide the connection service to the premises eg service cable, metering, new Ausgrid pole, pillar or substation etc.

##### (ii) Existing Connection (if applicable)

Existing Point of Common Coupling

Asset No.

This is the No. of the pole, pillar or substation. If there is no asset No. put "unknown".

Meter No.

Pole ☒ Pillar ☐ Substation ☐

RP479

If you have an existing supply, is it from a substation located on the premises?\*

Y ☐ N ☒

##### (iii) Infrastructure to a Land Subdivision

(a) Is this an application to provide infrastructure to a land subdivision, eg provide low voltage reticulation within an URD subdivision?\*

Y ☐ N ☒

► If No, proceed to (iv) below otherwise continue on to (b) below

(b) No. of lots in the subdivision\*

(c) Nearest existing Ausgrid Asset\*

Asset No.

Pole ☐ Pillar ☐ Substation ☐

► This is the number of the pole, pillar or substation. If there is no asset number put "unknown".

► Proceed to (vi)

##### (iv) Proposed Point of Common Coupling\* (Please tick one)

Pole ☒ Pillar ☐ Substation ☐

Asset No.

RP479

► This is the number of the pole, pillar or substation. If there is no asset number put "unknown".

Is the Point of Common Coupling within 50m of the boundary of your land?\*

Y ☒ N ☐

##### (v) Proposed Point of Supply\* (Please tick one or if Other, please describe)

Private Pole / Pit / Pillar ☐

Main Switchboard ☒

Front of Premises ☐

Other

##### (vi) Connection Type\*

(Please tick all that apply)

New ☐

Upgrade ☒

Alteration ☐

Separation ☐

Amalgamation ☐

##### (vii) Embedded Generation Details\* (e.g. solar, wind, hydro, back-up and standby)

(a) Does the premises have existing embedded generation?\*

Y ☐ N ☒

► If Yes

Rated Output

kW

Type:

(solar, wind, gas, etc)

(b) Are you upgrading or installing new embedded generation?\*

Y ☐ N ☒

► If Yes, submit our NECF-04 form in addition to this form

(c) Your Installer's Clean Energy Council Accreditation No.

► Only complete if embedded generation comprising of AS/NZS 4777 compliant components is being installed



Street Address of the Premises (to be completed by applicant) \*

Post Code\*

16 MARGARET STREET STRATHFIELD 2135

(viii) Service Type\* Overhead ☒ Underground ☐ UGOH ☐ Off Pole ☐ Busbar ☐  
(Please tick one) Transformer Supply

(ix) Service Size\* 100 Amps ☐ 200 Amps ☒ 400 Amps ☐ 630 Amps ☐ 800 Amps ☐ 1000 Amps ☐  
(Please tick one)

1200 Amps ☐ 1600 Amps ☐ 2000 Amps ☐ 2500 Amps ☐ 3000 Amps ☐

Other ☐ Describe

(Complete if Other is ticked, eg high voltage connection at 11KV)

(x) Number of Phases\* 1 Phase ☐ 2 Phases ☐ 3 Phases ☒  
(Please tick one)

(xi) Metering Details\*

(a) Are new meters being installed as part of this connection application? Y ☐ N ☒ ▶ If yes, number of meters in (b) below must be completed

Tariff

(b) Number of Meters: Single Phase ☐ Three Phase (E3) ☐ Single Phase & Controlled Load 1 ☐  
(enter total number) (E1) ☐ Controlled Load (E2) ☐ Controlled Load 2 ☐

(c) Embedded generation metering: Net ☐ Gross ☐ Other ☐  
(tick if applicable or describe)

(d) Will your installation be CT metered? Y ☐ N ☐ ▶ If yes, CT Metering Form must be submitted. Refer to that form for submission details

(xii) Type and Number of Premises

Land Title Type\*  
(Please tick one)

Torrens ☐

Strata ☐

Community Title ☐

Premises Usage\*  
(Please tick one or more)

Residential ☐

Commercial / Industrial ☒

House Services ☐

Builder's Service ☐

No. of Premises\*  
(enter total number)

Which of the following applies to your premises? (one must be ticked)

Urban ☐

Unknown ☐

Rural ☐

◀ Only fill out House Services if you have Multiple Installations

(xiii) Calculated Maximum Demand in Each Phase (Amps)

◀ This question is not asking about service rating.

(a) Existing Maximum Demand A  B  C  Amps Existing Service Length  m

(b) Proposed Maximum Demand \*    Amps Proposed Service Length\*  m  
(Total of New & Existing Load)

(c) Is a Maximum Demand Calculation worksheet attached to this application? Y ☒ N ☐

A worksheet showing the maximum demand calculation in accordance with AS/NZS3000 must be attached to this form unless you answered "Y" in (iii)(a) above.

## 6. Additional Development Details (please fill in where relevant to your premises)

If your development involves any of these, this section MUST be completed, even if you are providing your plans with this application

### Residential Portion

Number of living units

Number of bedrooms per unit

Gas hot water (yes/no)

Y ☐ N ☐

Gas cooktop (yes/no)

Y ☐ N ☐

Car park ventilation current rating

Amps

Car park area requiring lighting

m<sup>2</sup>

Air conditioning (yes/no & if Yes, No. of units)

Y ☐ N ☐

Air conditioning rating (Electrical Input)

Amps

### Industrial Portion

No of factory units

Total floor area of all factory units

m<sup>2</sup>

### Commercial Portion

Number of shops

Total floor area with air conditioning

m<sup>2</sup>

Total office area without air conditioning

m<sup>2</sup>

Car park ventilation current rating

Amps

Car park area requiring lighting

m<sup>2</sup>

Warehouse floor area

m<sup>2</sup>

Commercial areas for food handling (yes/no)

Y ☐ N ☐

Other (eg Lifts, Cranes, etc - List Type, No & Rating in Amps)



Street Address of the Premises (to be completed by applicant) \*

16 MARGARET STREET STRATHFIELD

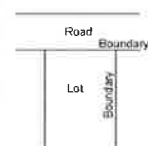
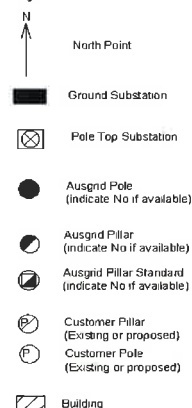
Post Code\*

2135

## 7. Location Diagram\*

This section is about the physical location of your premises and an electrical schematic will not be accepted. Ensure that your diagram clearly identifies property, nearest cross street, North Point, Proposed Point of Common Coupling, Point of Supply and service cable route to main switchboard. Attach a separate paper if more space is required.

Use the following symbols where necessary:



REFER ATTACHED  
ARCHITECTURAL PLAN.

## 8. Specific Equipment - Non Linear/Fluctuating Load Details (complete if installing any of the items listed below)

This section is for connections where (a) any single item of plant or equipment has a rating > 75 Amps at 230/400V, (b) any HV connections, or (c) Work where the proposed equipment may cause excessive fluctuations of voltage (eg. lifts, welders, pumps, x-ray machines).

Description	kVA/kW	Amp	No of Ops/Hr	Design Standard	Mitigation Measures
<b>Distorting Loads</b>					
1 Phase capacitor-filtered or conventional rectifier					
3 Phase 6-pulse capacitor filtered rectifier / VSD					
3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD					
3 Phase 6 pulse inductor filtered rectifier / VSD					
3 Phase 12 pulse rectifier / VSD					
AC voltage regulator					
Variable voltage variable frequency (VVVF) drive					
Switch mode power supplies					
Power Factor Correction					
Other (please specify)					
<b>Fluctuating Loads</b>					
Rating of the largest motor					
Rating of the second largest motor					
Rating of other frequently fluctuating loads:					
Other:					
<b>Special Equipment</b>					
X-Ray or Magnetic Resonance Imaging Devices					
Welding plant rating					
Arc furnaces rating					
Unbalanced loads (e.g PH-N / PH-PH loads)					
Other, (incl >75A rated equipment):					
<b>TOTAL APPARENT POWER RATING (KVA)</b>					



Street Address of the Premises (to be completed by applicant) \*

Post Code\*

16 MARGARET STREET STRATHFIELD 2135

### 9. Expedited Connection (optional)

For information regarding this section please refer to our website or the guide for this form.

Are you applying for an expedited connection? Y ☐ N ☒ ▶ If No, proceed to Section 10

If Yes, then indicate which model standing offer to provide connection services is acceptable to you (you may tick more than one).

- |   |  |
|---|--|
| <input type="checkbox"/> Basic - 100 Amps connection      | <input type="checkbox"/> Standard - connection requiring Ausgrid-funded offsite works              |
| <input type="checkbox"/> Basic - Over 100 Amps connection | <input type="checkbox"/> Standard - connection requiring Ausgrid-funded onsite substation          |
| <input type="checkbox"/> Basic - micro EG connection      | <input type="checkbox"/> Standard - ASP/1 connection   |
|   | <input type="checkbox"/> Standard - connection requiring Ausgrid augmentation (substation upgrade) |

### 10. Other Information

Information you provide in this section may help Ausgrid to process your connection application faster.

Was a Preliminary Connection Enquiry lodged for the premises using our form NECF-01?

Y ☐ N ☒

Preliminary Enquiry No.

Has Ausgrid provided a certified design number for a Network Augmentation project associated with the premises?

Y ☐ N ☒

Certified Design No.

If you have appointed an ASP/1, please provide their details below otherwise skip to next question

ASP/1 Name

ASP No.

Do you have development consent for your proposal?

Y ☐ N ☒

DA Reference No.

▲ If yes, please attach any conditions relating to electricity where not already provided to Ausgrid.

Do you wish to underground/relocate electricity assets in conjunction with this connection application?

Y ☐ N ☒

▶ If yes, please provide details in section 11, or on a separate paper

### 11. Comments and Additional Information (if applicable)

(e.g. References to similar existing installations, supporting information. Attach information on a separate paper if there is insufficient space below)

THE SCHOOL PROPOSES TO CONSTRUCT A NEW ADMINISTRATION AND STUDENT CENTRE ON ITS LINGWOOD CAMPUS TO REPLACE THE EXISTING BUSINESS CENTRE. THE ESTIMATED NETT INCREASE IN THE MAXIMUM DEMAND WILL BE 34 AMPS PER PHASE.



Street Address of the Premises (to be completed by applicant) \*

Post Code\*

16 MARGARET STREET STRATHFIELD 2135

## 12. Signatory

Signatory should be the person named in Section 3, ie the Connection Applicant.

Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer referred to in section 9 (including the Connection Offer Summary) 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.

Signatory Name\*

Signatory Position\*

PETER MATTHEWS

DIRECTOR

Signature of Connection Applicant\*

*Peter W. Matthews*

Date signed by the Connection Applicant\*

07 / 05 / 2019

### Attachment Checklist:

Tick if done

No of pages

Remarks

This Connection Application form

☒

6

Ensure all fields marked with \* are filled in

AS/NZS3000 maximum demand worksheet

☐

1

Refer to question 5(xiii)(c)

Connection Application for Embedded & Standby  
Generation Form NECF-04

☐

Required if you answered "Y" in question 5(vii)(b)

Development Plans

☐

Attach if available

Location Diagram (if space in Section 7 is inadequate)

☐

1

Conditions of consent to your Development Application

☐

Refer to Section 10

Other (please specify)

☐

Other (please specify)

☐

TOTAL\*

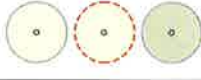
8

If this application is incomplete in a material respect or if Ausgrid requires more information, Ausgrid will not process the application until you provide the relevant information. If you do not supply the requested information within 12 months, this application will lapse.



## STATE BOUNDARY

### GRAPHIC SYMBOLS LEGEND



NOTE  
CONTOUR INTERVAL IS 500mm (SOLID LINES EVERY  
1m, DASHED LINES IN BETWEEN)

MATERIAL/ELEVATION..		DESCRIPTION
NAME		
4.7	4.7	4.7
4.8	4.8	4.8
4.9	4.9	4.9
5.0	5.0	5.0
5.1	5.1	5.1
5.2	5.2	5.2
5.3	5.3	5.3
5.4	5.4	5.4
5.5	5.5	5.5
5.6	5.6	5.6
5.7	5.7	5.7
5.8	5.8	5.8
5.9	5.9	5.9
6.0	6.0	6.0
6.1	6.1	6.1
6.2	6.2	6.2
6.3	6.3	6.3
6.4	6.4	6.4
6.5	6.5	6.5
6.6	6.6	6.6
6.7	6.7	6.7
6.8	6.8	6.8
6.9	6.9	6.9
7.0	7.0	7.0
7.1	7.1	7.1
7.2	7.2	7.2
7.3	7.3	7.3
7.4	7.4	7.4
7.5	7.5	7.5
7.6	7.6	7.6
7.7	7.7	7.7
7.8	7.8	7.8
7.9	7.9	7.9
8.0	8.0	8.0
8.1	8.1	8.1
8.2	8.2	8.2
8.3	8.3	8.3
8.4	8.4	8.4
8.5	8.5	8.5
8.6	8.6	8.6
8.7	8.7	8.7
8.8	8.8	8.8
8.9	8.9	8.9
9.0	9.0	9.0
9.1	9.1	9.1
9.2	9.2	9.2
9.3	9.3	9.3
9.4	9.4	9.4
9.5	9.5	9.5
9.6	9.6	9.6
9.7	9.7	9.7
9.8	9.8	9.8
9.9	9.9	9.9
10.0	10.0	10.0

Year	Chase	Demographic	Age
1	14-19 Yr	College/Post-grad	19
2	20-29 Yr	College/Post-grad	29
3	30-39 Yr	College/Post-grad	39
4	40-49 Yr	College/Post-grad	49
5	50-59 Yr	College/Post-grad	59
6	60-69 Yr	College/Post-grad	69
7	70-79 Yr	College/Post-grad	79
8	80-89 Yr	College/Post-grad	89
9	90-99 Yr	College/Post-grad	99



**MERIDEN**  
PUBLIC SCHOOLS  
AN ANCIENT SCHOOL FOR A NEW FUTURE

A1+C

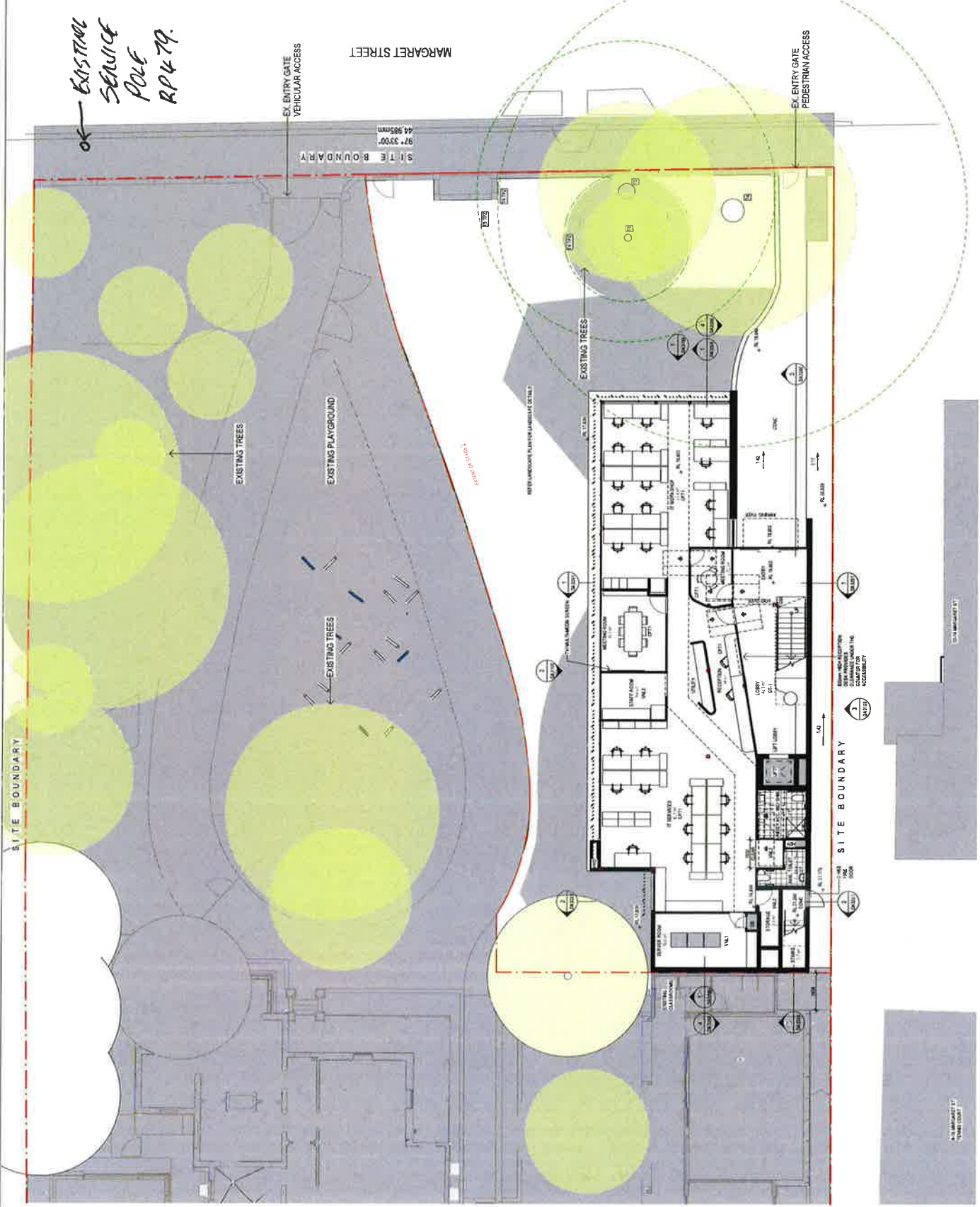
<sup>12</sup> M. J. Griffin, *Sound and Vibration*, 3rd edn, John Wiley & Sons, 2005.

Admin+Student Centre, Lingwood  
Campus  
16 Margaret Street, Strathfield, NS  
2135 18044

GROUND FLOOR PLAN

Scale	Drawing No.	Material
1:100 @A1	DA2100	C

OK - EASTMAN SERVICE POLE RP 479.



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## MERIDEN SCHOOL – CENTRE FOR MUSIC AND DRAMA

### ELECTRICAL SERVICES INFRASTRUCTURE REPORT

---

#### 1 SUPPLY

Supply to the Senior Campus of the School is derived by means of an underground service from Ausgrid kiosk substation no. S35764 located on the Redmeyer Road frontage of the School. The service is connected to a Main Switchboard housed in a free standing masonry building adjacent to the substation.

Supply for the new building will be derived from the Main Switchboard and we believe the supply system has adequate capacity to serve the additional load.

An application has been made to Ausgrid for connection of the additional load and a copy of this application is attached to this report. We are currently awaiting a response from Ausgrid.

#### 2 MAIN SWITCHBOARD

The Main Switchboard is of the front connected, floor mounted type of Form 3b construction and rated for a prospective fault level of 36kA. The switchboard is rated to accept an incoming supply of 1250 amps per phase and the Service Protection Device is set at 1187 amps per phase.

The switchboard has spare space for the installation of additional circuit breakers to control new outgoing submains.

#### 3 SUPPLY TO NEW CENTRE FOR MUSIC

Supply to the new building will be derived from the existing Main Switchboard of the Senior Campus. From the maximum demand indicator on the switchboard, the load on the existing supply is approximately 333 amps per phase and the spare capacity on the supply system is approximately 850 amps per phase.

There is therefore adequate capacity in the existing supply system to serve the estimated 250 amps per phase load of the new Centre for Music and Drama.

#### 4 DATA CABLING SYSTEM

New fibre optic data cabling will be installed from the existing Campus Distributor to serve the data network in the new building. A new Communications Room is to be constructed on Level 0.

#### 5 PUBLIC ADDRESS SYSTEM

The building will be equipped with a public address system to enable general and emergency announcements to be made selectively through the building. The system will be designed to enable extension throughout the Senior Campus.

#### 6 FIRE DETECTION

A smoke detection system complying with AS1670 will be installed in the Centre.



**7 ACCESS CONTROL AND SECURITY**

Access control and security on the Senior Campus is controlled by an Inner Range 'Concept 3000' security system. The system will be extended to serve the new centre.

**8 SOLAR POWER GENERATION SYSTEM**

The new centre will be equipped with a solar power generation system with a nominal capacity of 12kW.

The panel array will be installed on the roof and the inverter in a distribution cupboard on Level 2.

**9 LIGHTING**

Lighting in the centre will incorporate LED sources throughout. Controls will be installed to ensure that lighting in unoccupied areas will be automatically switched off.

External lighting will be controlled by photoelectric and time controls.





**Shelmerdines**  
Consulting Engineers

8 May 2019  
PM/KG: 7077

Ausgrid  
Contestability Section  
GPO Box 4009  
SYDNEY NSW 2001

Dear Sir / Madam

**MERIDEN SCHOOL, STRATHFIELD – NEW MUSIC AND DRAMA CENTRE  
ELECTRICITY SUPPLY**

We are acting as consulting engineers for the design of the electrical services installation for a new Music and Drama Centre to be constructed at the above school.

The estimated maximum demand of the Centre is as follows:

$$2494\text{m}^2 @ 80\text{VA/m}^2 = 199.5\text{KVA} \quad = \quad 277 \text{ amps per phase}$$

Say 280 amps per phase

Supply to the building is proposed to be derived from the existing School Main Switchboard which is served by a 1250 amp rated service from Substation S35764. As part of the submission of the project as a State Significant Project to the Department of Planning, we are seeking written confirmation from Ausgrid that the existing supply system has adequate capacity to serve the new building.

Yours faithfully  
**SHELMERDINES**

Peter W. Matthews



# Connection Application - Large, Multiple and Remote Connections



## FORM NECF-03

### Who should use this form

Use this form if you:

- require a new or altered service connection greater than 100 Amps OR
- require new infrastructure to provide electricity to a subdivision of land OR
- require a new or altered connection at high voltage OR
- require a new or altered service connection at 100 Amps **WHERE**
  - the development comprises more than 6 separate units OR
  - any item of plant or equipment is rated at 30 amps or more

For other connections use NECF-02 Connection Application - Residential and Small Commercial Connection

### How to submit this form to Ausgrid

Sydney, Central Coast and Hunter

Fax: (02) 4399 8007

Fax (local call): 1300 662 089

Email to: datanorth@ausgrid.com.au

Upper Hunter only

Fax: (02) 6542 9037

Email to: datamuswellbrook@ausgrid.com.au

Total number of pages sent\*

8

### General enquiries

More information on completing this form can be found on our website:

[www.ausgrid.com.au/connectingtothenetwork](http://www.ausgrid.com.au/connectingtothenetwork)

Fields marked with an \* are mandatory.

This form is to be completed using BLOCK LETTERS only

Any application marked TBA or TBD will be incomplete and will be returned with advice that Ausgrid will not be able to process the application until a complete application is re-submitted. If you do not have all the required information at this stage and are only interested in determining how your proposed development will be supplied, you should consider lodging a preliminary connection enquiry, using our form NECF-01.

## PART A: PREMISES AND DEVELOPMENT DETAILS

### 1. Premises and Owner Details

Retailer	ENERGY AUSTRALIA		NMI	4103918223		◀ Your NMI can be found on your electricity bill. Put NA for a new site.
Property Name	MERIDEN SENIOR SCHOOL					
Floor No.	Unit No.	Street No. or RMB*	Lot No.*	DP No.*		
		10-12				
Street Name*	REDMYRE				ROAD	Post Code*
						2135
Suburb*						
Name of Registered Proprietor of Land*	MERIDEN SCHOOL					◀ This is the person authorising connection of the premises.
Address of Registered Proprietor of Land*	10-12 REDMYRE ROAD STRATHFIELD					Post Code*
						2135

### 2. Retail Customer or Real Estate Developer Details

Tick here if you are the land owner

☒ Now proceed to Section 3

Title, First Name, Last Name*			ABN (if applicable)		
Company Name (if applicable and provide representative details above)			Phone No.		
Postal Address *			Mobile Phone No.		
Email Address*			Fax No.		

### 3. About You - The Connection Applicant

Questions in this section are about the person making this Connection Application.

What type of applicant are you?\*

☒ F

- A = Retail Customer,  
B = Real Estate Developer  
C = Energy Retailer

- D = You are applying on behalf of a retail customer or developer  
E = Electrical Contractor on behalf of a customer or developer  
F = ASP on behalf of a customer or developer

Title, First Name, Last Name*	MR PETER MATTHEWS		ABN (if applicable)	40003331879	
Company Name (if applicable and provide representative details above)	SHELMERDINE'S CONSULTING ENG.		Phone No. * (and/or)	9436 3021	
Postal Address *	PO BOX 1345 CROWS NEST 1585		Mobile Phone No.*	0402336389	
Email address*	pmatthews@shelmedines.com.au		Fax No.		
Electrical Contractor Licence No.* (If E above)			ASP No.* (If F Above)	2606	
			Level	03	
◀ If you are an ASP you must provide your accreditation number and level (1,2,3)					



Street Address of the Premises (to be completed by applicant) \*

Post Code\*

10-12 REDMERE ROAD STRATHFIELD

2135

#### 4. Electrical Contractor Details (if available)

Tick here if the same as Section 3 above ☐ Now proceed to Section 5

Title First Name and Last Name (or Company Name)

ABN (if applicable)

Postal Address

Phone No.

Email

Fax No.

Electrical Contractor Licence No.

### PART B: LOAD DETAILS

#### 5. Connection Details

##### (i) Connection Timeframes

(a) When do you expect the construction of the premises connection assets to commence?\*

31 / 01 / 2020

(b) When do you wish to energise (ie turn on the supply to) the premises?\*

01 / 07 / 2020

▲ Premises connection assets are the components of the distribution system used to provide the connection service to the premises eg service cable, metering, new Ausgrid pole, pillar or substation etc.

##### (ii) Existing Connection (if applicable)

Existing Point of Common Coupling

Asset No.

This is the No. of the pole, pillar or substation. If there is no asset No. put "unknown".

Meter No.

Pole ☐ Pillar ☐ Substation ☒

535764

If you have an existing supply, is it from a substation located on the premises?\*

Y ☒ N ☐

##### (iii) Infrastructure to a Land Subdivision

(a) Is this an application to provide infrastructure to a land subdivision, eg provide low voltage reticulation within an URD subdivision?\*

Y ☐ N ☒

► If No, proceed to (iv) below otherwise continue on to (b) below

(b) No. of lots in the subdivision\*

(c) Nearest existing Ausgrid Asset\*

Asset No.

This is the number of the pole, pillar or substation. If there is no asset number put "unknown".

Pole ☐ Pillar ☐ Substation ☐

► Proceed to (vi)

##### (iv) Proposed Point of Common Coupling\* (Please tick one)

Pole ☐ Pillar ☐ Substation ☒

Asset No.

This is the number of the pole, pillar or substation. If there is no asset number put "unknown".

535764

Is the Point of Common Coupling within 50m of the boundary of your land?\*

Y ☒ N ☐

##### (v) Proposed Point of Supply\* (Please tick one or if Other, please describe)

Private Pole / Pit / Pillar ☐

Main Switchboard ☒

Front of Premises ☐

Other

##### (vi) Connection Type\*

(Please tick all that apply)

New ☐

Upgrade ☒

Alteration ☐

Separation ☐

Amalgamation ☐

##### (vii) Embedded Generation Details\* (e.g. solar, wind, hydro, back-up and standby)

(a) Does the premises have existing embedded generation?\*

Y ☐ N ☒

► If Yes

Rated Output

Type:

(solar, wind, gas, etc)

(b) Are you upgrading or installing new embedded generation?\*

Y ☐ N ☒

► If Yes, submit our NECF-04 form in addition to this form

(c) Your Installer's Clean Energy Council Accreditation No.

► Only complete if embedded generation comprising of AS/NZS 4777 compliant components is being installed



Street Address of the Premises (to be completed by applicant) \*

10-12 REOMYRE ROAD STRATHFIELD

Post Code\*

2135

(viii) Service Type\*  
(Please tick one)

Overhead ☐

Underground ☒

UGOH ☐

Off Pole  
Transformer ☐

Busbar  
Supply ☐

(ix) Service Size\*  
(Please tick one)

100 Amps ☐

200 Amps ☐

400 Amps ☐

630 Amps ☐

800 Amps ☐

1000 Amps ☐

1200 Amps ☒

1600 Amps ☐

2000 Amps ☐

2500 Amps ☐

3000 Amps ☐

Other ☐

Describe

(Complete if Other is ticked, eg high voltage connection at 11KV)

(x) Number of Phases\*  
(Please tick one)

1 Phase ☐

2 Phases ☐

3 Phases ☒

(xi) Metering Details\*

(a) Are new meters being installed as part of this connection application?\*

Y ☐ N ☒

► If yes, number of meters in (b) below must be completed

Tariff

(b) Number of Meters:  
(enter total number)

Single Phase  
(E1) ☐

Three Phase (E3) ☐

Single Phase &  
Controlled Load (E2) ☐

Controlled Load 1 ☐

Controlled Load 2 ☐

(c) Embedded generation metering:  
(tick if applicable or describe)

Net ☐

Gross ☐

Other

(d) Will your installation be CT metered?\*

Y ☐ N ☐

► If yes, CT Metering Form must be submitted. Refer to that form for submission details

(xii) Type and Number of Premises	Land Title Type* (Please tick one)	Premises Usage* (Please tick one or more)	No. of Premises* (enter total number)	Which of the following applies to your premises?* (one must be ticked)
	Torrens <input type="checkbox"/>	Residential <input type="checkbox"/>	<input type="checkbox"/>	Urban <input checked="" type="checkbox"/> Unknown <input type="checkbox"/>
	Strata <input checked="" type="checkbox"/>	Commercial / Industrial <input checked="" type="checkbox"/>	1	Rural <input type="checkbox"/>
	Community Title <input type="checkbox"/>	House Services <input type="checkbox"/>	<input type="checkbox"/>	
		Builder's Service <input type="checkbox"/>	<input type="checkbox"/>	

◀ Only fill out House Services if you have Multiple Installations

(xiii) Calculated Maximum Demand in Each Phase (Amps)

◀ This question is not asking about service rating.

(a) Existing Maximum Demand <sup>A</sup> 370 <sup>B</sup> 370 <sup>C</sup> 370 Amps Existing Service Length 30 m

(b) Proposed Maximum Demand \* <sup>A</sup> 650 <sup>B</sup> 650 <sup>C</sup> 650 Amps Proposed Service Length\* 30 m  
(Total of New & Existing Load)

(c) Is a Maximum Demand Calculation worksheet attached to this application?\*

Y ☒ N ☐

A worksheet showing the maximum demand calculation in accordance with AS/NZS3000 must be attached to this form unless you answered "Y" in (iii)(a) above.

## 6. Additional Development Details (please fill in where relevant to your premises)

If your development involves any of these, this section MUST be completed, even if you are providing your plans with this application

### Residential Portion

Number of living units

Number of bedrooms per unit

Gas hot water (yes/no)

Y ☐ N ☐

Gas cooktop (yes/no)

Y ☐ N ☐

Car park ventilation current rating

☐ Amps

Car park area requiring lighting

☐ m<sup>2</sup>

Air conditioning (yes/no & if Yes, No. of units)

Y ☐ N ☐

Air conditioning rating (Electrical Input)

☐ Amps

### Industrial Portion

No of factory units

Total floor area of all factory units

☐ m<sup>2</sup>

### Commercial Portion

Number of shops

Total floor area with air conditioning

☐ m<sup>2</sup>

Total office area without air conditioning

☐ m<sup>2</sup>

Car park ventilation current rating

☐ Amps

Car park area requiring lighting

☐ m<sup>2</sup>

Warehouse floor area

☐ m<sup>2</sup>

Commercial areas for food handling (yes/no)

Y ☐ N ☐

Other (eg Lifts, Cranes, etc - List Type, No & Rating in Amps)



Street Address of the Premises (to be completed by applicant) \*

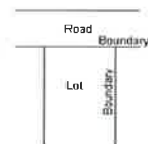
Post Code\*

10-12 REDMYRE ROAD STRATHFIELD 2135

## 7. Location Diagram\*

This section is about the physical location of your premises and an electrical schematic will not be accepted. Ensure that your diagram clearly identifies property, nearest cross street, North Point, Proposed Point of Common Coupling, Point of Supply and service cable route to main switchboard. Attach a separate paper if more space is required.

Use the following symbols where necessary:



REFER ATTACHED  
LOCATION PLAN.

## 8. Specific Equipment - Non Linear/Fluctuating Load Details (complete if installing any of the items listed below)

This section is for connections where (a) any single item of plant or equipment has a rating > 75 Amps at 230/400V, (b) any HV connections, or (c) Work where the proposed equipment may cause excessive fluctuations of voltage (eg. lifts, welders, pumps, x-ray machines).

Description	kVA/kW	Amp	No of Ops/Hr	Design Standard	Mitigation Measures
<b>Distorting Loads</b>					
1 Phase capacitor-filtered or conventional rectifier					
3 Phase 6-pulse capacitor filtered rectifier / VSD					
3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD					
3 Phase 6 pulse inductor filtered rectifier / VSD					
3 Phase 12 pulse rectifier / VSD					
AC voltage regulator					
Variable voltage variable frequency (VVVF) drive					
Switch mode power supplies					
Power Factor Correction					
Other (please specify)					
<b>Fluctuating Loads</b>					
Rating of the largest motor					
Rating of the second largest motor					
Rating of other frequently fluctuating loads:					
Other:					
<b>Special Equipment</b>					
X-Ray or Magnetic Resonance Imaging Devices					
Welding plant rating					
Arc furnaces rating					
Unbalanced loads (e.g. PH-N / PH-PH loads)					
Other, (incl >75A rated equipment):					
TOTAL APPARENT POWER RATING (KVA)					



Street Address of the Premises (to be completed by applicant) \*

10-12 REDMAYNE ROAD STRATHFIELD

Post Code\*

2135

### 9. Expedited Connection (optional)

For information regarding this section please refer to our website or the guide for this form.

Are you applying for an expedited connection?

Y ☐

N ☒

► If No, proceed to Section 10

If Yes, then indicate which model standing offer to provide connection services is acceptable to you (you may tick more than one).

☐ Basic - 100 Amps connection

☐ Standard - connection requiring Ausgrid-funded offsite works

☐ Basic - Over 100 Amps connection

☐ Standard - connection requiring Ausgrid-funded onsite substation

☐ Basic - micro EG connection

☐ Standard - ASP/1 connection

☐ Standard - connection requiring Ausgrid augmentation (substation upgrade)

### 10. Other Information

Information you provide in this section may help Ausgrid to process your connection application faster.

Was a Preliminary Connection Enquiry lodged for the premises using our form NECF-01?

Y ☐

N ☒

Preliminary Enquiry No.

Has Ausgrid provided a certified design number for a Network Augmentation project associated with the premises?

Y ☐

N ☒

Certified Design No.

If you have appointed an ASP/1, please provide their details below otherwise skip to next question

ASP/1 Name

ASP No.

Do you have development consent for your proposal?

Y ☐

N ☒

DA Reference No.

▲ If yes, please attach any conditions relating to electricity where not already provided to Ausgrid.

Do you wish to underground/relocate electricity assets in conjunction with this connection application?

Y ☐

N ☒

► If yes, please provide details in section 11, or on a separate paper

### 11. Comments and Additional Information (if applicable)

(e.g. References to similar existing installations, supporting information. Attach information on a separate paper if there is insufficient space below)

THE SCHOOL IS PLANNING THE CONSTRUCTION OF A NEW MUSIC AND DRAMA CENTRE OF 2494 SQ. METRES AND ESTIMATED MAXIMUM DEMAND 280 AMPS PER PHASE. SUPPLY WILL BE TAKEN FROM THE EXISTING MAIN SWITCHBOARD AND SUBSTATION S35764.

PLEASE CONFIRM THAT THE EXISTING SUPPLY HAS ADEQUATE CAPACITY TO SERVE THE ADDITIONAL LOAD.



Street Address of the Premises (to be completed by applicant) \*

Post Code\*

10-12 REDMYRE ROAD STRATHFIELD 2135

## 12. Signatory

Signatory should be the person named in Section 3, ie the Connection Applicant.

Where this application requests an expedited connection, I declare that I have read and understood the terms and conditions of the connection offer referred to in section 9 (including the Connection Offer Summary) 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.

Signatory Name\*

PETER MATTHEWS

Signatory Position\*

DIRECTOR

Signature of Connection Applicant\*

*Peter J. Matthews*

Date signed by the Connection Applicant\*

07 / 05 / 2019

### Attachment Checklist:

Tick if done

No of pages

Remarks

This Connection Application form	<input checked="" type="checkbox"/>	6	Ensure all fields marked with * are filled in
AS/NZS3000 maximum demand worksheet	<input type="checkbox"/>	6	Refer to question 5(xiii)(c)
Connection Application for Embedded & Standby Generation Form NECF-04	<input type="checkbox"/>		Required if you answered "Y" in question 5(vii)(b)
Development Plans	<input type="checkbox"/>		Attach if available
Location Diagram (if space in Section 7 is inadequate)	<input type="checkbox"/>	1	
Conditions of consent to your Development Application	<input type="checkbox"/>		Refer to Section 10
Other (please specify) _____	<input type="checkbox"/>		
Other (please specify) _____	<input type="checkbox"/>		
<b>TOTAL*</b>		<b>8</b>	

If this application is incomplete in a material respect or if Ausgrid requires more information, Ausgrid will not process the application until you provide the relevant information. If you do not supply the requested information within 12 months, this application will lapse.



