

Electricity Supply in the Illawarra Region

A significant amount of the Illawarra region underwent a modern form of development 50-80 years ago. Accordingly, when electricity supply infrastructure was initially built it was designed to serve the electricity demand of a much smaller population. As the Illawarra's population continues to grow the demand for electricity has also grown. However, in many older areas of the region the infrastructure (lines, poles, sub stations etc) does not have the spare capacity to service this demand. Integral Energy therefore needs to ensure that they can plan for this increase in demand before the population generates this demand. The only way they can do this is to know very early on in the development design process what the demand will be in that area in the future.

What does this mean to my Development?

In order to ensure that Integral Energy knows about developments early so that they can plan for any increase in demand, developers will need to obtain written confirmation from Integral Energy that they have been consulted concerning the proposed development. This ideally should be done prior to lodgement of the development application.

What Development does this apply to?

Written confirmation only relates to developments of:

- Three (3) residential units and greater; OR
- Commercial/industrial developments being new or where load is increasing;
- Three (3) community title or strata subdivision applications and greater;
- All rural developments;
- All Torrens subdivision applications

The written confirmation letter is **NOT** required for developments such as a shop fit out, café, outdoor eating, storage shed for industrial developments and the like.

It only applies to those commercial/industrial developments that are intensifying the use of the site and therefore for potentially the demand for electricity. Should you have any doubt as to whether it is required, contact the Contestable Works Officer at Integral Energy.

What Is Written Confirmation?

Written confirmation is a letter from Integral Energy stating that they have reviewed the proposal and have made satisfactory arrangements with the developer regarding the provision of electricity to the development. Written confirmation may require that the developer provide electricity infrastructure or allow sufficient space for installation at a later date.

Written confirmation should ideally be supplied at lodgement. However it may be submitted prior to the issue of a construction certificate.

How do I go about obtaining Written Confirmation?

In order to obtain this letter from Integral Energy you are advised that you should send a copy of your plans, details of your development and an Integral Energy application form to the following address in order to receive the written confirmation letter.

This should be done as soon as possible. Should reticulation works need to be constructed, the time involved in obtaining your compliance certificate will depend on how long it takes you to have the necessary works designed, constructed, inspected and assets transferred to Integral Energy for ongoing maintenance.

Local Contact: Integral Energy

Attn: Contestable Works Officer – Network Connection
Tel: 4252 2980
Fax: 4252 2892

Head Office: Integral Energy

Attn: Contestable Works Officer – South Coast Region
PO Box 6336
BLACKTOWN NSW 2148

Please send all correspondence to the above address so that it can be registered by Integral Energy.

Disclaimers

This information was believed to be correct at the date of its publication.

This information is for general information purposes only and should not be relied upon for legal advice.

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(refer to page below)



APPLICATION FOR CONNECTION OF LOAD (FOR NEW AND EXISTING SERVICES)

Please return the completed form to:

Mail: Integral Energy, Network Connections, PO Box 6366, BLACKTOWN NSW 2148

Facsimile: Contestable Works Administrator, Network Connections, (02) 9853 5045 – Blacktown

OR (02) 4252 2892 – Coniston

* **Application should be submitted allowing minimum of 12 weeks prior to the required supply date.**

This form should be used for the following cases:

- * *Application* for supply to a new or redeveloped site for multiple unit residential development (ie multiple storey, home units, townhouses or strata units) and multiple industrial units.
- * *Application* of load or supply for a non-urban (rural) zoned allotment.
- * *Application* of load or supply where maximum demand exceeds 100 amps and is within a declared urban area.

Reason for Application: (new house, Pre-DA, 3 phase upgrade, separation of supply, etc)
.....

Site Details: Lot & DP No/..... Street No Street Name:.....

Suburb: Post Code: UBD Map No: Reference:

Type of Development (ie commercial – XYZ Shop):

Nearest Substation No: Adjacent Pole No: Pillar No:

Builders Service Existing Service Existing Meter Number:

Specify the Land Zoning: **Date Supply is Required:**/...../.....

(For Land Zoning refer to local Council, Development Application or Rate Notice. Submit with *Application*).

* **For industrial commercial, dual occupancy and multi-residential developments (including non-urban developments), a site plan will be required showing the proposed development and strata plan along with the Development Approval (DA) from Council.**

Owner/Developer's Details:

Name/Company: Fax No:

Contact Person: Mobile No: Tel No:

Address:

Applicants Details:

Name/Company: Fax No:

Lot/Street No: Street Name: Suburb: Post Code:

Contact Person: Mobile No: Tel No:

Integral Energy may check my (Developer/Developer's Representative credit standing.

I request an Integral Energy, Asset Management design quotation. Yes No

Contact details may be released to other customers with similar works in progress nearby. Yes No

* Refer General Terms and Conditions Clause 1.4.2 Privacy

Office use only: CAP Number: File Number:

WARNING – PREMATURE EXPENDITURE

No commitments or payments (eg contractual arrangements) should be made for designs, materials or works until receipt of advice about the terms and conditions of the network connection and supply contract that will apply to this supply.

Other details Integral Energy require as part of the load details:

- Any motors above 10kW. Include starting current and starting method.
- Floor areas for commercial, shopping centres, warehouses, retail outlets, industrial units.
- Floor area(s) of buildings, which are air-conditioned.
- The size/capacity of the air conditioning unit.
- Manufacturing or fabrication units which may result in large surges of current during operation.
- Welding or spot welding units.
- Equipment that may generate harmonics such as X-ray machines/electronic motor controllers.
- Generators that may be connected to Integral Energy’s electrical network.
- Power factor.
- Gas system details, if it is installed.

Load Details: (to be completed by an electrician or electrical consultant). Please include new load details in table below. Alternatively, full calculations for the determination of the maximum demand can be attached.

Non-Motor Load Details			Motor Details		
Item	Number or Size	Rating – Amps/kW	Machine Description	Rating – kW	Phases
Power Points: Equivalent single units					
Lights					
Range (Stove)			Floor Area	m²	VA/m²
Water Heater Normal/Off-Peak			Bldg 1		
Fixed Space Heating			Bldg 2		
Floor Heating			Bldg 3		
Air conditioning - Motor size			Calculated Maximum Demand (if applicable)	Amps	Volts
Lifts			For additional load only		
Other			Existing load		

Load Details prepared by: **Electrician/Electrical Consultant**

Applicant’s Statement:

- I submit the preceding information and wish to be advised of Integral Energy’s requirements.
- Work has not yet commenced that would impact on Integral Energy’s existing assets.
- I agree that at all times, this application is subject to Integral Energy’s current *General Terms and Conditions*.
- I acknowledge that I have read the current *General Terms and Conditions* and am familiar with its contents.
- I agree to complete a *Letter of Intent* (for construction) as required by the *General Terms and Conditions*.
- I agree to transfer to Integral Energy ownership of the distribution electricity network constructed in public roads to within an easement on satisfactory completion.

The signatory warrants that he/she is authorised to execute this application on behalf of the land owner.

Applicant’s Signature: Applicant’s Name:

Date of Application:/...../.....

Note: • Integral Energy reserves the right to disconnect unauthorised connections of load and take appropriate action.