



ABN 89 064 651 109

# Powercor Australia Ltd Supply Proposal Request Form - Pumping

Please return this form to one of the Powercor offices on the attached list.

Telephone: 13 22 06

Thank you for your inquiry regarding the availability of a Powercor electricity supply. To assist customers in deciding to undertake electricity connection or augmentation of their existing supply we have attached to this form a sheet that provides indicative powerline construction costs. These costs are based on average costs of typical minor projects. If, after reviewing these indicative costs, you wish to obtain further assistance or a firm cost from Powercor please complete all details on pages 1 to 3 of this form and return them to the nearest Powercor Office. Upon receipt of the completed pages Powercor will be pleased to either:-

- A) Provide a firm price for making an electricity supply available to your property in an **Offer for Network Connection Services**; or
- B) Provide a **Budget Estimate** as an approximate cost only for making an electricity supply available to your property. Once you have been advised of the budget estimate cost, and if you then decide to proceed, you will be required to make a written request for an **Offer for Network Connection Services**.

If you definitely intend to connect an electricity supply, have commenced site work, or will shortly commence site work, it is suggested that you request an Offer to avoid the time delay in preparing a Budget Estimate.

When you request an Offer for Network Connection Services, Powercor conducts an initial assessment to determine if there is sufficient design certainty to provide the Offer. If design certainty does not exist then preliminary work will be required before an offer can be prepared. We will provide you with a separate quotation and Agreement for your payment and acceptance before we proceed with your preliminary design work. Preliminary design costs are non-refundable and are separate from the Offer for Network Connection Services. Please note that where easements are required from neighbouring properties significant delays can occur before an Offer can be made.

Should you require any assistance in completing this form please do not hesitate to call one of our Customer Project Advisers on 13 22 06.

Please tick your Option:    **A) Firm Offer:** YES     **OR**    **B) Budget Estimate:** YES

### Contact Details :

Customer / Company Name  
 (for invoice payments and names on contracts) : \_\_\_\_\_  
 Australian Business Registration (ABN) No : (if applicable) \_\_\_\_\_  
 Contact Name : \_\_\_\_\_ Business phone : \_\_\_\_\_  
 Home phone: \_\_\_\_\_ Mobile phone: \_\_\_\_\_ Facsimile : \_\_\_\_\_  
 Registered Business Address : \_\_\_\_\_ Post Code : \_\_\_\_\_  
 Postal Address : \_\_\_\_\_ Post Code : \_\_\_\_\_  
 Email : \_\_\_\_\_

### Property Details :

Property Owners Name/s : \_\_\_\_\_  
 Road Name : \_\_\_\_\_ Town / Location : \_\_\_\_\_  
 Crown Allotment : \_\_\_\_\_ Section: \_\_\_\_\_ Parish : \_\_\_\_\_  
 Melway Reference : \_\_\_\_\_ Vic Roads or CFA Reference : \_\_\_\_\_  
 Subdivision Name : \_\_\_\_\_ No : \_\_\_\_\_ Lot : \_\_\_\_\_  
 ( If an electricity supply is already existing please provide ) :  
 Meter Number : \_\_\_\_\_ NMI Number : \_\_\_\_\_ Account Number : \_\_\_\_\_  
 What date will your installation be completed and ready for supply? \_\_\_\_\_  
 (Please do not put "As soon as possible")

Do you own the property? YES  NO     Do you have a building permit? YES  NO

## What Electrical Supply Capacity Do You Want?

Your Registered Electrical Contractor can assist you to provide the following information.

### Tick number of phases required

One Phase, 2 wire	<input type="checkbox"/>
Two Phase, 3 wire	<input type="checkbox"/>
Three Phase, 4 wire	<input type="checkbox"/>

### Insert Diversified Amps required per phase

Diversified amps per phase
Diversified amps per phase
Diversified amps per phase

Some equipment, such as motors, may cause system interference particularly when starting - please provide the starting method to be used for each motor rated over 3.75 kW.

### Pumping Details:

Method of Irrigation:      Spray:       Flood:       Trickle:

Type of Crop: \_\_\_\_\_

Licence to pump  or Permit to pump   Megalitres per annum  
 from Channel  or River  or Bore

Size of motor:	_____	kW
Quantity of water delivered by pump:	_____	Litres/second
Total Head:	_____	metres
Area to be watered each year:	_____	ha
Depth of water to be applied each year:	_____	mm
Quantity of water to be applied each year:	_____	Megalitres
Months in which watering will be done:	_____	
Number of waterings per annum:	_____	
Millimetres per watering:	_____	
Time to complete one watering of total area:	_____	
Usual time of watering (hours of the day):	_____	
Percentage of pumping in the off-peak hours:	_____	

Name of Registered Electrical Contractor or Consultant: \_\_\_\_\_ Telephone No : \_\_\_\_\_

### Approximate Rules:

$$\text{Power (kW)} = \frac{\text{Quantity (litres / sec)} \times \text{head (metres)}}{102 \times \text{efficiency}}$$

Example:      Pump delivery = 80 litres/sec  
                  Total head = 10 metres  
                  Pump efficiency = 0.7 (70%)      kW =  $\frac{80 \times 10}{102 \times 0.7} = 11.2 \text{ kW}$

If drive is 90% efficient, power at motor shaft = 11.2 / 0.9 = 12.5 kW

## **Property and Installation Location Sketch :**

To provide timely and accurate answers to your questions about cost we need to be able to accurately locate your property and, in the case of large rural properties, also identify the location of your proposed installation on the property. A copy of your title or subdivision plan will assist greatly in identifying your property. If you are buying a property, the estate agent may be able to assist with a copy of the title or subdivision plan. In the event a property boundary is not clearly defined the prospective customer shall be responsible for clearly identifying that boundary.

**Sketch** - Please supply a detailed sketch below or attach a sketch to this form. Refer attached example.

**To avoid delays and requests for more detail please check you have shown -**

- property location
- dimensions
- buildings existing & new
- north point
- distance to nearest pole
- pole number if known
- road names

## **What Happens After You Submit This Form :**

Upon receipt of all the completed pages we will determine the best way to supply electricity to the property, and provide you with an estimate of any costs or conditions to be met by you to make a supply of electricity available to your property.

If we advise you that an extension or augmentation of Powercor's system is required to make supply available to your property it will be necessary for you to complete a **Customer Option Selection** form, and then to complete Powercor's contracts before any construction works commence. Please note that where easements are required from neighbouring properties significant delays can occur before an Offer can be made.

At present, where Powercor does all the work, heavy demand means that from the conclusion of all contractual negotiations (and subject to third party and weather constraints) typically a 6 to 9 month lead time will be required to finalise the design work, arrange material manufacture and delivery, allocate labour and equipment, and complete all planning processes before the supply can be made available at the point of supply for your property. We recommend that you tell us as soon as you know your project is proceeding, and that you allow for this lead-time in your planning now. The installation of underground pits alone can be arranged with much shorter lead times.

## **Please Sign Below and Return Pages 1 to 3 of this Form :**

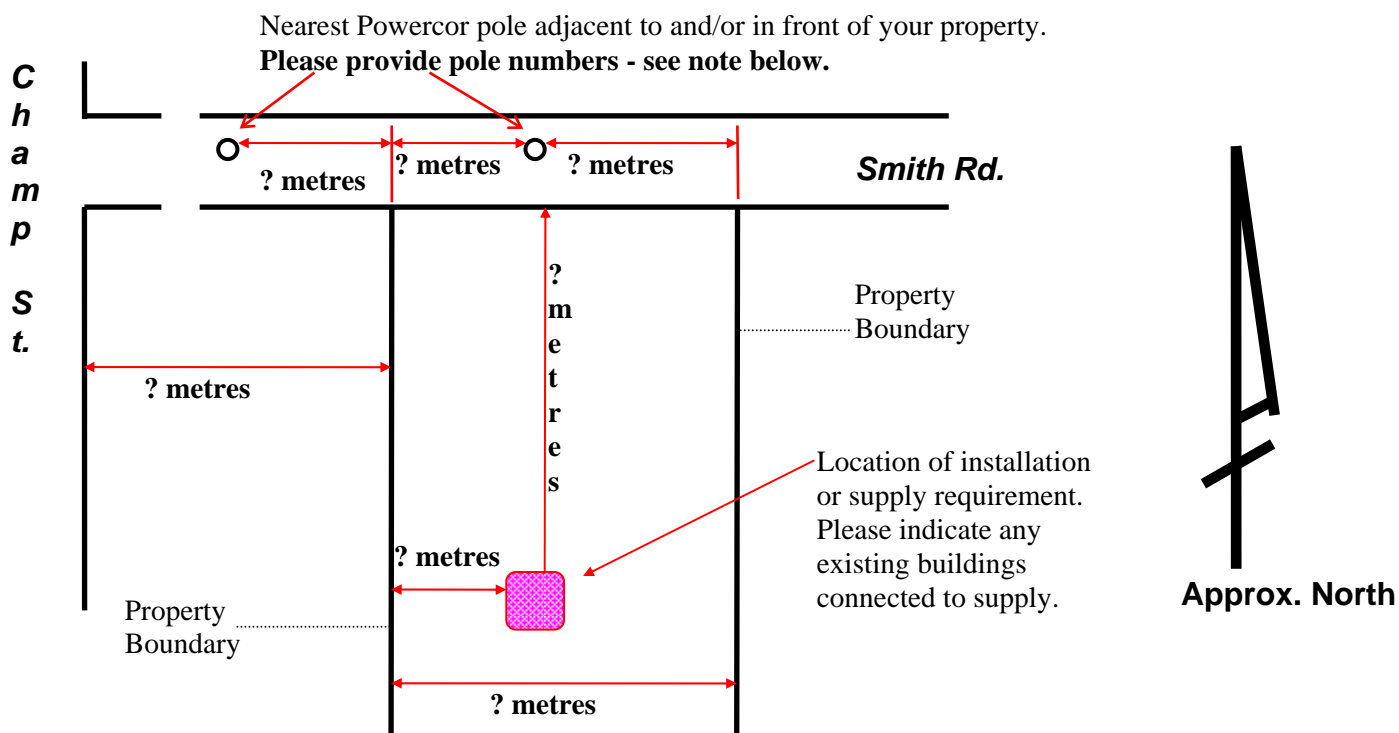
I / We understand that this request is for an Electricity Supply to a point of supply to be nominated by Powercor and that I / We will need to engage a Registered Electrical Contractor to arrange connection of supply. I / We also acknowledge that electricity will not be connected until the electrical installation meets Powercor Australia's Service & Installation Rules and has a Certificate of Inspection completed in accordance with the Chief Electrical Inspector's Certificate of Electrical Safety System.

Signed : \_\_\_\_\_ Date : \_\_\_\_\_

**Customer / Company Representative (for invoice payments and names on contracts)**

## Example of Sketch Details Requested

The location sketch of your property should provide the detail shown in the example below. The correct information will assist Powercor to locate your property against the existing electricity distribution system.



### Pole Numbers

Every Powercor pole has an individual number. This number is either made of **plastic** - black numbers on a yellow background - or a **strip of aluminium** (8mm x 50mm) with numbers stamped into it. The number is normally attached to the pole approximately 1.6 metres from ground level.

Note: On some poles there may be a round and/or square metal tag- the pole number is **NOT** on this tag.

It may be of assistance if you include photos of the nearest pole/s, and any significant features (eg. trees, buildings, obstructions)

### Further information and photos

If there are existing objects, e.g. rows of trees, existing buildings, which you consider may have an impact on an electricity supply extension (if required) to your property, please include details on the sketch. Photos may also be provided to show these objects.

## **IMPORTANT NOTICE CONCERNING YOUR PRIVACY**

In accordance with the Privacy Act 1998 (Commonwealth), Powercor Australia would like you to know that any personal information that we collect from you will be used only for the purposes of providing you with an electricity supply.

We may need to give the personal information that we collect from you to other participants in the electricity industry such as your electricity retailer, the National Electricity Market Management Company (NEMMCO), or other agents or sub-contractors who work for Powercor Australia including meter readers, etc. We will only give your personal information to other parties in order to provide you with your electricity supply.

If you do not provide us with the personal information that we require, we will not be able to provide you with the supply of electricity.

Of course you are able to obtain access to the information that we hold about you at any time by ringing 13 22 06. We can also send you a copy of our Privacy Policy if you request, or you can obtain a copy on our website at [www.powercor.com.au](http://www.powercor.com.au).

### **Powercor Australia Office Locations for arranging connection of supply**

	<b>Postal Address</b>	<b>Office Location</b>
<b>Ardeer</b>	Locked Bag 6, Sunshine 3020 Email: customerprojectsardeer@powercor.com.au	740-742 Ballarat Rd, Ardeer Telephone: (03) 8363 8285 Fax: (03) 8363 8201
<b>Ballarat</b>	PO Box 572, Ballarat 3353 Email: customerprojectsballarat@powercor.com.au	Norman St, Wendouree Telephone: (03) 5327 2454 Fax: (03) 5331 9139
<b>Bendigo</b>	Private Bag 8004, Bendigo 3550 Email: customerprojectsbendigo@powercor.com.au	601-611 Napier St, Epsom Telephone: (03) 5440 5804 Fax: (03) 5440 5795
<b>Geelong</b>	PO Box 185, Geelong 3220 Email: customerprojectsgeelong@powercor.com.au	Roseneath St, North Geelong Telephone: (03) 5240 7511 Fax: (03) 5240 7751
<b>Mildura</b>	PO Box 544, Mildura 3502 Email: customerprojectsmildura@powercor.com.au	Eleventh St, Mildura Telephone: (03) 5022 5902 Fax: (03) 5022 5991
<b>Shepparton</b>	PO Box 6141, Shepparton 3632 Email: customerprojectsshepparton@powercor.com.au	8-10 Wheeler St, Shepparton Telephone: (03) 5820 2601 Fax: (03) 5820 2695

You can return your completed Supply Proposal Request form by post or fax to one of the above offices.

#### **More Information**

Detailed information about the process of making an electricity supply available to your property and the associated costs are available at [www.powercor.com.au](http://www.powercor.com.au).

Alternatively, call Powercor on 13 22 06 to request a copy of our **Customer Guideline for Making an Electricity Supply Available to your Property**.

# Customer's Selection Guide – Indicative Powerline Construction Costs

To assist customers in deciding to undertake electricity connection or augmentation of their existing supply the following are indicative powerline construction costs.

<b>Typical Minor Project Types</b>		<b>Average Project Costs (Rounded) (inc GST)</b>
Please select from the list below, one or a combination of typical projects that you believe closely matches your requirements. For example you may combine a minor overhead extension (g) with an underground pit (a). Typically a maximum allocated capacity of 10 kW (40 amps total) is provided.		Prices at Aug 2011
a	240 volt cable and pit off existing <u>overhead</u> low voltage line, up to 10 metres, excluding road boring.	<b>\$ 3,000</b>
b	240 volt cable and pit off existing <u>overhead</u> low voltage line, up to 100 metres, excluding road boring.	<b>\$ 10,000</b>
c	240 volt cable and pit in <u>underground</u> estate, up to 10 metres, excluding road boring.	<b>\$ 6,000</b>
d	240 volt cable and pit in <u>underground</u> estate, including road boring.	<b>\$ 7,500</b>
e	Single phase rural substation on existing pole.	<b>\$13,500</b>
f	Three phase rural substation on existing pole.	<b>\$18,500</b>
g	Minor High Voltage overhead extension (Rural) up to 250 metres, <u>single</u> phase and substation.	<b>\$22,500</b>
h	Minor High Voltage overhead extension (Rural) up to 250 metres, <u>three</u> phase and substation.	<b>\$28,500</b>
i	High Voltage extension (Rural) up to 250 metres <u>underground</u> , <u>single</u> phase and substation. (This option is chosen because of non removable or dense vegetation)	<b>\$70,000</b>
j	Increase existing transformer capacity up to 50 kW (200 amps total) <u>single</u> phase (no line work)	<b>\$13,000</b>
k	Increase existing transformer capacity up to 63 kW (250 amps total) <u>three</u> phase (no line work)	<b>\$17,500</b>
l	Convert existing <u>single</u> phase transformer to <u>three</u> phase up to 63 kW (250 amps total) (no line work)	<b>\$17,500</b>

These prices are **indicative only** and are based on average costs of typical minor projects. They do not include Powercor's contribution towards construction costs (if any), or any allowances for other works that may be required by Powercor or others required to complete your project or compliance with the **Aboriginal Heritage Act**, (minimum commencement costs exceed \$10,000). Any existing assets which have been erected within the last 10 years and are to be shared with other properties may attract a "cost sharing rebate" in addition to the above costs. You may also be required to obtain tree clearing permits, arrange, and pay for any clearing, stump treatment, and removal of all debris along the route of the proposed power line, including road reserves and property crossings.

When you request an Offer for Network Connection Services, Powercor conducts an initial assessment to determine if there is sufficient design certainty to provide the Offer. If design certainty does not exist then preliminary work will be required before an offer can be prepared. We will provide you with a separate quotation and Agreement for your payment and acceptance before we proceed with your preliminary design work. Preliminary design costs are non-refundable and are separate from the Offer for Network Connection Services.

Additional detailed information is also available in "Powercor's Customer Guideline for Making an Electricity Supply Available" document which can be viewed and printed from Powercor's web site at [www.powercor.com.au](http://www.powercor.com.au) or a copy obtained by calling 13 22 06.

*Examples of Powercor's Point of Supply*

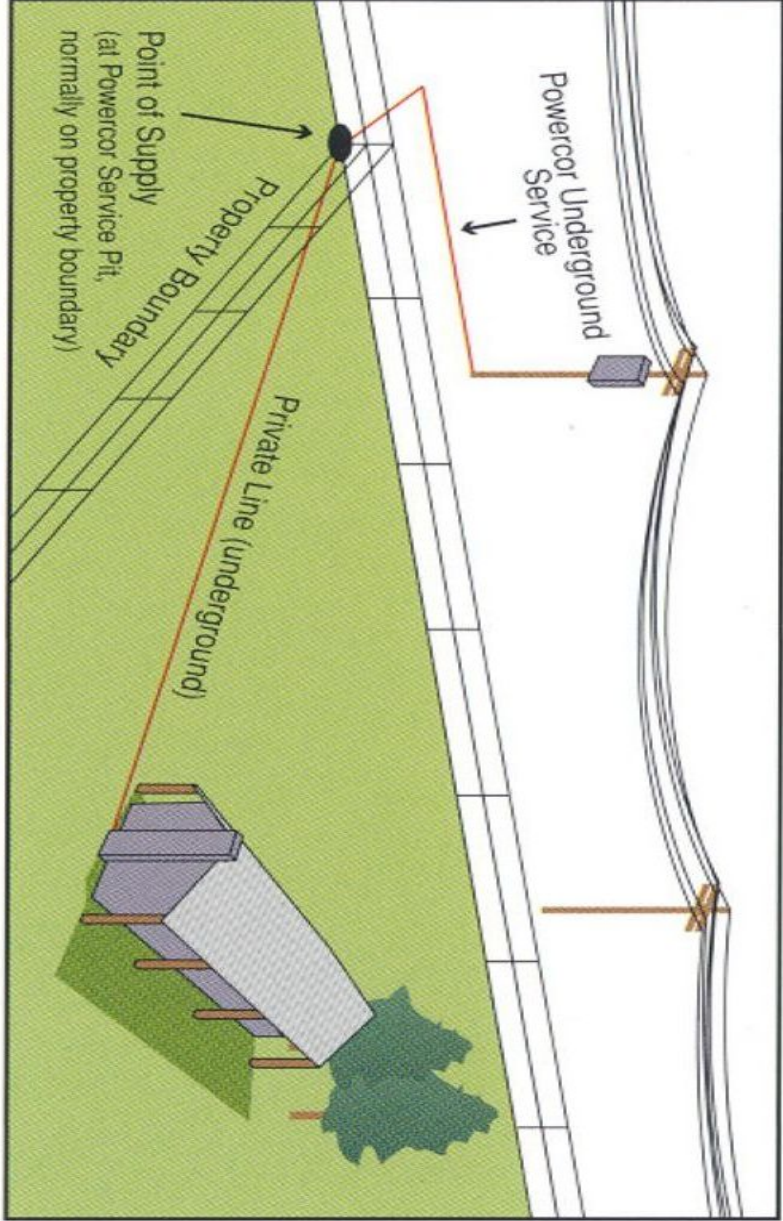


Figure 1

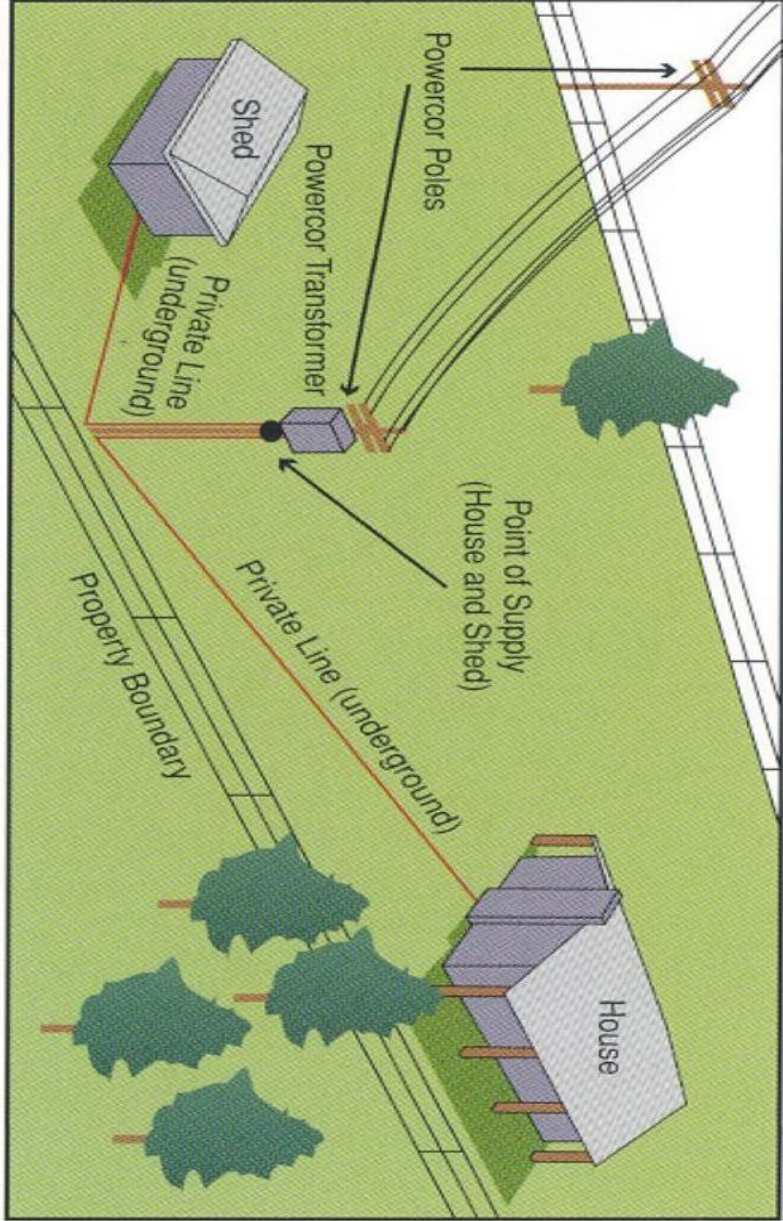


Figure 2