

# Network Price List and Explanatory Notes

## Essential Energy Interim Network Price List (Excluding GST)

Effective 1 July 2015

Tariff Code	Obsolete tariffs on same rate	Description	Network Access \$/Day	Energy All c/kWh	Energy Block 1 c/kWh	Energy Block 2 c/kWh	Energy Block 3 c/kWh	Energy Peak c/kWh	Energy Shoulder c/kWh	Energy Off-Peak c/kWh	Peak Demand \$/kVA/M	Shoulder Demand \$/kVA/M	Off-Peak Demand \$/kVA/M
<b>Residential Tariffs</b>													
BLNN2AU		LV Residential Continuous Block Tariff	0.7705		9.4654	9.1474	8.8295						
BLNT3AU		LV Residential TOU	0.7477					11.7928	11.7928	4.4320			
<b>Controlled Load Tariffs</b>													
BLNC1AU		Controlled Load 1	0.0847	2.4588									
BLNC2AU		Controlled Load 2	0.0847	4.8565									
<b>Export Tariffs</b>													
BLNE21AU		Residential Anytime Export gross metered		0.0000									
BLNE23AU		Residential Anytime Export net metered		0.0000									
BLNE20AU		Business Anytime Export gross metered		0.0000									
BLNE22AU		Business Anytime Export net metered		0.0000									
BLNE0AU		Ineligible Export		0.0000									
BLNE26AU		QLD Government Solar Bonus		0.0000									
BLNE27AU		QLD Government Solar Bonus		0.0000									
<b>Business Tariffs</b>													
BLNN1AU		LV General supply Block Tariff	0.7705		14.2442	11.5691							
BLNT2AU		LV TOU <100MWh	6.1406					12.3964	12.3964	6.1664			
BLNT1AO	BLNT1SR, BLNT1SU	LV TOU <160MWh	6.1406					12.3964	12.3964	6.1664			
BLND3AO	BLND4NO	LV TOU Demand 3 Rate	13.9081					4.4928	4.4928	2.8655	8.1296	8.1296	1.8581
BLNS1AO		LV TOU avg daily Demand	13.9081					4.2210	4.2210	2.7625	8.7211	8.7211	2.1175
BLND3TO		LV TOU Demand Alternative tariff	13.9081					11.2939	11.2939	4.8350	10.1621		
BHND3AO		HV TOU mthly Demand	17.1972					3.3820	3.3820	2.7240	7.0746	7.0746	2.0112
BHNS1AO		HV TOU avg daily Demand	17.1972					3.3820	3.3820	2.7240	7.7125	7.7125	2.1925
BSSD3AO		Sub Trans 3 Rate Demand	17.2592					4.9452	2.9391	2.4574	2.8989	2.0666	0.8238
<b>Unmetered Tariffs</b>													
BLNP1AO	BLNN3AO	LV Unmetered NUOS	0.6693	14.9356									
BLNP3AO		LV Public Street Lighting TOU NUOS	-					14.7761	14.7761	6.6996			
<b>Essential Energy Customer Specific</b>													
Customer specific prices		Subtransmission or Inter Distributor Transfers	Various	Various				Various	Various	Various	Various	Various	Various

Effective 1 July 2015

Network Price List V1

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- 1 -



# Network Price List and Explanatory Notes

## Essential Energy Interim Network Price List (Including GST)

Effective 1 July 2015

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<b>Residential Tariffs</b>													
BLNN2AU		LV Residential Continuous Block Tariff	0.8476		10.4119	10.0621	9.7125						
BLNT3AU		LV Residential TOU	0.8225					12.9721	12.9721	4.8752			
<b>Controlled Load Tariffs</b>													
BLNC1AU		Controlled Load 1	0.0932	2.7047									
BLNC2AU		Controlled Load 2	0.0932	5.3422									
<b>Export Tariffs</b>													
BLNE21AU		Residential Anytime Export gross metered		-									
BLNE23AU		Residential Anytime Export net metered		-									
BLNE20AU		Business Anytime Export gross metered		-									
BLNE22AU		Business Anytime Export net metered		-									
BLNE0AU		Ineligible Export		-									
BLNE26AU		QLD Government Solar Bonus		-									
BLNE27AU		QLD Government Solar Bonus		-									
<b>Business Tariffs</b>													
BLNN1AU		LV General supply Block Tariff	0.8476		15.6686	12.7260							
BLNT2AU		LV TOU <100MWh	6.7547					13.6360	13.6360	6.7830			
BLNT1AO	BLNT1SR, BLNT1SU	LV TOU <160MWh	6.7547					13.6360	13.6360	6.7830			
BLND3AO	BLND4NO	LV TOU Demand 3 Rate	15.2989					4.9421	4.9421	3.1521	8.9426	8.9426	2.0439
BLNS1AO		LV TOU avg daily Demand	15.2989					4.6431	4.6431	3.0388	9.5932	9.5932	2.3293
BLND3TO		LV TOU Demand Alternative tariff	15.2989					12.4233	12.4233	5.3185	11.1783		
BHND3AO		HV TOU mthly Demand	18.9169					3.7202	3.7202	2.9964	7.7821	7.7821	2.2123
BHNS1AO		HV TOU avg daily Demand	18.9169					3.7202	3.7202	2.9964	8.4838	8.4838	2.4118
BSSD3AO		Sub Trans 3 Rate Demand	18.9851					5.4397	3.2330	2.7031	3.1888	2.2733	0.9062
<b>Unmetered Tariffs</b>													
BLNP1AO	BLNN3AO	LV Unmetered NUOS	0.7362	16.4292									
BLNP3AO		LV Public Street Lighting TOU NUOS	-					16.2537	16.2537	7.3696			
<b>Essential Energy Customer Specific</b>													
Customer specific prices		Subtransmission or Inter Distributor Transfers	Various	Various				Various	Various	Various	Various	Various	Various

Effective 1 July 2015

Network Price List V1

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# Network Price List and Explanatory Notes

## 1 EXPLANATION OF NETWORK TARIFFS

Tariff	Explanation
<b>BLNN2AU LV Residential Continuous Block Tariff</b>	Premises wholly used as a private dwelling where consumption does not exceed 160 MWh per year. A three step pricing structure applies; <ul style="list-style-type: none"> <li>&gt; Step 1 applies to the first 1,000kWh per 91 days,</li> <li>&gt; Step 2 applies to the consumption greater than 1,000kWh and less than 1,750kWh per 91 days</li> <li>&gt; Step 3 applies to all consumption in excess of Step 2</li> </ul>
<b>BLNT3AU LV Residential TOU</b>	Premises wholly used as a private dwelling where consumption does not exceed 160 MWh per year and they have a TOU capable meter.
<b>BLNC1AU Controlled Load 1</b>	To all residential and business premises where the premise has another primary metering point present at the same metering point as the secondary load and the load is remotely controlled. Applicable to loads such as water heating, swimming pool pumps etc. Loads must be permanently connected or on a dedicated power circuit with indicators to show when supply is available. Supply will be made available for 5 to 9 hours overnight on weekdays and extra hours on weekends except where the load is controlled by a time clock. Note: This tariff is not available for the top boost element of a two element water heater for new connections.
<b>BLNC2AU Controlled Load 2</b>	To all residential and business premises where the premise has another primary metering point present and at the same metering point as the secondary load and the load is remotely controlled. Applicable to loads such as water heating, swimming pool pumps, heat pumps etc. Loads must be permanently connected or on a dedicated power circuit with indicators to show when supply is available. Supply will be made available for 10 to 18 hours per day on weekdays and all hours on weekends except where the load is controlled by a time clock.
<b>BLNE21AU Anytime Export Gross metered</b>	Residential premises with a gross metered export tariff and no rebate applicable
<b>BLNE23AU Anytime Export Net metered</b>	Residential premises with a net metered export tariff and no rebate applicable
<b>BLNE20AU Anytime Export Gross metered</b>	Business premises with a gross metered export tariff and no rebate applicable
<b>BLNE22AU Anytime Export Net metered</b>	Business premises with a net metered export tariff and no rebate applicable
<b>BLNE0AU Ineligible Export</b>	Where application to connect to grid has not yet been approved.
<b>BLNE26AU QLD Government Solar Bonus</b>	QLD Government Solar bonus scheme for eligible residential customers located in Qld but connected to Essential Energy's Distribution Network.
<b>BLNE27AU QLD Government Solar Bonus</b>	QLD Government Solar bonus scheme for eligible business customers located in Qld but connected to Essential Energy's Distribution Network.
<b>BLNN1AU LV General supply Block Tariff</b>	Business premises whose consumption does not exceed 100 MWh per year. A two step pricing structure applies; <ul style="list-style-type: none"> <li>&gt; Step 1 applies to the first 5,000kWh per 91 days,</li> <li>&gt; Step 2 applies to all consumption in excess of Step 1</li> </ul>
<b>BLNT2AU LV TOU &lt;100MWh</b>	Business premises whose consumption does not exceed 100 MWh per year and they have a TOU capable meter.
<b>BLNT1AO LV TOU &lt;160MWh</b>	Only available to business premises whose consumption does not exceed 160 MWh per year.
<b>BLND3AO LV TOU Demand 3 Rate</b>	Business premises whose consumption exceeds 160MWh per year and connected to the LV Distribution System.

Effective 1 July 2015

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# Network Price List and Explanatory Notes

Tariff	Explanation
<b>BLNS1AO LV TOU Avg daily Demand</b>	<p>Available to customers who have a monthly load factor greater than 60% for at least 4 of the most recent 12 months coinciding with a minimum on season anytime monthly demand of 1500 kVA. This is intended for customers with a seasonal demand. Demand Charges will be calculated as follows:</p> <ol style="list-style-type: none"> <li>1. The daily kVA maximum demand in each of the Peak, Shoulder and Off Peak periods will be metered for each day of the month.</li> <li>2. The metered kVA Demand for each day of the Peak, Shoulder and Off-Peak periods will be summed for the month and divided by the number of days in the month when the load occurs. This means that Peak and Shoulder Demand will be divided by the number of week days, and Off Peak Demand by the total number of days.</li> <li>3. The average TOU Demand calculated above will be multiplied by the TOU Demand rates.</li> <li>4. No adjustments to billable demand shall be made for pre-season "test runs".</li> </ol>
<b>BLND3TO LV TOU Demand Alternative Tariff</b>	<p>The Demand Charge is based on the highest measured half-hour kVA demand registered in either the peak or shoulder periods during the month.</p>
<b>BHND3AO HV TOU Mthly Demand</b>	<p>Business premises whose consumption is connected to the HV Distribution System and metered at HV.</p>
<b>BHNS1AO HV TOU Avg daily Demand</b>	<p>Business premises whose consumption is connected to the HV Distribution System and metered at HV. Available to customers who have a monthly load factor greater than 60% for at least 4 of the most recent 12 months coinciding with a minimum on season anytime monthly demand of 1500 kVA. (The minimum demand and load factor requirements will be waived where a generator supports a substantial part of the load on the load side of the meter.) This is intended for customers with a seasonal demand. Demand Charges will be calculated as follows:</p> <ol style="list-style-type: none"> <li>1. The daily kVA maximum demand in each of the Peak, Shoulder and Off Peak periods will be metered for each day of the month.</li> <li>2. The metered kVA Demand for each day of the Peak, Shoulder and Off-Peak periods will be summed for the month and divided by the number of days in the month when the load occurs. This means that Peak and Shoulder Demand will be divided by the number of week days. Off Peak Demand by the total number of days.</li> <li>3. The average TOU Demand calculated above will be multiplied by the TOU Demand rates.</li> <li>4. No adjustments to billable demand shall be made for pre-season "test runs".</li> </ol>
<b>BSSD3AO Sub Trans 3 Rate Demand</b>	<p>Applicable to connections at a subtransmission voltage as defined by Essential Energy. Please note that this tariff is not applicable for connection to dual purpose subtransmission/distribution circuits</p>
<b>BLNP1AO LV Unmetered NUOS</b>	<p>Refer to Unmetered Supply section 2 Definitions. All new unmetered supply connections will have this tariff applied.</p>
<b>BLNP3AO LV Public Street Lighting TOU NUOS</b>	<p>Refer to Unmetered Supply section 2 Definitions. All new public street lighting connections will have this tariff applied.</p>
<b>Customer specific prices Subtransmission or Inter Distributor Transfers</b>	<p>Refer Explanatory Notes 1.7 Customer Specific (cost reflective network prices)</p>

Effective 1 July 2015

Network Price List V1

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# Network Price List and Explanatory Notes

## Essential Energy Interim Network Price List (Excluding GST)

Effective 1 July 2015

Obsolete Tariff Code	Description	Network Access \$/Day	Energy Peak c/kWh	Energy Shoulder c/kWh	Energy Off-Peak c/kWh	Demand Charge \$/kVA/M	Peak Demand \$/kVA/M	Shoulder Demand \$/kVA/M	Off-Peak Demand \$/kVA/M	Capacity Charge \$/kVA/M	Application
<b>Obsolete Tariffs - Not applicable to new connections</b>											
BLND1CO BLND1NO	LV TOU Demand 1 Rate	17.9324		6.0490	6.0490	3.3089	13.3483				Generally for larger business use whose consumption exceeds 100 MWh per year. The charges include a monthly maximum demand charge. The maximum demand charge is metered on a half hour basis in kVA, which reflects the customer's power factor. New customers should be connected on BLND3AO.
BLND1SR	LV 1 Rate Demand Sth Rural	13.9081		11.1312	11.1312	4.6037	8.8058			3.2275	To all premises whose demand exceeds 72 kVA. New customers should be connected on BLND3AO.
BLND1SU	LV 1 Rate Demand Sth Urban	3.6957		12.4404	12.4404	5.7757	8.8058			3.2275	To all premises whose demand exceeds 72 kVA. New customers should be connected on BLND3AO.
BHND1CO	HV 1 Rate Demand Cent Urban TOU	23.6481		6.3473	6.3473	3.3908	9.2581				For larger business metered at HV Distribution System. The charges include a monthly maximum demand charge. The maximum demand is metered on a half hour basis in kVA, which reflects the customer's power factor. New customers should be connected on BHND3AO.
BHND1SO BHTD1SO	HV 1 Rate Demand Sth Urban	17.1972		5.9347	5.9347	4.4606	6.8037			2.6310	To business premises whose consumption is connected to the HV Distribution System. New customers should be connected on BHND3AO.
Obsolete Tariff Code	Description	Network Access \$/Day	Energy All c/kWh	Application							
<b>Obsolete Tariffs - Not applicable to new connections</b>											
BLNE2AU	NSW Solar Bonus Scheme Net		-60.0000	NSW Solar bonus scheme rebate for net metering introduced by the NSW Government and applicable to residential customers who submitted an application on or before 18th November 2010 and purchased a system on or before 27th October 2010. Refer to Section 1.1 for GST application.							
BLNE4AU	NSW Solar Bonus Scheme Gross		-60.0000	NSW Solar bonus scheme rebate for gross metering introduced by the NSW Government and applicable to residential customers who submitted an application on or before 18th November 2010 and purchased a system on or before 27th October 2010. Refer to Section 1.1 for GST application.							
BLNE1AU	NSW Solar Bonus Scheme Net		-60.0000	NSW Solar bonus scheme rebate for net metering introduced by the NSW Government and applicable to business customers who submitted an application on or before 18th November 2010 and purchased a system on or before 27th October 2010. Refer to Section 1.1 for GST application.							
BLNE3AU	NSW Solar Bonus Scheme Gross		-60.0000	NSW Solar bonus scheme rebate for gross metering introduced by the NSW Government and applicable to business customers who submitted an application on or before 18th November 2010 and purchased a system on or before 27th October 2010. Refer to Section 1.1 for GST application.							
BLNE11AU	NSW Solar Bonus Scheme Net		-20.0000	NSW Solar bonus scheme rebate for net metering introduced by the NSW Government and applicable to business customers who joined the scheme after 18th November 2010 or purchased a system after 27th October 2010. Refer to Section 1.1 for GST application. Discontinued from 1 April 2011.							
BLNE13AU	NSW Solar Bonus Scheme Gross		-20.0000	NSW Solar bonus scheme rebate for gross metering introduced by the NSW Government and applicable to business customers who joined the scheme after 18th November 2010 or purchased a system after 27th October 2010. Refer to Section 1.1 for GST application. Discontinued from 1 April 2011.							
BLNE12AU	NSW Solar Bonus Scheme Net		-20.0000	NSW Solar bonus scheme rebate for net metering introduced by the NSW Government and applicable to residential customers who joined the scheme after 18th November 2010 or purchased a system after 27th October 2010. Refer to Section 1.1 for GST application. Discontinued from 29 April 2011.							
BLNE14AU	NSW Solar Bonus Scheme Gross		-20.0000	NSW Solar bonus scheme rebate for gross metering introduced by the NSW Government and applicable to residential customers who joined the scheme after 18th November 2010 or purchased a system after 27th October 2010. Refer to Section 1.1 for GST application. Discontinued from 29 April 2011.							
BLNE30AU	NSW Solar Bonus Scheme Retailer Contribution		5.1000	NSW Solar bonus scheme retailer contribution applicable to retailers who have customers on the Solar bonus scheme. Refer to Section 1.1 for GST application. From IPARTs Solar Feed-in Tariffs, dated June 2014. To be confirmed by IPART							
BLNE24AU	QLD Government Solar Bonus Scheme		-44.0000	QLD Government Solar bonus scheme rebate for eligible residential customers located in Qld but connected to Essential Energy's Distribution Network. Discontinued 9 July 2012.							
BLNE25AU	QLD Government Solar Bonus Scheme		-40.0000	QLD Government Solar bonus scheme rebate for eligible business customers located in Qld but connected to Essential Energy's Distribution Network. Discontinued 9 July 2012.							

Effective 1 July 2015

Network Price List V1

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Effective 1 July 2015

Obsolete Tariff Code	Description	Network Access \$/Day	Energy All c/kWh	Energy Peak c/kWh	Energy Shoulder c/kWh	Energy Off-Peak c/kWh	Demand Charge \$/kVA/M	Peak Demand \$/kVA/M	Shoulder Demand \$/kVA/M	Off-Peak Demand \$/kVA/M	Capacity Charge \$/kVA/M	Application
<b>Obsolete Tariffs - Not applicable to new connections</b>												
BLND1CO BLND1NO	LV TOU Demand 1 Rate	19.7256		6.6539	6.6539	3.6398	14.6831					Generally for larger business use whose consumption exceeds 100 MWh per year. The charges include a monthly maximum demand charge. The maximum demand charge is metered on a half hour basis in kVA, which reflects the customer's power factor. New customers should be connected on BLND3AO.
BLND1SR	LV 1 Rate Demand Sth Rural	15.2989		12.2443	12.2443	5.0641	9.6864				3.5503	To all premises whose demand exceeds 72 kVA. New customers should be connected on BLND3AO.
BLND1SU	LV 1 Rate Demand Sth Urban	4.0653		13.6844	13.6844	6.3533	9.6864				3.5503	To all premises whose demand exceeds 72 kVA. New customers should be connected on BLND3AO.
BHND1CO	HV 1 Rate Demand Cent Urban TOU	26.0129		6.9820	6.9820	3.7299	10.1839					For larger business metered at HV Distribution System. The charges include a monthly maximum demand charge. The maximum demand is metered on a half hour basis in kVA, which reflects the customer's power factor. New customers should be connected on BHND3AO.
BHND1SO BHTD1SO	HV 1 Rate Demand Sth Urban	18.9169		6.5282	6.5282	4.9067	7.4841				2.8941	To business premises whose consumption is connected to the HV Distribution System. New customers should be connected on BHND3AO.
BLNE25AU	QLD Government Solar Bonus Scheme		-44.0000									QLD Government Solar bonus scheme rebate for eligible business customers located in Qld but connected to Essential Energy's Distribution Network. Discontinued 9 July 2012. This solar tariff has GST applied, please refer to Section 1.1 for GST application for other solar tariffs.

Effective 1 July 2015

Network Price List V1

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# Network Price List and Explanatory Notes

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## Explanatory Notes

### 2 APPLICABILITY OF NETWORK CHARGES

The rates in this price list are inclusive of charges levied on Essential Energy by transmission network service providers and government legislation. For example, Essential Energy is required to contribute towards the Climate Change Fund which is used to support energy saving initiatives across New South Wales.

#### 2.1 GOODS AND SERVICES TAX

Subject to the below, the network use of system (**NUOS**) prices and other fees and charges are **exclusive** of the 10% Goods and Services Tax. GST of 10% is added to all NUOS prices and other fees and charges. The NSW Solar Bonus Scheme Rebate is GST inclusive where applicable.

#### 2.2 CHOICE OF NETWORK CHARGES

The rates listed are the rates charged to retailers of electricity for the use of Essential Energy's distribution system. Network charges do not include the cost of energy. It is a matter for the retailer of choice to determine the most economical available Network Tariff. If Essential Energy agrees with the tariff change request made by the retailer, the change will take effect from the most recent meter read for basic metering or from the beginning of the current month for Type 1-4 metering and will not be made retrospectively. All Retailers will be required to fill in the "Request to Change Tariff" form if they require a tariff change on a site, refer to [networktariffchange@essentialenergy.com.au](mailto:networktariffchange@essentialenergy.com.au).

Retailers of choice/customers who choose to transfer off an obsolete tariff will lose all rights to all obsolete

tariffs on that premise, i.e. the entire site will be required to move onto currently available tariffs. Exemptions to this rule are connection of additional services, e.g. if a site that currently has an obsolete General Supply Business tariff on a premise and they have Controlled Load installed (i.e. new circuit, meter and relay); the Controlled Load One will be connected to the current Controlled Load One tariff while the obsolete General Supply tariff will remain.

Essential Energy reserves the right to review a customer's network price in the event of load changes and notify the customer's retailer of any resulting changes. The final decision on the appropriate network price for a customer shall be at the discretion of Essential Energy.

All customers entering the contestable electricity market will normally be transferred to the appropriate network price reflecting the customer's previous regulated retail tariff.

Refer to National Electricity Rules (**NER**) Chapter 6 for rules concerning assigning customers to tariff classes.

#### 2.3 MID-MONTH CHANGE OF RETAILER OF CHOICE

Where customers change their retailer at any time during a calendar month, NUOS invoices will be allocated between the retailers from the actual change date that the transfer went 'Complete' in the market. NUOS invoicing will utilise the 'Actual Reads' acquired from the meter on that date.

Where the NMI is for Unmetered Supply (UMS) only and a change of retailer occurs mid-month, NUOS invoices will be allocated on a pro-rata basis depending on the number of days of the month that the customer was contracted with each retailer. However,

it is preferred and advised that UMS transfer on the 1st day of a calendar month.

#### 2.4 CONTROLLED LOAD

All controlled load equipment for customers that have hot water, process heating or any other approved circuits which are controlled by Essential Energy shall remain a Network asset belonging solely to Essential Energy and as such cannot be removed without permission. Multiple load types (maximum of 3) are permissible on the one relay, with no restrictions on the type of load which may be controlled by a controlled load relay. The load types connected shall not exceed more than 25 Amps resistive, as this will exceed the rating of the load control device. If the connected controlled load exceeds this rating, an additional and suitable contactor must be supplied and installed by the customer.

**Please note:** Controlled Load does not include public holidays.

**Please note:** Where premises are converted to a TOU Tariff, Essential Energy Load Control Devices shall be left to control previously controlled consumer load. An application for alteration must be made by the customer if previously controlled load will no longer be controlled by Essential Energy and the Essential Energy Load devices shall be removed.

Controlled Load One Tariff applies where approved appliances are controlled by Essential Energy's equipment so that supply is generally available for 5 to 9 hours overnight on weekdays and extra hours on weekends except where the load is controlled by a time clock. Controlled Load Two Tariff applies where approved appliances are controlled by Essential Energy's equipment so that electricity is available for 10 to 18 hours per day on weekdays and extra hours on weekends except where the load is controlled by a time clock. Essential Energy reserves the right to vary

# Network Price List and Explanatory Notes

these times to suit network conditions without affecting the customer's usage of the appliances. In slab heating is to be metered and controlled separately to other controlled loads.

All hot water boost facilities are permitted but boost must be metered at primary tariff, and must automatically reset once the thermostat of the hot water service opens. Traditional "Day/Night" switches are NOT permitted. Boost buttons supplied by Essential Energy are **only available on twin element meters**. There will be an additional charge to activate the boost button. **Please note:** This cost does not include the installation cost provided by an accredited service provider.

## 2.5 STANDBY SUPPLY

Where customers such as embedded generators require standby supply, the network charges applicable will be negotiated on the basis of the assets involved and the frequency and duration of use of standby supply.

## 2.6 SUPPLY TO LOW LOAD FACTOR CUSTOMERS

Where a customer's annual load factor (average load divided by maximum load) at a point of supply is less than 15%, the chargeable demand will be based on an assessment of the capacity provided.

## 2.7 SITE SPECIFIC PRICES (COST REFLECTIVE NETWORK PRICES)

A location specific network price may be negotiated with a customer with an electrical demand of greater than 10MW or a load greater than 40GWh per annum. National Electricity Rules (**NER**) clause 6.23 allows customers to make a request of the DNSP to disclose transmission and distribution charges. Please contact Essential Energy for site specific rates.

**Effective 1 July 2015**

Network Price List V1

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## 2.8 SUBTRACTION METERING

Subtraction Metering is not permissible for new connections. The removal of subtraction metering for existing customers should be encouraged where ever possible when an existing site is upgraded. TOU Tariffs are not available to premises with subtractive metering.

## 2.9 PREMISE AMALGAMATION

Premises fed from different substations must have different National Market Identifiers.

## 2.10 ANCILLARY NETWORK SERVICES

Ancillary Network Services are as set out in Attachment 16 of AER's Essential Energy distribution determination for the regulatory control period 2015-16 to 2018-19. Essential Energy's Schedule of charges for these services can be found on Essential Energy's website at:

<http://www.essentialenergy.com.au/networkpricing>

Document: Ancillary Network Services schedule of charges.

## 3 DEFINITIONS AND INTERPRETATION

**BUSINESS PREMISES** are generally factories, warehouses, hotels, motels, shops, offices, schools, sporting and social clubs, and do not meet the residential criteria.

**CAPACITY CHARGES** are monthly charges based on the required capacity of the connection (measured in \$/KVA) whereby the charges are applied to the maximum half hourly KVA power reading that occurred at a customer's connection point over the 12 months prior to a bill being calculated. Demand is rounded up to 20, 40, 60, 80, 100, 150, 200, 300, 400, 500kVA and so on in 100kVA increments.

**DISTRIBUTION LOSS FACTORS** are used by the retailer in the market settlement process to add to the energy consumed by the customer, an amount equivalent to the average energy losses for the applicable network price category. Loss factors are not applied to network charges and are available on AEMO's website at:  
<http://www.aemo.com.au/electricityops/0171-0004.html>

**MAXIMUM DEMAND (KVA) FAR WEST REGION** is the highest 30 minute block calculation per monthly settlement period of the vector sum of kW and kVAr, or, if unavailable, by the highest 30 minute block kVA information. 30 minute blocks are timed per hour and half hour on the meter clock.

**MONTHLY LOAD FACTOR** is the ratio of consumption in kWh divided by the product of the maximum load in kW and the number of hours during the billing period, generally monthly. If the data is available other than monthly, the data will be prorated on a monthly basis.

**NATIONAL METERING IDENTIFIER or NMI** is the unique metering identifier assigned to a metering installation. Essential Energy will issue NMIs for each site in accordance with Section 7 of AEMO's "NMI Procedure" document ME\_GN059v005.

**NETWORK ACCESS CHARGE** is a fixed charge applied to each point of connection at which energy or demand is measured reflecting the fixed nature of network operational and asset-related costs. A separate Network Access Charge will apply to each NMI. The Network Access Charge is given as a daily rate in order to facilitate customer transfers.

**NON TOU NETWORK USAGE RATES** is the Non TOU charge (c/kWh) applied to the total energy determined from an energy only meter. A step pricing structure applies to selected non-TOU energy charges.

**OBSOLETE TARIFFS** means tariffs that may apply to existing Essential Energy customers but that are not available to new customers.

# Network Price List and Explanatory Notes

Examples of what can and can't be done for obsolete tariffs:

- 1 If a site is newly connected to the Essential Energy network (Greenfield site) it cannot use an obsolete tariff.
- 2 If a site changes ownership i.e. if Jackson P/L moves out and Matthews P/L moves into a site that was on an obsolete tariff, then the new customer Mathews P/L cannot be connected on the obsolete tariff.
- 3 If a customer who is on an obsolete tariff chooses to move to a non obsolete tariff (i.e. because they think it is more cost effective) then the obsolete tariff is no longer available to them. They cannot transfer back at a later date.
- 4 A site that is connected under one obsolete tariff cannot transfer to another obsolete tariff. The only tariffs available to any site are:
  - a the tariff the site is already on (except where its usage changes so that the site no longer meets the application criteria for the existing tariff), or
  - b any non-obsolete tariff that the site has available to it based on the application criteria of the tariff and limitations of the installed metering.
- 5 Customers who have sites on obsolete tariffs can move off an obsolete tariff at any time. This can be done via the "Request to Change Tariff" form, refer 2.2 Choice of Network Charges above.

**Please note:** that the word obsolete may have a different meaning when applied to Retail tariffs.

**RESIDENTIAL PREMISES** are private dwellings such as a house, flat, home unit, town house or similar, places of worship and include residential sections of boarding houses, nursing homes, hospitals and education institutions, and approved caravan parks, whose consumption does not exceed 160 MWh.

Effective 1 July 2015

Network Price List V1

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**SINGLE RATE DEMAND** the Demand Charge is based on the highest measured half-hour kVA demand during the month. A separate demand will apply at each individual connection point as defined by AEMO's "NMI Procedure" document ME\_GN059v005. Coincident or summated demand from multiple connection points is not permitted without the written approval of Essential Energy.

The Demand Charge for BLND3TO is based on the highest measured half-hour kVA demand registered in either the peak or shoulder periods during the month. The BLND3TO tariff is only available to customers connected to the low voltage network consuming less than 750 MWh per annum.

## SITE SPECIFIC DISTRIBUTION LOSS FACTORS

The NER 3.6.3 states a connection point for an end user with an electrical demand of >10 MW OR a load of >40 GWh per annum shall have a site specific DLF.

**SOLAR BONUS SCHEME (SBS)** The NSW Government's SBS commenced on 1 January 2010. Customers who submitted an application on or before 18 November 2010, purchased a system on or before 27 October 2010 and with gross metering arrangements are paid a feed-in tariff of 60 cents per kilowatt hour for all energy generated and fed back into the grid. Customers with net metering arrangements receive 60 cents per kilowatt hour for all excess renewable energy that is fed into the electricity grid after household or small business needs are met.

Customers who joined the scheme after 18th November 2010 or purchased a system after 27th October 2010, and with gross metering arrangements are paid a feed-in tariff of 20 cents per kilowatt hour for all energy generated and fed back into the grid. Customers with net metering arrangements receive 20 cents per kilowatt hour for all excess renewable energy that is fed into the electricity grid after household or small business needs are met. The 20 cent feed-in tariff was discontinued for applications received after 28 April 2011.

The SBS is no longer open to new applications.

Gross and net metered customers will continue to be charged their existing rate for energy consumption.

Any SBS rebate is GST inclusive, where applicable. Customers should seek independent tax advice as there may be tax implications associated with the supply of electricity to Essential Energy.

Refer to the NSW Trade and Investment website for questions and answers on the SBS.

<http://www.resourcesandenergy.nsw.gov.au/energy-consumers/solar/solar-faq>

**SUPPLY VOLTAGES** Essential Energy reserves the right to determine the voltage at which supply shall be made available to any particular Customer. The general voltage levels referred to in the prices are:

<b>Low Voltage (LV)</b>	nominally 230/400V
<b>High Voltage (HV)</b>	nominally 11, 22, 33 or 66kV
<b>Subtransmission (ST)</b>	the voltage defined by Essential Energy which interconnects subtransmission or zone substations.

**THREE RATE DEMAND** the Demand charge (\$/kVA/month) is applied to the calendar monthly kVA demand measured by the meter for the peak, shoulder and off-peak periods. The monthly kVA demand is the maximum half hour demand for the month occurring within the peak, shoulder and off-peak periods and is calculated using the kWh and KVAh energy components recorded by the NER compliant meter. The method of demand measurement is 30 minute clocked. LV TOU Average Daily Demand and HV TOU Average Daily Demand tariffs are exceptions to this description. Demand charges for these tariffs are calculated as set out in the tariff description.

# Network Price List and Explanatory Notes

A separate demand will apply at each individual connection point as defined by AEMO's "NMI Procedure" document ME\_GN059v005. Coincident or summated demand from multiple connection points is not permitted without the written approval of Essential Energy. Approval will not be given where connection points are supplied from different substations.

## TIME PERIODS

All times are Eastern Standard Time (which includes Daylight Saving Time or Summer Time as defined in these Explanatory Notes). These times are unchanged when a public holiday falls on a week day.

**PEAK PERIOD** is from 7.00am–9.00am and 5.00pm–8.00pm on weekdays.

**SHOULDER PERIOD** is from 9.00am–5.00pm and 8.00pm–10.00pm on weekdays.

**OFF-PEAK PERIOD** is at all other times.

**DAYLIGHT SAVINGS TIME** will be applied to all customers with interval read meters and unmetered supplies in determining Network charges. Other customers will have Summer Time applied, see definition below.

**SUMMER TIME** is the period from the last Sunday in October at 2am to the last Sunday in March at 3am of the following year. Summer time adjustments will be made to TOU meters.

**TIME OF USE (TOU) RATES** are applied where there is a time of use meter installed, and the customer has a time of use tariff. Accordingly the overall charges are calculated based on different rates applying during peak, shoulder and off-peak time periods.

**TOU FAR WEST REGION** calculations are based on either Eastern Standard Time or Summer Time depending on when the meter was installed or programmed.

**TRANSMISSION LOSS FACTORS** for NSW connected customers vary depending on the customers Transmission Node Identifier (TNI). Loss

**Effective 1 July 2015**

Network Price List V1

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factors are not applied to network charges. For Essential Energy transmission nodes are available on AEMO's website at <http://www.aemo.com.au/electricityops/0172-0001.html>

**UNMETERED SUPPLIES** (type 7 metering installation) applies to those loads agreed between a Minister and AEMO. Refer to: Metrology Procedures & Type 7 Load Tables –

<http://www.aemo.com.au/electricity/Policies-and-Procedures/Metrology-Procedures-and-Unmetered-Loads>

NER Chapter 7 -

<http://www.aemc.gov.au/Electricity/National-Electricity-Rules/Current-Rules.html>

## ENQUIRIES

If you are an individual, private company or Government department who is interested in receiving information in regard to Essential Energy's Network Price List or would like to be added to our Register of Interested Parties, please fill in our online form;

<http://www.essentialenergy.com.au/content/electricity-network-pricing-and-information>

If you require more information, or have any enquiries, please contact the Network Pricing group by email at [networkpricing@essentialenergy.com.au](mailto:networkpricing@essentialenergy.com.au) or our Customer Service Centre on 13 23 91.

## DISCLAIMER

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## VERSIONS

Version 1 (V1)

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