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2019-20 Annual Network Pricing Report

May 2019

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Attachments are also available at <http://www.essentialenergy.com.au/content/electricity-network-pricing-and-information>

1 Background

1 Background

The Australian Energy Regulator (AER) has responsibility for the economic regulation of Distribution Network Service Providers (DNSPs) in all jurisdictions except Western Australia. The AER requires Essential Energy to publish an Annual Network Pricing Report. This report is part of the annual Pricing Proposal and establishes a process of price notification and review by the AER for annual price changes.

The Annual Network Pricing Report complies with the requirements of the AER – Final decision - Essential Energy Distribution Determination 2019-24 (*the Determination*), the Electricity DNSP's annual information reporting requirements, and section 6.18 of the National Electricity Rules (the Rules).

This pricing report specifically addresses the following:

- > Prices for network distribution services
- > Forthcoming changes in network prices
- > Compliance with the regulatory arrangements relating to limits on price and revenue movements
- > Impacts of the proposed changes on customers
- > Pricing principles and the allocation of costs

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1.1.1.1 Our Proposal

Essential Energy is proposing an overall nominal increase in average prices for network services from 1 July 2019 of 0.77 per cent. The increase in prices for network services is driven by:

- > Inflation (CPI) increase of 1.78 per cent; and
- > increases in transmission use of system (TUoS) charges from TransGrid and Powerlink.

These increases are partially offset by:

- > a decrease in real distribution use of system (DUoS) charges of 1.68 per cent; and
- > adjustments accounting for the over recovery of TUoS and other jurisdictional scheme pass through revenue in prior years.

1.1.1.2 Tariff Structure Statement

Essential Energy is implementing the changes to our tariff assignment as detailed in our Tariff Structure Statement (TSS) approved by the Australian Energy Regulator (AER) in April 2019. Changes effective from 1 July 2019 include:

- > Reducing the demand window for small customers on our opt-in demand tariffs to peak period only (5pm to 8pm weekdays).
- > Making seasonal demand tariffs for large customers obsolete as they are not cost-reflective.

We will continue with the tariff assignment changes introduced 1 July 2018, including:

1 Background

- > Any new small customer connecting to the network will be assigned to a Time-of-Use (ToU) tariff.
- > Any small customer whose meter is upgraded to a smart or interval type meter will be assigned to a ToU tariff.
- > These customers will have the ability to opt out to an anytime flat rate tariff if they choose to.

Large customers (consumption over 160MWh per annum) will continue to be assigned to a demand-based tariff with no opt out.

The AER Final Decision on Essential Energy's TSS for 2019-24 can be viewed at:

<https://www.aer.gov.au/networks-pipelines/determinations-access-arrangements/essential-energy-determination-2019-24>

2 Customer Classes

2 Customer Classes

Rule Requirement

Clause 6.18.2(b)(2) of the National Electricity Rules (the Rules) requires that a pricing proposal must set out the proposed tariffs for each tariff class that is specified in the Distribution Service Network Provider's tariff structure statement for the relevant regulatory control period.

In addition, when developing procedures for assigning customers to tariff classes the AER is required to have regard to the following principles:

- (1) Customers should be assigned to tariff classes on the basis of one or more of the following factors:
 - a. The nature and extent of their usage;
 - b. The nature of their connection to the network;
 - c. Whether remotely-read interval metering or other similar metering technology has been installed at the customer's premises as a result of a regulatory obligation or requirement;
- (2) Customers with a similar connection and usage profile should be treated on an equal basis;
- (3) However, customers with micro-generation facilities should be treated no less favourably than customers without such facilities but with a similar load profile.

Clause 6.18.3(d) requires that a tariff class be constituted with regard to the need to group customers together on an economically efficient basis, and the need to avoid unnecessary transaction cost.

Customers for Essential Energy's services are divided into service groups and classes for the purposes of assigning distribution network charges.

2.1.1.1 Standard Control Services

We established our customer classes for Standard Control Services by considering:

- > historical pricing structures;
- > existing metering capability and the cost-effectiveness of metering options;
- > the connected voltage level of customers; and
- > the cost-benefit of providing further disaggregation into additional customer classes.

There are five customer classes.

1. Subtransmission (including inter-distributor transfers)
2. High Voltage Demand
3. Low Voltage Large Business (previously Low Voltage Demand)
4. Low Voltage Residential and Small Business (previously Low Voltage Energy)
5. Unmetered supply.

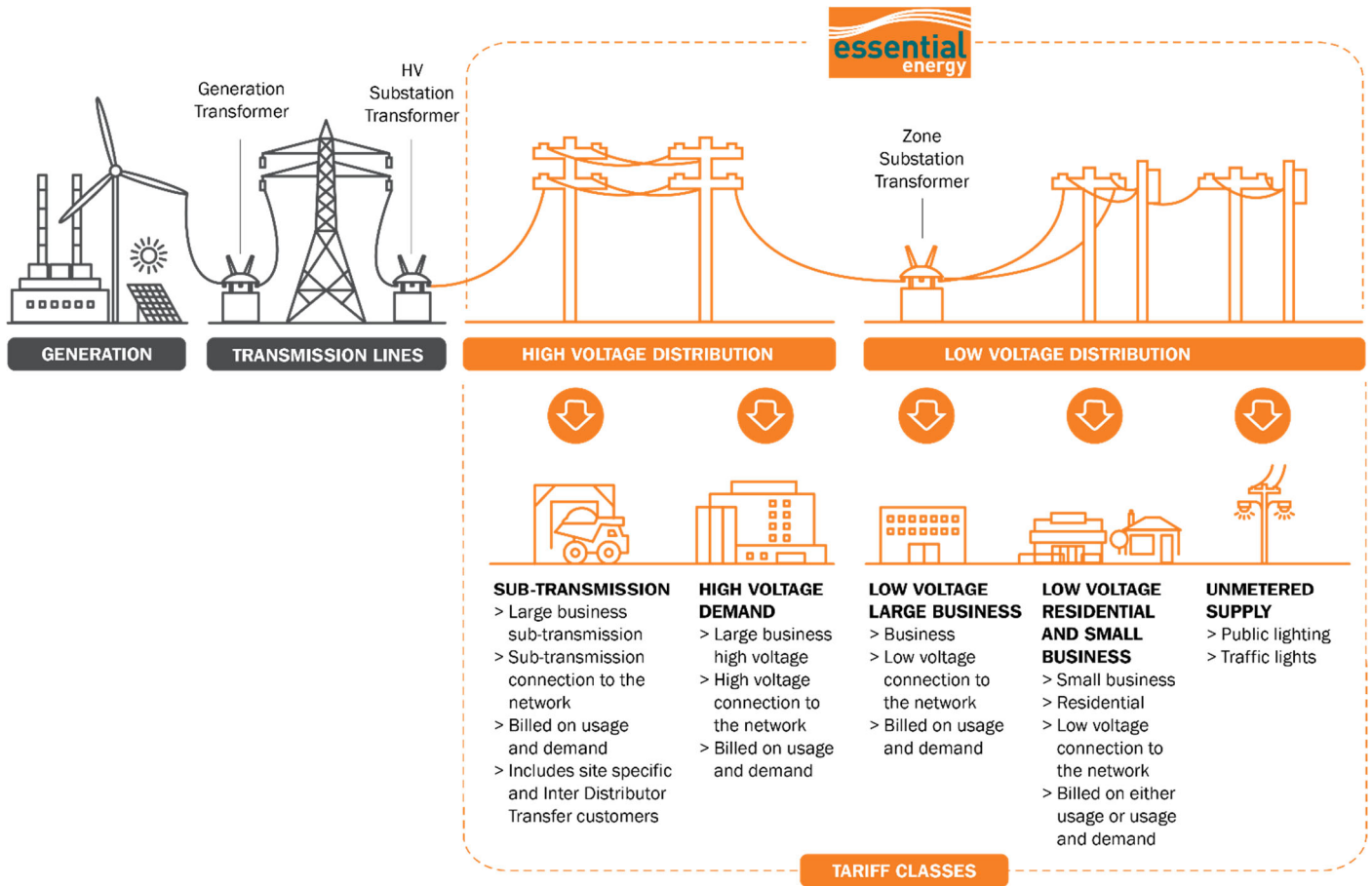
The threshold for the Large Business customer class is 160MWh a year.

Apart from our largest customers, who have site-specific charges, all customer prices are averaged for their class.

The network charges for these customer classes are included in [Appendix 1 Network Price List](#).

2 Customer Classes

Standard Control Services customer classes



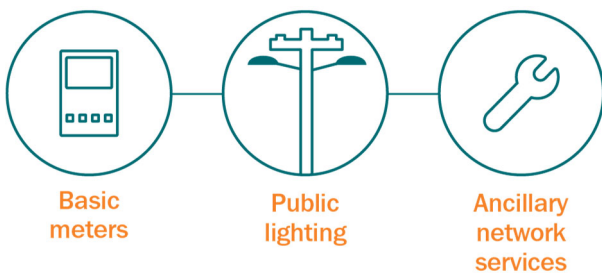
2.1.1.2 User pays services

We charge for our Alternative Control Services (ACS) on a user pays basis, so they are organised into three groups based on the type of service provided rather than customer characteristics.

Alternative Control Services customer classes



ALTERNATIVE CONTROL SERVICES



Basic meters service refers to services for Type 5 & 6 meters installed before 30 November 2017.

There may be some level of competition for these services, but the market is not yet fully competitive. Therefore, costs are attributable to specific customers who pay for the service.

The prices for these services are included in [Appendix 2, 3 and 4 Price Lists](#).

3 Proposed Tariffs and Charging Parameters

3 Proposed tariffs and charging parameters

Rule Requirement

Clause 6.18.2(b)(3) of the Rules requires that the pricing proposal must set out, for each proposed tariff, the charging parameters and the elements of service to which each charging parameter relates.

This is the second step in designing distribution network charges. All new customers have a default pricing assignment for their customer type. Most new and existing customers can also choose other pricing options if they meet the eligibility criteria. We reassign customers if their characteristics change.

3.1.1.1 Default charging assignment

Default distribution network charge assignment happens when a customer starts consuming electricity from a new connection point (greenfield site) or they receive a meter upgrade.

We assign each customer to their appropriate default customer class based on technical properties such as their estimated load (demand and/or usage), the voltage level at which they are connected to the network and their meter type.

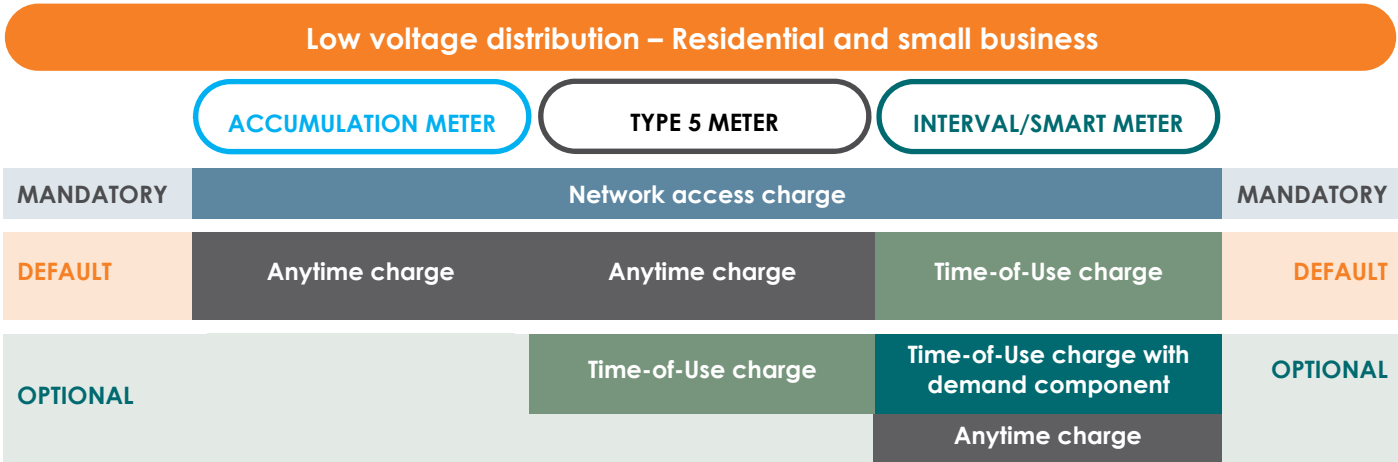
To assign (or reassign) customers to an appropriate customer class, we combine our own information with information from the retailer's service order to:

- > assign the customer to the appropriate customer class, based on the class criteria; and
- > assign the customer to an appropriate distribution network charge within the class, based on their connection, load and metering characteristics, and customer type e.g. residential or business.

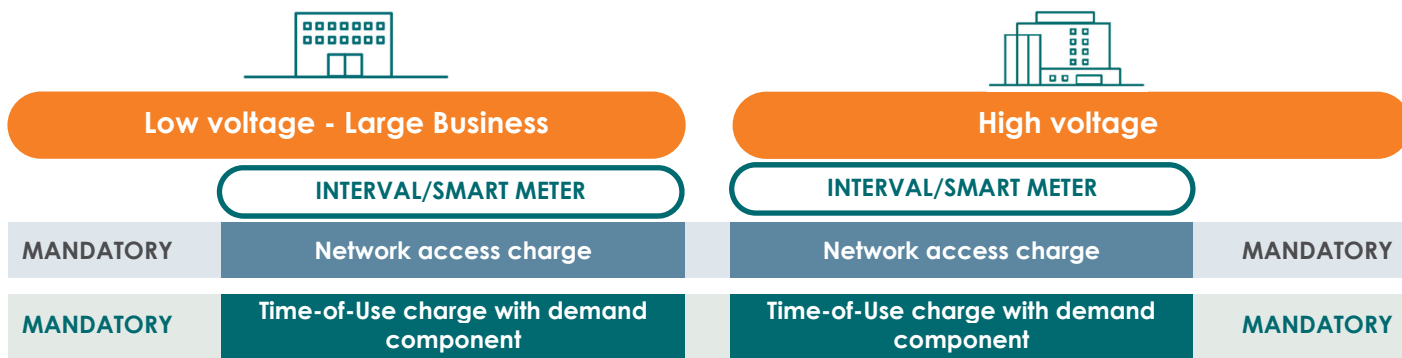
If there is a change of occupancy, we will assign the new customer to the most appropriate default distribution network charge, depending on the type of meter and customer.

Large Business customers who consume over 160MWh a year do not have the option to opt out of a demand-based charge.

The diagram shows our proposed distribution network charge structure for the 2019–24 regulatory period.



3 Proposed Tariffs and Charging Parameters



3.1.1.2 Distribution network charge reassignment

Customers will remain on their current distribution network charge unless:

- > their meter is upgraded (although they may opt to move to a different distribution network charge);
- > the customer or their retailer requests reassignment; or
- > we request reassignment.

Reassignment to a different distribution network charge can be requested by a customer or retailer as a result of:

- > a customer request, for example they want to move to an opt-in demand-based charge; or
- > a change in the customer's load, connection and/or metering characteristics.

Reassignment can also occur through Essential Energy's review process if we identify that a customer's load, connection and/or metering characteristics have changed, and it is no longer appropriate for them to be assigned to their current distribution network charge. This review process is undertaken quarterly and compares each customer's billed consumption over the preceding 12 months to the conditions (MWh limits) of their current tariff using various software tools. A notification is sent to both customers and their retailer advising that their network tariff will be changed in six months time if their consumption stays at the same level. This eliminates changing tariffs when consumption may change over a short time period. A final check is done on consumption levels before the network tariff is changed.

If a customer does not have the appropriate metering for the network tariff they should be assigned to, notification is sent to both the customer and their retailer advising they should have their meter upgraded to a smart meter. For example if a customer is consuming over 160MWh in a year and only has a basic accumulation meter, they are advised they need a smart meter and should contact their retailer to arrange this.

A customer or retailer may only seek reassignment once a year unless they can prove mitigating circumstances.

Full details of our network charging assignment and reassignment processes can be found in our [Network Tariff Assignment and Reassignment Procedure](#).

3.1.1.3 Opt-in charging assignment options

Most new and existing customers have the option to choose another distribution network charge. However, our opt-in demand charges are the most efficient of our cost-reflective distribution network charges, so we have made them an attractive option.

3.1.1.4 Charging windows

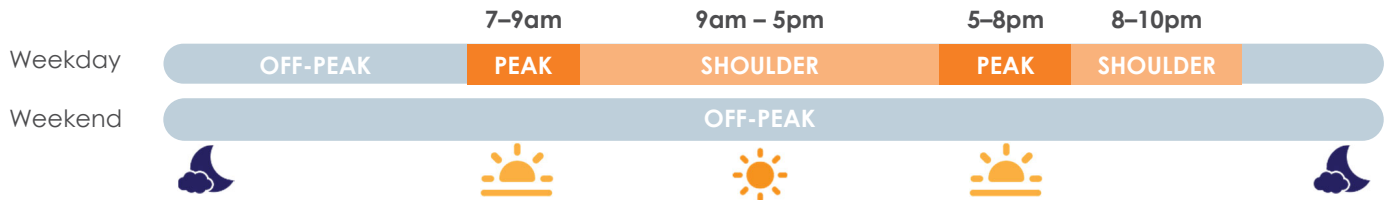
Our ToU charging windows for consumption and demand charges are set to different time windows, according to the type of meter a customer has.

Basic accumulation meters with ToU capability (Type 5 meters) cannot be cost-effectively reprogrammed,

3 Proposed Tariffs and Charging Parameters

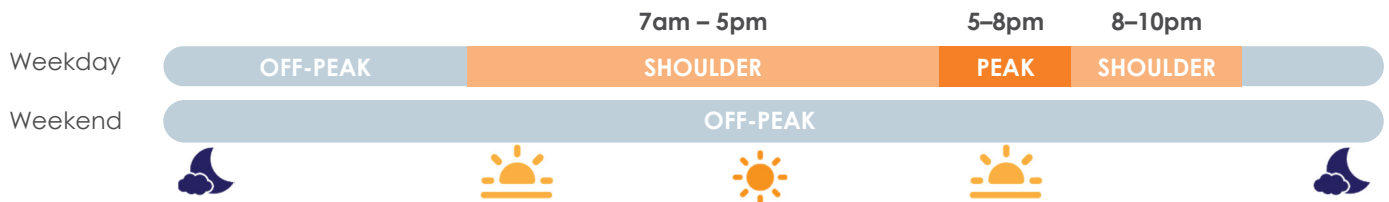
so they still record a morning peak between 7am and 9am on weekdays. This additional peak window also applies to our obsolete charges (historical charges that are not cost-reflective and not available to new customers).

Charging windows for Type 5 meter



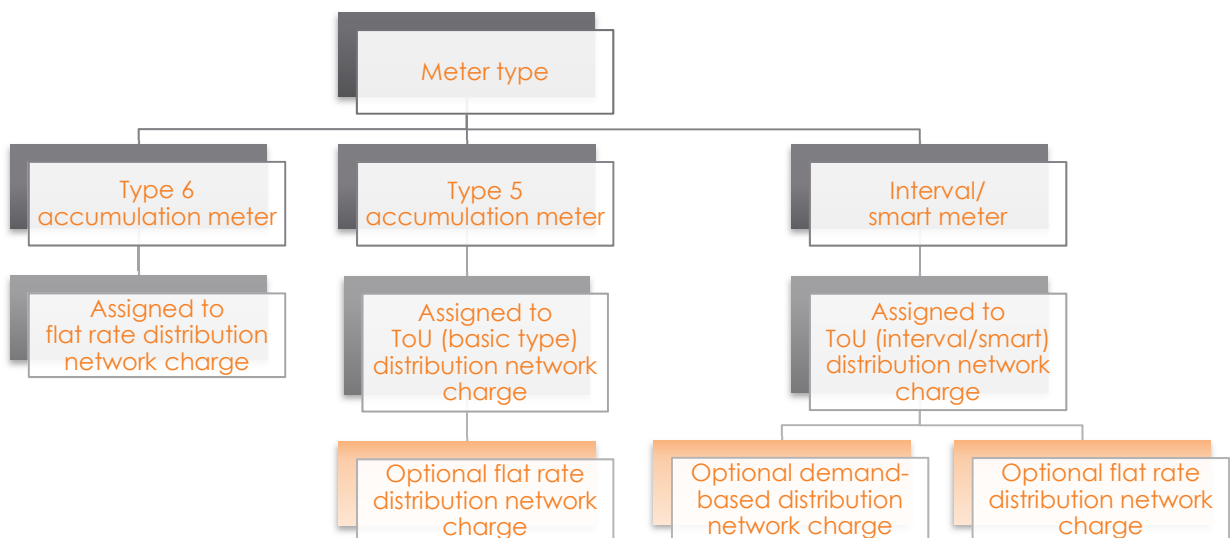
Interval/smart meters can be remotely reprogrammed. There is just one peak period for these types of meters.

Charging windows for interval/smart meters



3.1.1.5 Distribution network charge structures by customer class

Residential and Small Business customers are assigned to different distribution network charges based on their meter type. There are three categories of meters that define our distribution network charges: Basic accumulation meter (Type 6 meter), Type 5 meters and smart/interval meters.



The distribution network charge structures for each of these distribution network charge types are shown in the following tables.

3 Proposed Tariffs and Charging Parameters



Low voltage distribution—Residential and Small Business

(residential premises wholly used as private dwelling and business premises where business consumption does not exceed 160MWh a year)



DISTRIBUTION NETWORK CHARGE

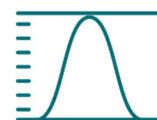


NETWORK ACCESS

Fixed dollar per day charge



CONSUMPTION



DEMAND

Anytime <100MWh	✓	Flat rate regardless of time of day			Does not apply
ToU (basic type 5 meter) < 100MWh	✓	Peak weekdays 7-9am and 5-8pm	Shoulder weekdays 9am – 5pm and 8-10pm	Off-peak All other times	
ToU (interval/smart meter)	✓	Peak weekdays 5-8pm	Shoulder weekdays 7am – 5pm and 8-10pm	Off-peak All other times	One charge for maximum demand during the peak period in the month
ToU with Demand component	✓				

✓ Applies



Energy Saver (previously Controlled Load)



DISTRIBUTION NETWORK CHARGE



LOW VOLTAGE RESIDENTIAL AND SMALL BUSINESS



NETWORK ACCESS

Fixed dollar per day charge

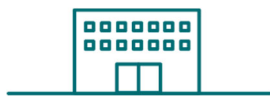


CONSUMPTION

Flat cents per kWh rate

	Eligibility	Consumption charging
Energy Saver 1	<ul style="list-style-type: none"> > Premise has another primary metering point at the same metering point as the secondary load and the load is remotely controlled > Load is permanently connected or on a dedicated power circuit with indicators to show when supply is available > The load types connected shall not exceed more than 25 Amps resistive > Other conditions apply, as detailed in the Network Pricelist and Explanatory Notes published as part of our annual pricing proposal 	Between five and nine hours overnight on weekdays and extra hours at the weekend, except where the load is controlled by a clock
Energy Saver 2		Between 10 and 18 hours a day on weekdays and extra hours at weekends, except where the load is controlled by a clock

3 Proposed Tariffs and Charging Parameters



Low voltage—Large Business

(low voltage connection where consumption exceeds 160MWh a year)



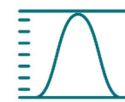
DISTRIBUTION NETWORK CHARGE



NETWORK ACCESS



CONSUMPTION



DEMAND

Fixed dollar per day charge

Cents per kWh rate based on time of day

Dollars per kVA per month

Peak weekdays 5–8pm	Shoulder weekdays 7am – 5pm and 8–10pm	Off-peak All other times
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Eligibility

Demand charging

Low voltage – ToU three rate Demand	<ul style="list-style-type: none"> > Low voltage connection > Business premises where consumption exceeds 160MWh a year 	Charge based on the highest measured half-hour kVA demand registered in each of the peak, shoulder and off-peak periods during the month
Low voltage – ToU Demand alternative	<ul style="list-style-type: none"> > Low voltage connection > Business premises where consumption exceeds 160MWh a year 	One charge based on the highest measured half-hour kVA demand registered in either the peak or shoulder periods during the month
Transitional – Demand	<ul style="list-style-type: none"> > Eligible customers will be automatically assigned - pricing not available on request > Eligible customers on Anytime or ToU pricing but who no longer meet the associated eligibility requirements and are worse off under equivalent Low Voltage – ToU Demand pricing > Low voltage connection > Business premises where consumption exceeds 160MWh per year 	Charge based on the highest measured half-hour kVA demand registered in each of the peak, shoulder and off-peak periods during the month
Low voltage – ToU average daily Demand	<ul style="list-style-type: none"> > Not available to new customers > Low voltage connection > Business premises where consumption exceeds 160MWh per year > Monthly load factor greater than 60% for at least four of the most recent 12 months coinciding with a minimum on-season Anytime monthly demand of 1500 kVA > Intended for customers with a seasonal demand 	Demand charge calculated on the average daily ToU demand for peak, shoulder and off-peak periods for the month

3 Proposed Tariffs and Charging Parameters



High voltage

(high voltage connection and metering point)



DISTRIBUTION NETWORK CHARGE



NETWORK ACCESS

Fixed dollar per day charge

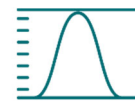


CONSUMPTION

Cents per kWh rate based on time of day

Peak weekdays 5–8pm	Shoulder weekdays 7am – 5pm and 8–10pm	Off-peak All other times
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Eligibility



DEMAND

Dollars per kVA per month

Demand charging

High voltage – ToU monthly Demand	<ul style="list-style-type: none"> > Business premises connected and metered at high voltage network 	Charge based on the highest measured half-hour kVA demand registered in each of the peak, shoulder and off-peak periods during the month
High voltage – ToU average daily Demand	<ul style="list-style-type: none"> > Not available to new customers > Monthly load factors greater than 60% for at least four of the most recent 12 months coinciding with a minimum on-season Anytime monthly demand of 1500kVA. 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 > Intended for customers with seasonal demand 	Demand charge calculated on the average daily ToU demand for peak, shoulder and off-peak periods for the month



Subtransmission

(connected at a sub-transmission voltage network, including site-specific and inter-distributor transfer customers)



DISTRIBUTION NETWORK



NETWORK ACCESS

Fixed dollar per day charge

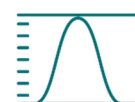


CONSUMPTION

Cents per kWh rate based on time of day

Peak weekdays 5–8pm	Shoulder weekdays 7am – 5pm and 8–10pm	Off peak All other times
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Eligibility



DEMAND

Dollars per kVA per month

Demand charging

Subtransmission – ToU monthly Demand	<ul style="list-style-type: none"> > Subtransmission connection (as defined by Essential Energy) > Not applicable for connection to dual purpose subtransmission/ distribution circuits 	Charge based on the highest measured half-hour kVA demand registered in each of the peak, shoulder and off-peak periods during the month
Site-specific	<ul style="list-style-type: none"> > Large Business customers on a case-by-case basis by application to Essential Energy 	Various combinations of fully cost-reflective structures

3 Proposed Tariffs and Charging Parameters



Unmetered

(Type 7 metering installation. Applies to loads detailed in the AEMO National Electricity Market Load Tables¹)



DISTRIBUTION



NETWORK ACCESS



CONSUMPTION

Cents per kWh rate based on time of day

	Eligibility				
LV unmetered supply	All new unmetered supply connections will have this pricing	Fixed dollar per day charge	Flat rate not based on time of day		
LV Public Lighting ToU	All new public street lighting connections will have this pricing	Does not apply	Peak weekdays 7-9am and 5-8pm	Shoulder weekdays 9am – 5pm and 8-10pm	Off-peak All other times

¹ https://www.aemo.com.au/-/media/Files/Electricity/NEM/Retail_and_Metering/Metering-Procedures/NEM-Load-Tables-For-Unmetered-Connection-Points.pdf

4 Compliance

4 Compliance

Rule Requirement

Clause 6.18.2(b)(4) of the Rules requires that the pricing proposal must set out, for each tariff class related to standard control services, the expected weighted average revenue for the relevant regulatory year and also for the current regulatory year.

4.1.1.1 Revenue Allowance

The determination allows us to recover DUoS revenue of \$1,001.7 million in the 2019-20 year. The 2019-20 prices have been set to recover this amount of DUoS revenue - being \$1,001.7 million.

Assuming the same level of energy consumption, this DUoS revenue recovery implies an average increase in nominal price terms for distribution prices for 2019-20 of 1.17 per cent, including a CPI of 1.78 per cent. The following table demonstrates the weighted average change in DUoS revenue by tariff class.

Table 1: DUoS average tariff class revenue change (\$'000)

Tariff class	Weighted average revenue 2018-19	Weighted average revenue 2019-20	Change %
Low voltage - Residential and Small Business	731,971	740,960	1.23%
Low voltage - Large Business	188,406	190,306	1.01%
High voltage – Demand	47,561	48,056	1.04%
Sub-transmission (including IDTs)	15,776	15,934	1.00%
Unmetered Supply	6,413	6,473	0.94%
Total DUoS revenue	990,127	1,001,729	1.17%

5 Variations to tariffs

5 Variations to tariffs

Rule Requirement

Clause 6.18.2(b)(5) of the Rules requires that the pricing proposal must set out the nature of any variation or adjustment to the tariff that could occur during the course of the regulatory year and the basis on which it could occur.

Essential Energy does not propose to vary or adjust our proposed Network tariffs during the course of the 2019-20 regulatory year.

6 Jurisdictional Schemes

6 Jurisdictional Schemes

Rule Requirement

Clause 6.18.2(b)(6A) of the Rules requires that the pricing proposal must set out how jurisdictional scheme amounts for each approved jurisdictional scheme are to be passed on to customers and any adjustments to tariffs resulting from over or under recovery of those amounts.

Clause 6.18.2(b)(6B) requires that the pricing proposal must describe how each approved jurisdictional scheme that has been amended since the last jurisdictional scheme approval date meets the jurisdictional scheme eligibility criteria.

6.1.1.1 Climate change levy

Legislation requires Essential Energy to contribute \$56 million to the New South Wales Climate Change Fund (CCF) in 2019-20. Essential Energy is permitted to collect this contribution from its customers through network prices and is required to take into account any under or over recovery from previous years. It is also a requirement that only 25 per cent of this contribution is collected from residential customers.

Expected climate change fund revenue and expense for 2019-20 is summarised in Table 2 below.

Table 2: Climate change fund levy unders and overs account (\$'000)

Component	2019-20 (forecast)
Revenue from CCF Tariffs	53,299
CCF Payments	56,041
Opening balance of trans (unders)/overs account	2,666
CCF unders and overs account	
Nominal WACC	5.76%
Opening balance	2,666
Interest on opening balance (365 days)	153
(Under) / over recovery for financial year	(2,741)
Interest charged on (under)/over recovery for financial year	(78)
Closing balance	0

6.1.1.2

6.1.1.3 Queensland Solar Bonus Scheme

Legislation requires Essential Energy to pay eligible customers located in Queensland and connected to Essential Energy's network an amount for their solar export. As this scheme is a designated jurisdictional scheme under the Rules, Essential Energy is recovering the amount paid to these customers back through tariffs in a similar manner to the Climate Change Fund.

Expected Queensland Solar Bonus Scheme revenue and expense for 2019-20 is summarised in Table 3 below.

6 Jurisdictional Schemes

Table 3: Queensland Solar Bonus Scheme unders and overs account (\$'000)

Component	2019-20 (forecast)
Revenue from Queensland Solar Bonus Scheme Recovery (QSS) Tariffs	1,039
QSS Payments	1,048
Opening balance of (unders)/overs account	8
QSS unders and overs account	
Nominal WACC	5.76%
Opening balance	8
Interest on opening balance (365 days)	0
(Under) / over recovery for financial year	(8)
Interest charged on (under)/over recovery for financial year	0
Closing balance	0

7 Transmission Use of System

7 Transmission Use of System

Rule Requirement

Clause 6.18.2(b)(6) of the Rules requires that the pricing proposal must set out how designated pricing proposal charges are to be passed on to customers and any adjustments to tariffs resulting from over or under recovery of those charges in the previous regulatory year.

In addition, clause 6.18.7 states that the amount to be passed on for a particular regulatory year must not exceed the estimated amount of the designated pricing proposal charges adjusted for over or under recovery.

7.1.1.1 Transmission-related cost recovery arrangements

The AER allows Essential Energy to recover transmission-related costs by setting TUoS prices to recover:

- > Transmission charges paid to transmission network service providers (TNSPs)
- > Avoided TUoS payments to embedded generators calculated in accordance with the Rules
- > Inter-distributor transfer payments to other network distribution businesses.

The Determination requires Essential Energy to demonstrate compliance with transmission cost recovery requirements and in accordance with that Determination Essential Energy is permitted to recover those costs and take account of any under or over recovery of TUoS revenue. As part of the 2019-20 price approval process, the AER has been provided with the expected cost of transmission related payments.

Essential Energy will also be recovering avoided TUoS payments to large embedded generators who have advised they will be supplying energy into our Network. As this effectively represents less transmission from TransGrid's network, Essential Energy is required to pay avoided TUoS to these generators under section 5.5 of the Rules.

The total transmission revenue Essential Energy requires in 2019-20 has increased by 1.69 per cent from the revenue forecast amount to be recovered for 2018-19. Expected transmission revenue and expense for 2019-20 is summarised in Table 4 below.

Table 4: Transmission use of system unders and overs account (\$'000)

Component	2019-20 (forecast)
Revenue from TUoS charges	219,438
Less total transmission related payments	228,178
Transmission charges to be paid to TNSP	209,707
Inter-distributor payments	15,220
Avoided TUoS payments	3,252
(Under)/over recovery for regulatory year	(8,740)
TUoS unders and overs account	
Nominal WACC	5.76%
Opening balance	8,499
Interest on opening balance	489
(Under)/over recovery for regulatory year	(8,740)
Interest on (under)/over recovery for regulatory year	(248)
Closing balance	0

7 Transmission Use of System

Transmission charges are not in a form that readily translates into network price structures. Essential Energy translates historical kilowatt demand and daily locational charges from transmission authorities into equivalent anytime or peak, shoulder and off-peak energy rates in order to allocate those charges to the network use of system tariffs.

Essential Energy allocates transmission charges to network prices using the following principles:

- > The total TUoS allocated to network prices aligns with total expected transmission related payments to be made by Essential Energy
- > Transmission charges are allocated to network prices in a way that reflects the cost drivers present in transmission
- > The pass through of transmission charges and the structure of network prices have been aligned wherever possible by Essential Energy
- > Site specific customers have transmission charges allocated in a way that preserves the location and time signals of transmission pricing as per chapter 6 of the Rules. These charges are passed through as closely as possible to reflect the way the charges are levied on Essential Energy
- > Network prices for standard customer classes have transmission charges allocated on an average consumption level basis. This is due to the difficulties associated with equitably allocating the general and common service fixed charge as a fixed network access charge, and passing through location price signals which cannot be preserved when the end price is applied to many customers within the network.

For large customers with individual prices, the individual cost of transmission is directly assigned to the customer. The balance is allocated to standard customer classes.

8 Distribution Use of Service

8 Distribution Use of System

Rule Requirement

Clause 6.18.2(b)(7) of the Rules requires that the pricing proposal must demonstrate compliance with the Rules and any applicable distribution determination, including the Distribution Network Service Provider's tariff structure statement for the relevant regulatory control period.

8.1.1.1 Distribution Use of System

DUoS revenue to be recovered in the first year of a regulatory period is set in the determination and for 2019-20 this amount is \$1,001.7 million. This DUoS revenue includes CPI of 1.78 per cent and an X factor of 1.68 per cent (decrease). The 2019-20 prices have been set to recover this amount of DUoS revenue.

Table 5: Distribution use of system unders and overs account (\$'000)

Component	2019-20 (forecast)
Revenue from DUoS charges	1,001,729
Less TAR for the relevant year	1,001,729
Smooth revenues (AARt)	1,001,729
DMIA carryover amount and DMIS amount (It)	0
Annual adjustment (Bt)	0
Approved pass throughs/recoveries (Ct)	0
Amount deliberately under-recovered in year	0
(Under)/over recovery for regulatory year	0
DUoS unders and overs account	
Nominal WACC	5.76%
Opening balance	0
Interest on opening balance	0
(Under)/over recovery for regulatory year	0
Interest on (under)/over recovery for regulatory year	0
Closing balance	0

As detailed in the AER – Final decision – Essential Energy distribution determination 2019-24 – Attachment 13 – Control mechanism, any under or over recovery of revenue forecast for the 2018-19 year cannot be offset against 2019-20 revenue. Once the actual results are known for 2018-19, the under or over recovery will be adjusted in 2020-21 by increasing or decreasing the DUoS revenue to be collected in that year.

9 Changes from previous regulatory year

9 Changes from previous regulatory year

Rule Requirement

Clause 6.18.2(b)(8) of the Rules requires that the pricing proposal must describe the nature and extent of change from the previous regulatory year and demonstrate that the changes comply with the Rules and any applicable distribution determination

The changes to tariffs or tariff assignment for 2019-20 from 2018-19 are summarised below.

Component	Network charge type	Annual update
DUoS	ToU network charges	Differentiate peak and shoulder rates by applying: <ul style="list-style-type: none"> > a 2 per cent increase to the peak component; and > a 2 per cent decrease to the shoulder component each year.
	Residential and Small Business customers	Apply the \$5 increase to the fixed charge then apply the average percentage increase/decrease in revenue to each of the fixed charge, consumption and demand components.
	LV ToU <100 MWh and >100MWh	Apply a 2.5 per cent decrease to the fixed charge to transition this component down to same fixed rate charge as other Small Business customers.
	Small Business Opt-in Demand	Apply a 20 per cent increase to the energy consumption components to take into account the removal of the shoulder period from the demand component put forward in our Revised Proposal and Revised TSS.
	Obsolete network charges	To incentivise customers to move to more cost-reflective network charges: <ul style="list-style-type: none"> > if there is an increase in overall DUoS prices, the percentage increase in revenue is doubled for obsolete network charges; and > if there is an overall decrease to DUoS prices then rates are held flat.
	All	Average increase or decrease to recover required revenue, including adjustment for any over-recovery or under-recovery.
TUoS	Site-specific	Actual rates applied as provided by transmission companies.
	All other	Average increase to recover required revenue, including adjustment for any over-recovery or under-recovery.
	ToU network charges	Differentiate peak and shoulder rates by applying a 2.5 per cent increase to the peak component each year.
NSW Climate Change Fund Levy	All	Average increase or decrease to recover required revenue, including adjustment for any over-recovery or under-recovery, with only 25 per cent from Residential customers.
Queensland Solar Scheme	All	Average increase or decrease to recover required revenue, including adjustment for any over-recovery or under-recovery.

Additional changes include:

- > Charging window for small customer optional demand tariffs now have one demand charge for the peak period only; and
- > Seasonal demand tariffs have been made obsolete as they do not provide cost reflective signals.

10 Customer Impacts

10 Customer Impacts

Rule Requirement

Clause 6.18.2(b)(7) requires that the pricing proposal demonstrates compliance with the Rules and applicable distribution determination, and takes into account 6.18.5 Pricing principles to reflect efficient costs

This report explains how Essential Energy's prices meet regulatory arrangements, this section demonstrates the impact of the forthcoming changes in network tariffs on typical customers' bills. Each tariff will have a different change in their average rate due to the mix of DUoS, TUoS, CCF and QSS as part of the overall NUoS tariff rates.

Table 6 demonstrates the average impact of the proposed prices on the residential and business customer classes. It shows the average increases expected for each of the consumption types for residential and business network prices based on average annual consumption. These include standard supply, Time-of-Use, controlled load (Energy Saver), and demand network prices for business customers.

Table 6: Average increases for residential and small non-residential customers

		Average annual MWh	Average annual account 2018-19	Average annual account 2019-20	Average change per customer	Average increase (%)	Average c/kWh 2018-19	Average c/kWh 2019-20
Residential	Anytime	5.00	\$804.35	\$815.69	\$11.33	1.41%	\$16.09	\$16.31
	Time-of-Use	8.00	\$935.65	\$949.93	\$14.28	1.53%	\$11.70	\$11.87
	Time-of-Use - Interval	5.00	\$692.94	\$704.71	\$11.77	1.70%	\$13.86	\$14.09
	Energy Saver 1	2.16	\$78.80	\$79.08	\$0.28	0.35%	\$3.65	\$3.67
Non-Residential	Anytime	23.00	\$3,559.14	\$3,582.96	\$23.82	0.67%	\$15.47	\$15.58
	Time-of-Use	41.08	\$6,316.40	\$6,110.41	-\$205.99	-3.26%	\$15.38	\$14.87
	Time-of-Use - Interval	40.00	\$4,286.09	\$4,315.51	\$29.42	0.69%	\$10.72	\$10.79
	Energy Saver 2	2.18	\$133.10	\$134.05	\$0.95	0.71%	\$6.11	\$6.15
	Optional Demand	38.45	\$2,922.80	\$2,999.23	\$76.43	2.61%	\$7.60	\$7.80

The average residential customer connected to an anytime tariff, without energy saver, in Essential Energy's distribution area will see an increase of approximately \$11.33 or 1.41 per cent for the 2019-20 year based on an annual consumption of 5 MWh.

The average small non-residential customer connected to an anytime tariff in Essential Energy's distribution area will see an increase of approximately \$23.82 or 0.67 cent for the 2019-20 year based on an annual consumption of 23 MWh.

A typical residential customer living in Essential Energy's distribution area would generally be connected to the following network prices:

- > BLNN2AU: Residential Anytime Tariff
- > BLNC1AU: Residential Energy Saver 1

10 Customer Impacts

Table 7 below provides an analysis of the impacts of price increases for a low usage customer and a typical usage customer.

Table 7: Impact of price increases for typical residential customers of Essential Energy

Customer type	Energy saver load %	2018-19 Quarterly network bill	2019-20 Quarterly network bill	Change in quarterly network bill
Low usage (3,500 kWh)	35%	\$145.73	\$148.19	\$2.45
Typical usage (6,500 kWh)	35%	\$201.50	\$204.28	\$2.77

A typical small non-residential customer operating in Essential Energy's distribution area would generally be connected to the following network price:

- > BLNN1AU: Small Business Anytime Tariff

Table 8 below provides an analysis of the impacts of price movements for a customer that consumes 20 MWh per annum and a customer that consumes 40 MWh per annum.

Table 8 Impact of prices for typical non-residential customers of Essential Energy

Customer type	2018-19 Monthly network bill	2019-20 Monthly network bill	Change in Monthly network bill
20 MWh	\$261.06	\$262.88	\$1.81
40 MWh	\$497.94	\$500.90	\$2.96

The examples provided above for typical residential and small non-residential customers all fall within the Low voltage Residential and Small Business tariff class.

Table 9 below shows the expected movement in the average rate for each of Essential Energy's tariff classes for DUoS charges only.

Table 9 Impact of DUoS prices for each tariff class

Tariff class	2018-19		2019-20	
	Forecast Revenue \$'000	Forecast average rate c/kWh	Forecast Revenue \$'000	Forecast average rate c/kWh
Low voltage Residential and Small Business	731,971	11.65	740,960	11.79
Low voltage Large Business	188,406	7.32	190,306	7.39
High voltage Demand	47,561	5.03	48,056	5.08
Sub-transmission	15,776	0.58	15,934	0.59
Unmetered Supply	6,413	6.17	6,473	6.23
Total average DUoS rate		\$7.84		\$7.94

Appendix 1 provides a full price list by tariff class for 2019-20 network charges.

10 Customer Impacts

10.1.1.1 Network price increases 2018-19 to 2019-20

The 2019-20 year is the first year of a new regulatory determination period. The revenue we are allowed to recover in this year for DUoS charges is provided by the AER in their Final Determination and is \$1,001.7 million. As detailed in Table 5 above this revenue allowance is not adjusted for any over or under recovery of revenue in prior years.

Under a revenue price cap control mechanism, the same units are used to calculate the prices for network charges. Taking this into account, along with adjustments for over or under recoveries, the average change in prices for 2019-20 is an increase of 0.77 per cent. This differs to the change in revenue we expect to recover year on year due to a different forecast of unit sales. The change in revenue to be recovered is an increase of 1.10 per cent. This difference is demonstrated in Table 10 below.

Table 10: Network price increase (\$M nominal)

Charge component	2018-19		2019-20	Year on Year Price change %	
	Forecast Revenue	Calculated Revenue	Revenue to be recovered	Forecast Revenue	Calculated Revenue
Distribution use of system charges	985.4	990.1	1,001.7	1.17%	1.66%
Transmission use of system charges	215.8	215.1	219.4	2.02%	1.69%
Climate change levy	58.9	59.0	53.3	-9.62%	-9.49%
QLD Solar Scheme	1.6	1.6	1.0	-35.00%	-34.96%
Network use of system charges	1,261.7	1,265.8	1,275.5	0.77%	1.10%
GWh sales	12,637.30	12,622.09	12,622.09		

11 Tariff Structure Statement

11 Tariff Structure Statement

Rule Requirement

Clause 6.18.2(b)(7A) of the Rules requires that the pricing proposal must demonstrate how each proposed tariff is consistent with the corresponding indicative pricing levels for the relevant regulatory year as set out in the relevant indicative pricing schedule, or explain any material differences between them

11.1.1.1 Comparison of proposed and indicative prices

Our proposed prices for 2019-20 are in line with those approved by the AER in our TSS. The only differences are due to:

- > Updated X factor (revenue allowed to be recovered)
- > Inclusion of 1.78% CPI (Indicative prices are in \$2018-19)
- > Increases in TUoS charges as advised by TransGrid and Powerlink of 7% and 6% respectively
- > Decrease in the amount we are required to contribute to the CCF in 2019-20 of approximately \$2 million.

These changes can be seen in Table 11 below.

11 Tariff Structure Statement

Table 11: Comparison of Essential Energy's Proposed vs Indicative NUOS charges 2019-20

Tariff Code	Description		Network Access \$/year	Energy Anytime 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
Tariff Class A; Low voltage Residential and Small Business										
BLNN2AU	Residential Anytime	Proposal	298.21	10.3496						
		Indicative	290.34	10.1598						
		% difference	2.7%	1.9%						
BLNT3AU	Residential ToU	Proposal	298.21		13.3273	11.9597	4.3713			
		Indicative	290.34		13.0785	11.7383	4.3281			
		% difference	2.7%		1.9%	1.9%	1.0%			
BLNT3AL	Residential ToU_Interval meter	Proposal	298.21		13.8332	11.5020	4.3713			
		Indicative	290.34		13.5710	11.2926	4.3281			
		% difference	2.7%		1.9%	1.9%	1.0%			
BLND1AR	Residential – Opt-in Demand	Proposal	298.21		4.0348	3.3214	2.0402	3.9476		
		Indicative	290.34		4.0312	3.3280	2.0585	3.8434		
		% difference	2.7%		0.1%	-0.2%	-0.9%	2.7%		
BLNC1AU	Energy Saver 1	Proposal	32.78	2.1472						
		Indicative	31.92	2.1626						
		% difference	2.7%	-0.7%						
BLNC2AU	Energy Saver 2	Proposal	32.78	4.6460						
		Indicative	31.92	4.6048						
		% difference	2.7%	0.9%						
BLNN1AU	LV Small Business Anytime	Proposal	298.21	14.2815						
		Indicative	290.34	14.0459						
		% difference	2.7%	1.7%						

11 Tariff Structure Statement

Tariff Code	Description		Network Access \$/year	Energy Anytime 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
BLNT2AU	LV ToU < 100MWh	Proposal	2,067.22		14.1636	12.7531	6.3854			
		Indicative	2,067.22		13.9505	12.5686	6.3468			
		% difference	0.0%		1.5%	1.5%	0.6%			
BLNT2AL	LV Business ToU_Interval meter	Proposal	520.63		14.6920	12.2751	6.1745			
		Indicative	506.88		14.4650	12.1032	6.1415			
		% difference	2.7%		1.6%	1.4%	0.5%			
BLNT1AO	LV ToU > 100MWh	Proposal	2,067.22		14.1636	12.7531	6.3854			
		Indicative	2,067.22		13.9505	12.5686	6.3468			
		% difference	0.0%		1.5%	1.5%	0.6%			
BLND1AB	Small Business – Opt-in Demand	Proposal	520.63		5.5161	4.3921	2.6187	6.4149		
		Indicative	506.88		5.5820	4.4599	2.6914	6.2456		
		% difference	2.7%		-1.2%	-1.5%	-2.7%	2.7%		
Tariff Class B; Low voltage Large Business										
BLND3AO	LV ToU Demand 3 Rate	Proposal	5,428.59		4.0186	3.5620	2.3030	9.9185	8.9739	2.1699
		Indicative	5,285.29		4.0662	3.6139	2.3713	9.7867	8.8547	2.1126
		% difference	2.7%		-1.2%	-1.4%	-2.9%	1.3%	1.3%	2.7%
BLND3TO	LV ToU Demand – alternate tariff	Proposal	5,428.59		12.6270	11.0452	4.6306	11.7727		
		Indicative	5,285.29		12.4474	10.8996	4.6374	11.4619		
		% difference	2.7%		1.4%	1.3%	-0.1%	2.7%		
BLNDTRS	Transitional Demand	Proposal	3,747.91		9.0911	8.1576	4.3442	4.9593	4.4869	1.0849
		Indicative	3,676.26		9.0083	8.0913	4.3590	4.8934	4.4273	1.0563
		% difference	1.9%		0.9%	0.8%	-0.3%	1.3%	1.3%	2.7%

11 Tariff Structure Statement

Tariff Code	Description		Network Access \$/year	Energy Anytime 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
BLNS1AO	LV ToU Avg Daily Demand	Proposal	5,483.38		3.6756	3.2639	2.1812	10.8132	9.7834	2.5004
		Indicative	5,374.35		3.7349	3.3260	2.2531	10.5982	9.5888	2.4507
		% difference	2.0%		-1.6%	-1.9%	-3.2%	2.0%	2.0%	2.0%
Tariff Class C; High voltage demand										
BHND3AO	HV ToU mthly Demand	Proposal	6,719.73		3.0613	2.7346	2.2244	8.7449	7.9120	2.3676
		Indicative	6,542.35		3.1167	2.7932	2.2906	8.5140	7.7032	2.3051
		% difference	2.7%		-1.8%	-2.1%	-2.9%	2.7%	2.7%	2.7%
BHNS1AO	HV ToU Avg Daily Demand	Proposal	6,531.37		3.0341	2.7304	2.2170	9.2600	8.3781	2.5070
		Indicative	6,358.96		3.0902	2.7892	2.2834	9.0156	8.1570	2.4409
		% difference	2.7%		-1.8%	-2.1%	-2.9%	2.7%	2.7%	2.7%
Tariff Class D; Sub-transmission										
BSSD3AO	Sub Trans 3 Rate Demand	Proposal	6,670.32		3.8439	2.3054	1.9151	3.3746	2.4058	0.9590
		Indicative	6,494.24		3.8430	2.3139	1.9258	3.2855	2.3423	0.9337
		% difference	2.7%		0.0%	-0.4%	-0.6%	2.7%	2.7%	2.7%
Tariff Class E; Unmetered Supply										
BLNP1AO	LV Unmetered NUoS	Proposal	298.21	15.4660						
		Indicative	290.34	15.1983						
		% difference	2.7%	1.8%						
BLNP3AO	LV Public Lighting ToU NUoS	Proposal			16.1844	14.1333	6.6668			
		Indicative			15.9171	13.9115	6.6200			
		% difference			1.7%	1.6%	0.7%			

12 Compliance with the National Electricity Rules

12 Compliance with the National Electricity Rules

Rule Requirement

Clause 6.18.2(b)(7) of the Rules requires that a pricing proposal demonstrates compliance with the Rules and any applicable distribution determination, including the Distribution Network Service Provider's tariff structure statement for the relevant regulatory control period.

Rule 6.18.5 sets out the pricing principles that are relevant to determining tariffs and charging parameters.

The pricing principles of the Rules:

Clause	Principle
6.18.5(e)	The revenue expected to be recovered for each tariff class must lie on or between: <ul style="list-style-type: none">> an upper bound representing the stand-alone cost of serving the retail customers who belong to that class; and> a lower bound representing the avoidable cost of not serving those retail customers
6.18.5(f)	Each tariff is based on the Long Run Marginal Cost (LRMC) of providing the service
6.18.5(g)	Tariffs reflect the efficient costs of serving customers and minimise distortions in price signals for efficient usage
6.18.5(h)	The need to consider the impact on customers of tariff changes
6.18.5(i)	Tariff structures must be reasonably capable of being understood by customers
6.18.5(j)	Tariffs must comply with all applicable regulatory instruments

12.1.1.1 Pricing Principles and Cost Allocation

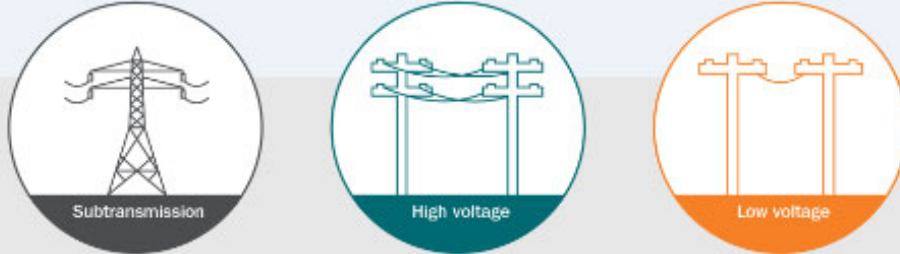
The network prices we charge each customer should reflect our business' efficient costs of providing network services to that customer. Specifically, each tariff must be based on the Long Run Marginal Cost (LRMC) of providing the service to which it relates to the retail customers assigned to that tariff. Efficient pricing preserves the LRMC (the cost of consuming or adding one more unit) while also allocating costs that have already been incurred (residual costs) in a way that will provide minimal demand distortion.

Efficient pricing needs to signal to customers the future network cost of consuming the next unit of electricity. Where there are no network constraints, such as in off-peak times, this cost will be very low. However, if the network is reaching capacity at peak times, the cost to the network of consumers using more energy/demand at that time will grow until it requires us to augment the network to continue to meet demand. These additional costs should, under the Rules, be reflected in the relevant variable usage charge of the tariff structure.

Using only a LRMC calculation to set tariffs would not allow us to recover all our network costs. There are residual costs that are not recovered when prices are set to equal marginal cost. How we recover these residual costs has implications for efficiency. The method we have used for setting prices based on LRMC and how residual costs have been allocated is explained below.

12 Compliance with the National Electricity Rules

PART 1. Determine LRMC by voltage level and network charge



Determine augmentation and replacement capital expenditure driven by increased demand plus related opex, by voltage level of the network



Calculate LRMC by voltage level of the network as \$/kVA



Determine contribution to peak demand of each network charge at each voltage level



Apply diversity factor to calculate LRMC \$/kVA

Apply diversity factor to calculate LRMC \$/kVA

OR

Apply power factor to translate LRMC into \$/kWh



1.

Determine value of LRMC to be recovered from each network charge



Part 2. Determine residual costs by voltage level and network charge



Deduct total LRMC from annual allowed revenue to determine Residual costs

2.



Residual allocated to network charge components based on efficiency factor of the network charge



Residual allocated to network charge components based on efficiency factor of the network charge



Residual allocated to network charge components based on efficiency factor of the network charge, using historical rates as starting point in the transition



1+2

Combine LRMC based components with residual costs to determine final network charge structures

12 Compliance with the National Electricity Rules

Clause 6.18.5(e) of the Rules establishes limits on the residual costs that can be recovered from any one tariff class, with the revenue expected to be recovered for each tariff class lying between an upper bound (the stand-alone cost) and a lower bound (the avoidable cost).

More detail on our pricing principles and cost allocation can be found in the *Explanatory Statement to our Revised TSS* found at: <http://www.essentialenergy.com.au/content/tariff-structure-statement>

12.1.1.2 Network prices based on incremental and stand-alone cost principles

There are two principles that can be used to test for cross subsidisation in monopoly services:

> Stand-alone costs

Cross subsidisation exists when customers pay more for a service than the costs that would be incurred to build a network to provide supply to that class of customer only.

> Incremental costs

Cross subsidies do not exist when the revenues received for a service are less than the stand-alone cost or are greater than the incremental or marginal cost of providing the service. The incremental cost test is appropriate when the goal is to show that prices for services are not 'unfair'.

The range of prices that lies between incremental cost and stand-alone cost is known as the subsidy-free pricing zone. Cross subsidisation occurs when prices lie outside this zone. Essential Energy has developed a marginal cost and stand-alone Cost of Supply model for this purpose. The *Explanatory Statement to our Revised TSS* provides details of the methodology used, incremental cost and stand-alone cost of supplying network distribution services to customers connected to Essential Energy's network.

How our proposed 2019–20 revenue (\$m) by customer class complies with the NER

Customer class	Avoidable	Stand-alone	Proposed	Proposed revenue lies between stand-alone and avoidable cost?
Low voltage Residential & Small Business customers	323	2,186	741	Yes
Low voltage Large Business	91	725	190	Yes
High voltage Demand	29	250	48	Yes
Sub-transmission	8	73	16	Yes
Unmetered Supply	6	52	6.5	Yes

12.1.1.3 Network prices based on fully distributed cost principles

Network costs are largely fixed and sunk, and due to the meshed nature of electricity distribution networks, pricing must involve a substantial degree of averaging.

For these reasons, Essential Energy's approach to allocating costs to customers is primarily founded on equity considerations, where there is some degree of averaging present in the calculation of standard network prices for the majority of customers belonging to general customer classes.

12 Compliance with the National Electricity Rules

Essential Energy has adopted the average or fully distributed cost approach for the allocation of the revenue requirement. Network revenue as a cost is allocated to standard customer classes based on the use of network assets, with prices averaged by customer class. It is applied to individual prices for very large customers and standard published network prices.

We believe this average allocation approach best reflects the way costs are incurred by customer classes and provides equitable and reasonably efficient outcomes.

12.1.1.4 Marginal and stand-alone cost allocation process

Essential Energy's Cost of Supply model assesses cost allocations to customer classes both on a LRM and stand-alone basis. It is inappropriate for network distribution service charges to be below the incremental cost (or LRM) of supply as it results in inefficient pricing signals. It is also inappropriate for charges to exceed that which the customer could pay for the stand-alone cost to supply that customer class.

The stand-alone cost of supply is the total cost that would be required to serve those customers if we were to build the network anew to meet their specific requirements. This upper bound ensures that customers in any given tariff class do not pay more as a result of the provision of services to other customers.

Marginal costs are established by assessing the marginal component of the cost pools and allocating these costs to customer classes. This process considers the usage of the distribution network and other distribution network services and the impact on future capital expenditure made by each customer class. The LRM of the distribution network is determined by separately identifying capacity related expenditure and averaging this over a forecast change in output (the Average Incremental Cost Approach). Further details on the LRM calculations are contained in the Addendum to our TSS.

The network price for each customer class is then compared with the stand-alone costs and LRM to determine if any cross-subsidisation exists.

Table 12 of this report demonstrates the relationship between current network prices and LRM .

Table 12: Proposed transition of peak prices to efficient levels

Tariff	Description	Current 2018-19	Proposed 2019-20	LRM Price Level
ToU tariffs				
BLNT3AU	Residential Anytime	10.0164	10.1175	4.9721
BLNT3AL	LV Residential ToU_Interval meter	10.5172	10.6233	5.1760
BLNT2AU	LV ToU <100MWh	10.4619	10.5674	4.3380
BLNT2AL	LV Business ToU_Interval meter	10.9849	11.0958	7.2301
Demand tariffs				
BLND1AR	Residential - Opt-in Demand	3.9082	3.9476	5.6292
BLND1AB	Small Business - Opt-in Demand	6.3508	6.4149	5.6292
BLND3AO	LV ToU Demand 3 Rate	9.8688	9.9185	2.7471
BLNDTRS	Transitional Demand	3.9475	4.9593	2.5156
BHND3AO	HV ToU mthly Demand	8.6575	8.7449	2.8758
BSSD3AO	SUB TRANS Demand 3 rate	3.3409	3.3746	0.7006

12 Compliance with the National Electricity Rules

Table 13 Detailed checklist of the National Electricity Rules

Rule	Relevant requirement	Relevant section
6.18.2(b)	A Pricing Proposal must:	
6.18.2(b)(2)	set out the proposed tariffs for each tariff class that is specified in the Distribution Network Service Provider's tariff structure statement for the relevant regulatory control period;	Section 2 & Appendix 1
6.18.2(b)(3)	set out, for each proposed tariff, the charging parameters and the elements of service to which each charging parameter relates;	Section 3 & Appendix 1
6.18.2(b)(4)	set out, for each tariff class related to standard control services, the expected weighted average revenue for the relevant regulatory year and also for the current regulatory year;	Section 4
6.18.2(b)(5)	set out the nature of any variation or adjustment to the tariff that could occur during the course of the regulatory year and the basis on which it could occur;	Section 5
6.18.2(b)(6)	set out how designated pricing proposal charges are to be passed on to customers and any adjustments to tariffs resulting from over or under recovery of those charges in the previous regulatory year;	Section 7
6.18.2(b)(6A)	set out how jurisdictional scheme amounts for each approved jurisdictional scheme are to be passed on to customers and any adjustments to tariffs resulting from over or under recovery of those amounts;	Section 6
6.18.2(b)(6B)	describe how each approved jurisdictional scheme that has been amended since the last jurisdictional scheme approval date meets the jurisdictional scheme eligibility criteria;	n/a
6.18.2(b)(7)	demonstrate compliance with the Rules and any applicable distribution determination, including the Distribution Network Service Provider's tariff structure statement for the relevant regulatory control period;	Section 8 and Appendices
6.18.2(b)(7A)	demonstrate how each proposed tariff is consistent with the corresponding indicative pricing levels for the relevant regulatory year as set out in the relevant indicative pricing schedule, or explain any material differences between them; and	Section 11 & Appendix 5
6.18.2(b)(8)	describe the nature and extent of change from the previous regulatory year and demonstrate that the changes comply with the Rules and any applicable distribution determination.	Section 9
6.18.2(c)	The AER must on receipt of a pricing proposal from a Distribution Network Service Provider publish the proposal.	Noted
6.18.2(d)	At the same time as a Distribution Network Service Provider submits a pricing proposal under paragraph (a), the Distribution Network Service Provider must submit to the AER a revised indicative pricing schedule which sets out, for each tariff and for each of the remaining regulatory years of the regulatory control period, the indicative price levels determined in accordance with the Distribution Network Service Provider's tariff structure statement for that regulatory control period and updated so as to take into account that pricing proposal.	Attachment 5 to this pricing Report
6.18.2(e)	Where the Distribution Network Service Provider submits an annual pricing proposal, the revised indicative pricing schedule referred to in paragraph (d) must also set out, for each relevant tariff under clause 6.18.1C, the indicative price levels for that relevant tariff for each of the remaining regulatory years of the regulatory control period, updated so as to take into account that pricing proposal.	Attachment 5 to this pricing Report

12 Compliance with the National Electricity Rules

Rule	Relevant requirement	Relevant section
6.18.5	Pricing principles	
6.18.5(e)	For each tariff class, the revenue expected to be recovered must lie on or between:	
6.18.5(e)(1)	an upper bound representing the stand alone cost of serving the retail customers who belong to that class; and	Section 12
6.18.5(e)(2)	a lower bound representing the avoidable cost of not serving those retail customers.	Section 12
6.18.5(f)	Each tariff must be based on the long run marginal cost of providing the service to which it relates to the retail customers assigned to that tariff with the method of calculating such cost and the manner in which that method is applied to be determined having regard to:	Section 12 & TSS
6.18.5(f)(1)	the costs and benefits associated with calculating, implementing and applying that method as proposed;	Section 12 & TSS
6.18.5(f)(2)	the additional costs likely to be associated with meeting demand from retail customers that are assigned to that tariff at times of greatest utilisation of the relevant part of the distribution network; and	Section 12 & TSS
6.18.5(f)(3)	the location of retail customers that are assigned to that tariff and the extent to which costs vary between different locations in the distribution network.	Section 12 & TSS
6.18.5(g)	The revenue expected to be recovered from each tariff must:	
6.18.5(g)(1)	reflect the Distribution Network Service Provider's total efficient costs of serving the retail customers that are assigned to that tariff;	Section 12
6.18.5(g)(2)	when summed with the revenue expected to be received from all other tariffs, permit the Distribution Network Service Provider to recover the expected revenue for the relevant services in accordance with the applicable distribution determination for the Distribution Network Service Provider; and	Section 8
6.18.5(g)(3)	comply with sub-paragraphs (1) and (2) in a way that minimises distortions to the price signals for efficient usage that would result from tariffs that comply with the pricing principle set out in paragraph (f).	Section 8 & 12 & TSS
6.18.5(h)	A Distribution Network Service Provider must consider the impact on retail customers of changes in tariffs from the previous regulatory year and may vary tariffs from those that comply with paragraphs (e) to (g) to the extent the Distribution Network Service Provider considers reasonably necessary having regard to:	Section 10 & TSS
6.18.5(h)(1)	the desirability for tariffs to comply with the pricing principles referred to in paragraphs (f) and (g), albeit after a reasonable period of transition (which may extend over more than one regulatory control period);	Section 12 & TSS
6.18.5(h)(2)	the extent to which retail customers can choose the tariff to which they are assigned; and	Appendix 1 & TSS
6.18.5(h)(3)	the extent to which retail customers are able to mitigate the impact of changes in tariffs through their usage decisions.	TSS

13 Network Charge Assignment and Reassignment

13 Network Charge Assignment and Reassignment

This chapter sets out our policies and procedures governing assignment or reassignment of Essential Energy's retail customers for direct control services.

13.1.1.1 Procedures for assigning and reassigning retail customers to customer classes

1 The procedure outlined in this section applies to direct control services.

Assignment of existing customers to customer classes at the commencement of the regulatory control period

2 Essential Energy's customers will be taken to be assigned to the customer class to which they were assigned immediately prior to 1 July 2019, if:

- They were a customer prior to 1 July 2019, and
- Continue to be a customer as at 1 July 2019.

Assignment of new customers to a network charge class during the regulatory control period

- 3 New connection or a change of occupancy will trigger assignment.
- 4 For new connections, Essential Energy will use the estimated information collected from the retailer's B2B service order, in conjunction with the system of assessment described here, to assign the new customer to the appropriate network charge.
- 5 New residential and small business customers connecting to the network, will be assigned to the default cost-reflective network charge relevant to their metering technology.
- 6 Change of occupancy will lead to assignment to the default cost-reflective network charge where the appropriate metering technology is available at the premises. If the premises do not have a smart or interval meter, the customer will be assigned the network charge that previously existed at the premises. Where a network price change is required in connection with a change of occupancy, the retailer must request a network charge reassignment in accordance with the section on Network charge reassignment procedure below.
- 7 These customers will have the choice to opt out to an alternative network charge if they satisfy the necessary eligibility requirements.

Reassignment of existing customers to another existing or a new customer class during the regulatory control period

- 8 Reassignment can be triggered when an existing customer's load, connection and/or metering characteristics have changed such that it is no longer appropriate for that customer to be assigned to the network charge to which the customer is currently assigned. Existing residential and small business customers who:
 - upgrade their connection, through installing three-phase power or embedded generation, will be assigned to the default cost-reflective network charge relevant to their metering technology.
 - change their meter characteristics with the installation of a smart metering, with no other change to their connection, will be assigned to the default cost-reflective network charge relevant to their metering technology
- 9 Reassignment can be triggered by Essential Energy or a customer's retailer.
- 10 Customers may notify their retailer or Essential Energy if they identify that their current assignment is no longer appropriate.
- 11 If notified by a customer directly, Essential Energy is obliged to investigate, and where it finds the assignment is no longer appropriate, to initiate reassignment. In these instances Essential Energy is obliged to provide all notifications otherwise only sent to the customer's retailer, to both the customer's retailer and the customer directly.
- 12 In general, customers and customer's retailers may make one application for reassignment in any 12-month period per connection point. Essential Energy will consider exceptions on a case-by-case basis.
- 13 Whether the customer's retailer or Essential Energy initiates a network charge reassignment, Essential Energy will use the system of assessment described above to reassign the customer to the appropriate network charge.
- 14 The network charge change being applied from the last actual meter read date. For Smart Meters where daily reads occur, the last meter read date will be taken as the last invoiced meter read date (therefore end of month).

13 Network Charge Assignment and Reassignment

Reassignment triggered by the customer or customer's retailer

- 15 Customers and the customer's retailer should monitor the suitability of the network charge applied. Where a customer or customer's retailer identifies the existing network charge is not suitable, they must advise Essential Energy of the need for reassignment. Additionally, where it identifies a need for reassignment, Essential Energy can initiate reassignment.
- 16 Where the customer's retailer requests a network charge reassignment (on its own initiative or at the customer's request):
 - o the customer's retailer applies in writing by submitting the Supply Service Works Service Order (SSW-SO) for Network Charge Change via the Energy Market B2B processes; or
 - o if the request requires a metering configuration or update the customer's retailer would need to raise the appropriate B2B service order (Metering Service Works Service Order MSW-SO).

Reassignment triggered by Essential Energy

- > Where Essential Energy initiates the network charge reassignment, it will provide a notice to the customer's retailer prior to the actual network charge reassignment. Essential Energy will also advise the customer prior to the assignment if they are a business customer.
- > The obligation to notify a customer's retailer does not apply if the customer has agreed with its retailer and Essential Energy that its network charges are to be billed by Essential Energy directly to the retail customer, in which case Essential Energy must notify the customer directly.

Obsolete network charge

- 17 An obsolete network charge is a network charge that may apply to existing Essential Energy customers but is not available to new customers. Customers who choose to transfer off an obsolete network charge will lose all rights to all obsolete network charges on that premise, therefore the entire site will be required to move onto a currently available network charge. Exceptions apply when customers connect to additional services. Refer to Essential Energy's Network Price List and Explanatory Notes which is available on www.essentialenergy.com.au for further details in relation to obsolete network charge.
- 18 Customers may not go back onto an obsolete network charge once they have transferred off it.

Energy Saver (Controlled load)

- 19 Where a customer wishes to change from Energy Saver 1 to Energy Saver 2 (or vice-versa) the customer must notify its retailer.
- 20 To change Energy Saver network charge, the customer's retailer is required to submit the relevant Metering Service Works (Meter reconfiguration) B2B service order to trigger the necessary meter / relay re-configuration. Once the meter / relay reconfiguration has taken place, Essential Energy will perform the appropriate network charge reassignment without requiring the retailer to submit a SSW-SO.
- 21 The network charge will be changed as at the date of the Meter reconfiguration (therefore Frequency Injection Relay channel change).

Notifications

- 22 Essential Energy will notify the customer's retailer in writing of the network charge to which the customer will be assigned or reassigned prior to the network charge assignment or reassignment occurring:
 - o in the event Essential Energy initiates the network charge reassignment, Essential Energy will notify the customer's retailer in writing prior to the actual network charge reassignment occurring; and
 - o in the event the customer's retailer initiates the network charge reassignment, Essential Energy will notify the retailer in writing of the success or otherwise of the application. Where the application is not successful or where Essential Energy has decided to assign a network charge other than that proposed by the retailer, Essential Energy will advise the retailer of the reasons for the decision.
 - o The obligation to notify a customer's retailer does not apply if the customer has agreed with its retailer and Essential Energy that its network charges are to be billed by Essential Energy directly to the retail customer, in which case Essential Energy must notify the customer directly.
- 23 As part of its notification procedures, Essential Energy will advise the retailer that they can request further information from Essential Energy and that they may object to the network charge reassignment decision made by Essential Energy. Essential Energy will encourage retailers to request further information or clarification of its network charge reassignment decision before an objection is lodged.

13 Network Charge Assignment and Reassignment

- 24 If, in response to a notice issued in accordance with paragraph 23 above, Essential Energy receives a request for further information from a customer's retailer or customer, then it must provide such information. If any of the information requested is confidential then it is not required to provide that information to the retail customer.
- 25 The customer's retailer is wholly responsible for conveying the correct information to Essential Energy and communicating any further requests and decisions made by Essential Energy to the customer.

Objections

- 26 Essential Energy must allow retailers to object to a network charge reassignment decision made by Essential Energy. The objection procedure allows retailer's to formally request a review of the network charge reassignment decision.
- 27 The following steps will be applied as part of the objection procedure:
 - (a) Retailers must submit an objection in writing using Essential Energy's Network Charge Reassignment Objection form. Supporting evidence or documentation related to the decision being reviewed must be provided by the retailer. Retailers should make reference to their customer's load, connection and metering characteristics as part of the network charge reassignment objection. The completed form and supporting information and documentation will be emailed to networktariffchange@essentialenergy.com.au.
 - (b) Essential Energy's Network Pricing Manager must review the objection, including any documentation provided. In reviewing the objection, the Network Pricing Manager must assess if the original decision complies with this Network Charge Assignment and Reassignment policy, Essential Energy's regulatory obligations and must take into consideration any supporting evidence and documentation provided.
 - (c) Within 20 days of receiving the completed Network Charge Reassignment Objection form, Essential Energy must notify the customer's retailer, and where appropriate the customer, in writing of the outcome of the Network Pricing Manager's review and reasons for accepting or rejecting the objection. If Essential Energy believes the objection review process will take longer than 20 business days, Essential Energy must advise the retailer, and where appropriate the customer, accordingly.
- 28 If an objection to an assignment or reassignment is upheld:
 - (a) If the completed objection form is received within 20 business days from the date the retailer was advised of the original network charge reassignment decision, Essential Energy must apply the changes from the last actual meter read date prior to the original network charge reassignment application.
 - (b) If the completed objection form is received after 20 business days from the date the retailer was advised of the original network charge reassignment decision, Essential Energy must apply the changes from the last actual read date prior to the date the completed objection form is received.
 - (c) if Essential Energy requests further information from the retailer pertaining to the objection application, and such information is not provided within 20 business days from the date requested, Essential Energy must apply the changes following a subsequently successful objection from the last actual read date prior to the date the additional requested information is received.
- 29 Any adjustment to network charges billed to retailers, or directly to customers, because of upholding an objection to an assignment or reassignment, Essential Energy must do as part of the normal billing process, including of any compensation relating to the time value of money.
- 30 If an objection to a network charge class assignment or reassignment is upheld, then any adjustment which needs to be made to network charge levels will be done by Essential Energy as part of the next annual review of prices. If any objection is not satisfactorily resolved under Essential Energy's internal review procedure within a reasonable timeframe, then to the extent that the matter relates to a small retail customer and resolution of such disputes are within the jurisdiction of the Energy and Water Ombudsman NSW (EWON) the retail customer is entitled to escalate the matter to the EWON.
- 31 If the objection is not resolved to the satisfaction of the retail customer under Essential Energy's internal review procedure or EWON processes, then the retail customer is entitled to seek a decision of the AER via the dispute resolution process available under Part 10 of the NEL

14 Alternative Control Services

14 Alternative Control Services

Alternative control services are those that are provided by distributors to specific customers. They do not form part of the distribution use of system revenue allowance provided in the Determination. As these services are provided to specific customers, we recover the costs of providing alternative control services through a selection of fees, most of which are charged on a 'user pays' basis.

14.1.1.1 Public Lighting

Public lighting continues to be classified as an alternative control service in this regulatory control period.

Public lighting prices are set in accordance with the Determination and a full listing of public lighting charges is provided as Appendix 2 Essential Energy Public Lighting Price List.

14.1.1.2 Ancillary Network Services

Ancillary network services (ANS) are non-routine services distributors provide to individual customers on an 'as needs' basis. ANS may be a 'fee-based service' for tasks that are performed routinely and are based on a labour rate and a set time to perform the task, or a 'quoted service' which are once-off and specific to a customer's request. The cost of these services will depend on the actual time taken to perform the service, however with the hourly rate set, the longer it takes the distributor to perform the service, the more the customer will pay.

ANS fees for 2019-20 are in accordance with the Determination and rates are provided in Appendix 3 Ancillary Network Services (ANS) Price List

14.1.1.3 Type 5 and 6 metering charges

The AER classified type 5 and 6 metering services as alternative control services from 1 July 2015. The control mechanism for alternative control metering services is a cap on the prices of individual services. This means that the costs relating to the provision and maintenance of type 5 and 6 meters have been removed from standard control services and will be recovered through a separate metering charge.

The AER's Determination approves two types of metering service charges:

- > Upfront capital charge (for all new and upgraded meters installed from 1 July 2015)
- > Annual charge comprising of two components:
 - capital—metering asset base (MAB) recovery
 - non-capital—operating expenditure and tax.

The metering charges for 2019-20 are in accordance with the Determination and rates are provided in Appendix 4 Price Schedule Metering Services.

A1 – Network Price List 2019-20

NUoS Price List (Excluding GST)

Tariff Code	Description	Network Access \$/Day	Energy Anytime 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
Residential Tariffs									
BLNN2AU	LV Residential Anytime	0.8148	10.3496						
BLNT3AU	LV Residential ToU	0.8148		13.3273	11.9597	4.3713			
BLNT3AL	LV Residential ToU_Interval meter	0.8148		13.8332	11.5020	4.3713			
BLND1AR	Small Residential - Opt in Demand	0.8148		4.0348	3.3214	2.0402	3.9476		
Energy Saver (Controlled Load) Tariffs									
BLNC1AU	Energy Saver 1	0.0896	2.1472						
BLNC2AU	Energy Saver 2	0.0896	4.6460						
Export Tariffs									
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						
Business Tariffs									
BLNN1AU	LV Small Business Anytime	0.8148	14.2815						
BLNT2AU	LV ToU <100MWh	5.6482		14.1636	12.7531	6.3854			
BLNT2AL	LV Business ToU_Interval meter	1.4225		14.6920	12.2751	6.1745			
BLND1AB	Small Business – Opt-in Demand	1.4225		5.5161	4.3921	2.6187	6.4149		
BLNT1AO	LV ToU <160MWh	5.6482		14.1636	12.7531	6.3854			
BLNDTRS	Transitional Demand	10.2402		9.0911	8.1576	4.3442	4.9593	4.4869	1.0849
BLND3AO	LV ToU Demand 3 Rate	14.8322		4.0186	3.5620	2.3030	9.9185	8.9739	2.1699
BLND3TO	LV ToU Demand Alternative tariff	14.8322		12.6270	11.0452	4.6306	11.7727		
BHND3AO	HV ToU mthly Demand	18.3599		3.0613	2.7346	2.2244	8.7449	7.9120	2.3676
BSSD3AO	Sub Trans 3 Rate Demand	18.2249		3.8439	2.3054	1.9151	3.3746	2.4058	0.9590

A1 – Network Price List 2019-20

NUoS Price List (Excluding GST)

Tariff Code	Description	Network Access \$/Day	Energy Anytime 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	
Unmetered Tariffs										
BLNP1AO	LV Unmetered NUoS	0.8148	15.4660							
BLNP3AO	LV Public Street Lighting ToU NUoS	-		16.1844	14.1333	6.6668				
Essential Energy Customer Specific										
Customer specific prices	Sub-transmission or Inter Distributor Transfers	Various	Various	Various	Various	Various	Various	Various	Various	
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
Obsolete Tariffs - Not applicable to new connections										
BLNS1AO	LV ToU avg daily Demand	14.9819	3.6756	3.2639	2.1812		10.8132	9.7834	2.5004	
BHNS1AO	HV ToU avg daily Demand	17.8453	3.0341	2.7304	2.2170		9.2600	8.3781	2.5070	
BLNT1SU	LV ToU <160 MWh	6.5611	14.7108	12.6565	6.4279	-				-
BLND1CO BLND1NO	LV ToU Demand 1 Rate	19.3170	5.7113	5.0285	2.6925	16.0770				
BLND1SR	LV 1 Rate Demand Sth Rural	14.9819	11.9145	10.4148	4.2357	10.6781				3.8820
BLND1SU	LV 1 Rate Demand Sth Urban	4.0310	13.4421	11.7427	5.5950	10.4733				3.8869
BHND1CO	HV 1 Rate Demand Cent Urban ToU	24.7869	6.2080	6.1164	2.8014	11.7200				
BHND1SO BHND1SO	HV 1 Rate Demand Sth Urban	18.4760	5.6297	5.5607	4.0687	8.4638				3.1171

A1 – Network Price List 2019-20

NUoS Price List (Including GST)

Tariff Code	Description	Network Access \$/Day	Energy Anytime 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
Residential Tariffs									
BLNN2AU	LV Residential Anytime	0.8963	11.3846						
BLNT3AU	LV Residential ToU	0.8963		14.6600	13.1557	4.8084			
BLNT3AL	LV Residential ToU_Interval meter	0.8963		15.2165	12.6522	4.8084			
BLND1AR	Small Residential – Opt-in Demand	0.8963		4.4383	3.6535	2.2442	4.3424		
Energy Saver (Controlled Load) Tariffs									
BLNC1AU	Energy Saver 1	0.0986	2.3619						
BLNC2AU	Energy Saver 2	0.0986	5.1106						
Export Tariffs									
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						
Business Tariffs									
BLNN1AU	LV Small Business Anytime	0.8963	15.7097						
BLNT2AU	LV ToU <100MWh	6.2130		15.5800	14.0284	7.0239			
BLNT2AL	LV Business ToU_Interval meter	1.5648		16.1612	13.5026	6.7920			
BLND1AB	Small Business – Opt-in Demand	1.5648		6.0677	4.8313	2.8806	7.0564		
BLNT1AO	LV ToU <160MWh	6.2130		15.5800	14.0284	7.0239			
BLNDTRS	Transitional Demand	11.2642		10.0002	8.9734	4.7786	5.4552	4.9356	1.1934
BLND3AO	LV ToU Demand 3 Rate	16.3154		4.4205	3.9182	2.5333	10.9104	9.8713	2.3869
BLND3TO	LV ToU Demand Alternative tariff	16.3154		13.8897	12.1497	5.0937	12.9500		
BHND3AO	HV ToU mthly Demand	20.1959		3.3674	3.0081	2.4468	9.6194	8.7032	2.6044
BSSD3AO	Sub Trans 3 Rate Demand	20.0474		4.2283	2.5359	2.1066	3.7121	2.6464	1.0549

A1 – Network Price List 2019-20

NUoS Price List (Including GST)

Tariff Code	Description	Network Access \$/Day	Energy All 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	
Unmetered Tariffs										
BLNP1AO	LV Unmetered NUoS	0.8963	17.0126							
BLNP3AO	LV Public Lighting ToU NUoS	-		17.8028	15.5466	7.3335				
Essential Energy Customer Specific										
Customer specific prices	Sub-transmission or Inter Distributor Transfers	Various	Various	Various	Various	Various	Various	Various	Various	
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
Obsolete Tariffs - Not applicable to new connections										
BLNS1AO	LV ToU avg daily Demand	16.4801	4.0432	3.5903	2.3993		11.8945	10.7617	2.7504	
BHNS1AO	HV ToU avg daily Demand	19.6298	3.3375	3.0034	2.4387		10.1860	9.2159	2.7577	
BLNT1SU	LV ToU <160 MWh	7.2172	16.1819	13.9222	7.0707					-
BLND1CO BLND1NO	LV ToU Demand 1 Rate	21.2487	6.2824	5.5314	2.9618	17.6847				
BLND1SR	LV 1 Rate Demand Sth Rural	16.4801	13.1060	11.4563	4.6593	11.7459				4.2702
BLND1SU	LV 1 Rate Demand Sth Urban	4.4341	14.7863	12.9170	6.1545	11.5206				4.2756
BHND1CO	HV 1 Rate Demand Cent Urban ToU	27.2656	6.8288	6.7280	3.0815	12.8920				
BHND1SO BHND1SO	HV 1 Rate Demand Sth Urban	20.3236	6.1927	6.1168	4.4756	9.3102				3.4288

A1 – Network Price List 2019-20

Price List DUoS (Excluding GST)

Tariff Code	Description	Network Access \$/Day	Energy Anytime 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
Residential Tariffs									
BLNN2AU	LV Residential Anytime	0.8148	8.0428						
BLNT3AU	LV Residential ToU	0.8148		10.1175	9.1539	2.5889			
BLNT3AL	LV Residential ToU_Interval meter	0.8148		10.6233	8.6962	2.5889			
BLND1AR	Small Residential – Opt-in Demand	0.8148		0.8249	0.5156	0.2578	3.9476		
Energy Saver (Controlled Load) Tariffs									
BLNC1AU	Energy Saver 1	0.0896	0.3648						
BLNC2AU	Energy Saver 2	0.0896	2.4339						
Business Tariffs									
BLNN1AU	LV Small Business Anytime	0.8148	11.5885						
BLNT2AU	LV ToU <100MWh	5.6482		10.5674	9.5610	4.2167			
BLNT2AL	LV Business ToU_Interval meter	1.4225		11.0958	9.0830	4.0058			
BLND1AB	Small Business – Opt-in Demand	1.4225		1.9200	1.2000	0.4500	6.4149		
BLNT1AO	LV ToU <160MWh	5.6482		10.5674	9.5610	4.2167			
BLNDTRS	Transitional Demand	10.2402		5.6601	5.1077	2.1961	4.9593	4.4869	1.0849
BLND3AO	LV ToU Demand 3 Rate	14.8322		0.7528	0.6544	0.1756	9.9185	8.9739	2.1699
BLND3TO	LV ToU Demand Alternative tariff	14.8322		9.3613	8.1376	2.5032	11.7727		
BHND3AO	HV ToU mthly Demand	18.3599		0.5774	0.5019	0.2636	8.7449	7.9120	2.3676
BSSD3AO	Sub Trans 3 Rate Demand	18.2249		0.2057	0.1139	0.0957	3.3746	2.4058	0.9590
Unmetered Tariffs									
BLNP1AO	LV Unmetered NUoS	0.8148	12.7847						
BLNP3AO	LV Public Street Lighting ToU NUoS	-		12.6000	10.9529	4.5099			
Essential Energy Customer Specific									
Customer specific prices	Subtransmission or Inter Distributor Transfers	Various	Various	Various	Various	Various	Various	Various	Various

A1 – Network Price List 2019-20

Price List DUoS (Excluding GST)

Obsolete Tariff Code	Description	Network Access \$/Day Excluding GST	Energy Peak c/kWh Excluding GST	Energy Shoulder c/kWh Excluding GST	Energy Off-Peak c/kWh Excluding GST	Demand Charge \$/kVA/M Excluding GST	Peak Demand \$/kVA/M Excluding GST	Shoulder Demand \$/kVA/M Excluding GST	Off-Peak Demand \$/kVA/M Excluding GST	Capacity Charge \$/kVA/M Excluding GST
Obsolete Tariffs - Not applicable to new connections										
BLNS1AO	LV ToU avg daily Demand	14.9819	0.4099	0.3563	0.0539		10.8132	9.7834	2.5004	
BHNS1AO	HV ToU avg daily Demand	17.8453	0.5502	0.4978	0.2562		9.2600	8.3781	2.5070	
BLNT1SU	LV ToU <160 MWh	6.5611	11.1146	9.4644	4.2592	-				-
BLND1CO BLND1NO	LV ToU Demand 1 Rate	19.3170	1.8407	1.6001	0.3142	16.0770				
BLND1SR	LV 1 Rate Demand Sth Rural	14.9819	7.3008	6.3464	1.8090	10.6781				3.8820
BLND1SU	LV 1 Rate Demand Sth Urban	4.0310	8.8284	7.6743	3.1682	10.4733				3.8869
BHND1CO	HV 1 Rate Demand Cent Urban ToU	24.7869	2.3365	2.2449	0.4776	11.7200				
BHND1SO BHND1SO	HV 1 Rate Demand Sth Urban	18.4760	1.7582	1.6892	1.7450	8.4638				3.1171

A1 – Network Price List 2019-20

Price List TUOS (Excluding GST)

Tariff Code	Description	Network Access \$/Day	Energy Anytime 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
Residential Tariffs									
BLNN2AU	LV Residential Anytime	-	2.0070						
BLNT3AU	LV Residential ToU	-		2.9101	2.5061	1.4827			
BLNT3AL	LV Residential ToU_Interval meter	-		2.9101	2.5061	1.4827			
BLND1AR	Small Residential – Opt-in Demand	-		2.9101	2.5061	1.4827	-		
Energy Saver (Controlled Load) Tariffs									
BLNC1AU	Energy Saver 1	-	1.4827						
BLNC2AU	Energy Saver 2	-	1.9125						
Business Tariffs									
BLNN1AU	LV Small Business Anytime	-	2.0070						
BLNT2AU	LV ToU <100MWh	-		2.9101	2.5061	1.4827			
BLNT2AL	LV Business ToU_Interval meter	-		2.9101	2.5061	1.4827			
BLND1AB	Small Business – Opt-in Demand	-		2.9101	2.5061	1.4827	-		
BLNT1AO	LV ToU <160MWh	-		2.9101	2.5061	1.4827			
BLNDTRS	Transitional Demand	-		2.7449	2.3638	1.4620	-	-	-
BLND3AO	LV ToU Demand 3 Rate	-		2.5797	2.2215	1.4413	-	-	-
BLND3TO	LV ToU Demand Alternative tariff	-		2.5797	2.2215	1.4413	-	-	-
BHND3AO	HV ToU mthly Demand	-		1.8095	1.5583	1.2865	-	-	-
BSSD3AO	Sub Trans 3 Rate Demand	-		3.4585	2.0117	1.6397	-	-	-
Unmetered Tariffs									
BLNP1AO	LV Unmetered NUoS	-	2.0070						
BLNP3AO	LV Public Lighting ToU NUoS	-		2.9101	2.5061	1.4827			
Essential Energy Customer Specific									
Customer specific prices	Sub-transmission or Inter Distributor Transfers	Various	Various	Various	Various	Various	Various	Various	Various

A1 – Network Price List 2019-20

Price List TUOS (Excluding GST)

Obsolete Tariff Code	Description	Network Access \$/Day Excluding GST	Energy Peak c/kWh Excluding GST	Energy Shoulder c/kWh Excluding GST	Energy Off-Peak c/kWh Excluding GST	Demand Charge \$/kVA/M Excluding GST	Peak Demand \$/kVA/M Excluding GST	Shoulder Demand \$/kVA/M Excluding GST	Off-Peak Demand \$/kVA/M Excluding GST	Capacity Charge \$/kVA/M Excluding GST
Obsolete Tariffs - Not applicable to new connections										
BLNS1AO	LV ToU avg daily Demand	-	2.5797	2.2215	1.4413		-	-	-	
BHNS1AO	HV ToU avg daily Demand	-	1.8095	1.5583	1.2865		-	-	-	
BLNT1SU	LV ToU <160 MWh	-	2.9101	2.5061	1.4827	-				
BLND1CO BLND1NO	LV ToU Demand 1 Rate	-	3.1845	2.7424	1.6922	-				
BLND1SR	LV 1 Rate Demand Sth Rural	-	3.9277	3.3824	1.7408	-				-
BLND1SU	LV 1 Rate Demand Sth Urban	-	3.9277	3.3824	1.7408	-				-
BHND1CO	HV 1 Rate Demand Cent Urban ToU	-	3.1972	3.1972	1.6495	-				
BHND1SO BHND1SO	HV 1 Rate Demand Sth Urban	-	3.1972	3.1972	1.6495	-				-

A1 – Network Price List 2019-20

Price List CCF Component (Excluding GST)

Tariff Code	Description	Network Access \$/Day	Energy Anytime 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
Residential Tariffs									
BLNN2AU	LV Residential Anytime	-	0.2880						
BLNT3AU	LV Residential ToU	-		0.2880	0.2880	0.2880			
BLNT3AL	LV Residential ToU_Interval meter	-		0.2880	0.2880	0.2880			
BLND1AR	Small Residential – Opt-in Demand	-		0.2880	0.2880	0.2880	-		
Energy Saver (Controlled Load) Tariffs									
BLNC1AU	Energy Saver 1	-	0.2880						
BLNC2AU	Energy Saver 2	-	0.2880						
Business Tariffs									
BLNN1AU	LV Small Business Anytime	-	0.6743						
BLNT2AU	LV ToU <100MWh	-		0.6743	0.6743	0.6743			
BLNT2AL	LV Business ToU_Interval meter	-		0.6743	0.6743	0.6743			
BLND1AB	Small Business – Opt-in Demand	-		0.6743	0.6743	0.6743	-		
BLNT1AO	LV ToU <160MWh	-		0.6743	0.6743	0.6743			
BLNDTRS	Transitional Demand	-		0.6743	0.6743	0.6743	-	-	-
BLND3AO	LV ToU Demand 3 Rate	-		0.6743	0.6743	0.6743	-	-	-
BLND3TO	LV ToU Demand Alternative tariff	-		0.6743	0.6743	0.6743		-	
BHND3AO	HV ToU mthly Demand	-		0.6743	0.6743	0.6743	-	-	-
BSSD3AO	Sub Trans 3 Rate Demand	-		0.1798	0.1798	0.1798	-	-	-
Unmetered Tariffs									
BLNP1AO	LV Unmetered NUoS	-	0.6743						
BLNP3AO	LV Public Lighting ToU NUoS	-		0.6743	0.6743	0.6743			
Essential Energy Customer Specific									
Customer specific prices	Subtransmission or Inter Distributor Transfers	Various	Various	Various	Various	Various	Various	Various	Various

A1 – Network Price List 2019-20

Price List CCF Component (Excluding GST)

Obsolete Tariff Code	Description	Network Access \$/Day Excluding GST	Energy Peak c/kWh Excluding GST	Energy Shoulder c/kWh Excluding GST	Energy Off-Peak c/kWh Excluding GST	Demand Charge \$/kVA/M Excluding GST	Peak Demand \$/kVA/M Excluding GST	Shoulder Demand \$/kVA/M Excluding GST	Off-Peak Demand \$/kVA/M Excluding GST	Capacity Charge \$/kVA/M Excluding GST
Obsolete Tariffs - Not applicable to new connections										
BLNS1AO	LV ToU avg daily Demand	-	0.6743	0.6743	0.6743		-	-	-	
BHNS1AO	HV ToU avg daily Demand	-	0.6743	0.6743	0.6743		-	-	-	
BLNT1SU	LV ToU <160 MWh	-	0.6743	0.6743	0.6743	-				
BLND1CO BLND1NO	LV ToU Demand 1 Rate	-	0.6743	0.6743	0.6743	-				
BLND1SR	LV 1 Rate Demand Sth Rural	-	0.6743	0.6743	0.6743	-				-
BLND1SU	LV 1 Rate Demand Sth Urban	-	0.6743	0.6743	0.6743	-				-
BHND1CO	HV 1 Rate Demand Cent Urban ToU	-	0.6743	0.6743	0.6743	-				
BHND1SO BHND1SO	HV 1 Rate Demand Sth Urban	-	0.6743	0.6743	0.6743	-				-

A1 – Network Price List 2019-20

Price List QSS (Excluding GST)

Tariff Code	Description	Network Access \$/Day	Energy Anytime 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
Residential Tariffs									
BLNN2AU	LV Residential Anytime	-	0.0117						
BLNT3AU	LV Residential ToU	-		0.0117	0.0117	0.0117			
BLNT3AL	LV Residential ToU_Interval meter	-		0.0117	0.0117	0.0117			
BLND1AR	Small Residential – Opt-in Demand	-		0.0117	0.0117	0.0117	-		
Energy Saver (Controlled Load) Tariffs									
BLNC1AU	Energy Saver 1	-	0.0117						
BLNC2AU	Energy Saver 2	-	0.0117						
Business Tariffs									
BLNN1AU	LV Small Business Anytime	-	0.0117						
BLNT2AU	LV ToU <100MWh	-		0.0117	0.0117	0.0117			
BLNT2AL	LV Business ToU_Interval meter	-		0.0117	0.0117	0.0117			
BLND1AB	Small Business – Opt-in Demand	-		0.0117	0.0117	0.0117	-		
BLNT1AO	LV ToU <160MWh	-		0.0117	0.0117	0.0117			
BLNDTRS	Transitional Demand	-		0.0117	0.0117	0.0117	-	-	-
BLND3AO	LV ToU Demand 3 Rate	-		0.0117	0.0117	0.0117	-	-	-
BLND3TO	LV ToU Demand Alternative tariff	-		0.0117	0.0117	0.0117		-	
BHND3AO	HV ToU mthly Demand	-		-	-	-	-		-
BSSD3AO	Sub Trans 3 Rate Demand	-		-	-	-	-	-	-
Unmetered Tariffs									
BLNP1AO	LV Unmetered NUoS	-	-						
BLNP3AO	LV Public Lighting ToU NUoS	-		-	-	-			
Essential Energy Customer Specific									
Customer specific prices	Subtransmission or Inter Distributor Transfers	Various	Various	Various	Various	Various	Various	Various	Various

A1 – Network Price List 2019-20

Price List QSS (Excluding GST)

Obsolete Tariff Code	Description	Network Access \$/Day Excluding GST	Energy Peak c/kWh Excluding GST	Energy Shoulder c/kWh Excluding GST	Energy Off-Peak c/kWh Excluding GST	Demand Charge \$/kVA/M Excluding GST	Peak Demand \$/kVA/M Excluding GST	Shoulder Demand \$/kVA/M Excluding GST	Off-Peak Demand \$/kVA/M Excluding GST	Capacity Charge \$/kVA/M Excluding GST
Obsolete Tariffs - Not applicable to new connections										
BLNS1AO	LV ToU avg daily Demand	-	0.0117	0.0117	0.0117		-	-	-	
BHNS1AO	HV ToU avg daily Demand	-	-	-	-		-	-	-	
BLNT1SU	LV ToU <160 MWh	-	0.0117	0.0117	0.0117	-				
BLND1CO BLND1NO	LV ToU Demand 1 Rate	-	0.0117	0.0117	0.0117	-				
BLND1SR	LV 1 Rate Demand Sth Rural	-	0.0117	0.0117	0.0117	-				-
BLND1SU	LV 1 Rate Demand Sth Urban	-	0.0117	0.0117	0.0117	-				-
BHND1CO	HV 1 Rate Demand Cent Urban ToU	-	-	-	-	-				
BHND1SO BHND1SO	HV 1 Rate Demand Sth Urban	-	-	-	-	-				-

A1 – Network Price List 2019-20

Explanatory Notes

Tariff	Explanation
BLNN2AU LV Residential Anytime	Premises wholly used as a private dwelling where consumption does not exceed 160 MWh per year.
BLNT3AU LV Residential ToU	Premises wholly used as a private dwelling where consumption does not exceed 160 MWh per year and they have a ToU capable meter.
BLNT3AL LV Residential ToU_Interval meter	Premises wholly used as a private dwelling where consumption does not exceed 160 MWh per year and they have an Interval capable meter.
BLND1AR Small Residential – Opt-in Demand	Premises wholly used as a private dwelling where consumption does not exceed 160 MWh per year and they have an Interval capable meter.
BLNC1AU Energy Saver 1	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.
BLNC2AU Energy Saver 2	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.
BLNE21AU Anytime Export Gross metered	Residential premises with a gross metered export tariff and no rebate applicable
BLNE23AU Anytime Export Net metered	Residential premises with a net metered export tariff and no rebate applicable
BLNE20AU Anytime Export Gross metered	Business premises with a gross metered export tariff and no rebate applicable
BLNE22AU Anytime Export Net metered	Business premises with a net metered export tariff and no rebate applicable
BLNE0AU Ineligible Export	Where application to connect to grid has not yet been approved.

A1 – Network Price List 2019-20

Tariff	Explanation
BLNE26AU QLD Government Solar Bonus	QLD Government Solar bonus scheme for eligible residential customers located in Qld but connected to Essential Energy's Distribution Network.
BLNE27AU QLD Government Solar Bonus	QLD Government Solar bonus scheme for eligible business customers located in Qld but connected to Essential Energy's Distribution Network.
BLNN1AU LV Small Business Anytime	Business premises whose consumption does not exceed 100 MWh per year.
BLNT2AU LV ToU <100MWh	Business premises whose consumption does not exceed 100 MWh per year and they have a ToU capable meter.
BLNT2AL LV Business ToU_Interval meter	Business premises whose consumption does not exceed 100 MWh per year and they have an Interval capable meter.
BLND1AB Small Business – Opt-in Demand	Business premises whose consumption does not exceed 100 MWh per year and they have an Interval capable meter.
BLNT1AO LV ToU <160MWh	Only available to business premises whose consumption does not exceed 160 MWh per year.
BLNDTRS Transitional Demand	Eligible customers will be automatically assigned to this tariff by Essential Energy and it is not available by request. This tariff is for customers that have been identified on an Anytime tariff or Time-of-Use tariff but do not meet the associated eligibility requirements for those tariffs. Applies from 1 July 2017 and will be assigned to customers who would otherwise be worse off from being moved to the applicable Demand tariff at that date. The tariff will transition over 5 years to the rate of BLND3AO <ol style="list-style-type: none"> 1. Low voltage connection 2. Premises where consumption exceeds 160 MWh per year 3. Interval capable meter
BLND3AO LV ToU Demand 3 Rate	Business premises whose consumption exceeds 160MWh per year and connected to the LV Distribution System.
BLNS1AO LV ToU Avg daily Demand	Not available to new customers. 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: <ol style="list-style-type: none"> 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. 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. 3. The average ToU Demand calculated above will be multiplied by the ToU Demand rates. 4. No adjustments to billable demand shall be made for pre-season "test runs".

A1 – Network Price List 2019-20

Tariff	Explanation
BLND3TO LV ToU Demand Alternative Tariff	The Demand Charge is based on the highest measured half-hour kVA demand registered in either the peak or shoulder periods during the month.
BHND3AO HV ToU Mthly Demand	Business premises whose consumption is connected to the HV Distribution System and metered at HV.
BHNS1AO HV ToU Avg daily Demand	Not available to new customers. 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: 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. 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. 3. The average ToU Demand calculated above will be multiplied by the ToU Demand rates. 4. No adjustments to billable demand shall be made for pre-season "test runs".
BSSD3AO Sub Trans 3 Rate Demand	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
BLNP1AO LV Unmetered NUoS	Refer to Unmetered Supply section 2 Definitions. All new unmetered supply connections will have this tariff applied.
BLNP3AO LV Public Lighting ToU NUoS	Refer to Unmetered Supply section 2 Definitions. All new public street lighting connections will have this tariff applied.
Customer specific prices	Customer Specific (cost reflective network prices)

A2 – Public Lighting Price List 2019-20

Public Lighting Price List

Support Type	Capex	Opex	
7.5m Steel Column Single Outreach	\$148.61	\$13.05	
7.5m Steel Column Double Outreach	\$155.20	\$13.05	
9.0m Steel Column Single Outreach	\$212.99	\$13.05	
9.0m Steel Column Double Outreach	\$245.14	\$13.05	
10.5m Steel Column Single Outreach	\$294.44	\$13.05	
10.5m Steel Column Double Outreach	\$341.08	\$13.05	
12.0m Steel Column Single Outreach	\$335.83	\$13.05	
12.0m Steel Column Double Outreach	\$343.21	\$13.05	
12m Roundabout Column	\$457.03	\$13.05	
15m Roundabout Column	\$392.45	\$13.05	
18m Roundabout Column	\$680.05	\$13.05	
9.5m Timber Pole	\$93.42	\$15.14	
11m Timber Pole	\$133.25	\$15.14	
12.5m Timber Pole	\$147.01	\$15.14	
14m Timber Pole	\$156.33	\$15.14	
15.5m Timber Pole	\$166.31	\$15.14	
Decorative Category P Column	\$205.03	\$13.05	
Suspended		\$30.27	
Night Patrol	Capex	Opex	
Night Patrol Per Asset Inspection	\$0.00	\$8.15	
Bracket Type	Capex	Opex	
Streetlight Bracket Category P	\$16.14	\$0.00	
Streetlight Bracket Category V	\$29.31	\$0.00	
Traditional Luminaire Type	Category	Capex	Opex
Tubular Fluorescent <40W	P	\$0.00	\$45.67
Tubular Fluorescent >40W	P	\$22.65	\$45.42
42W CFL Standard	P	\$30.02	\$52.11
42W CFL Decorative	P	\$84.21	\$52.11
32W Compact Fluorescent	P	\$80.98	\$54.45
2x14W T5 Fluoro	P	\$0.00	\$55.91
50W High Pressure Sodium	P	\$0.00	\$71.67
50W High Pressure Sodium - Twin Arc	P	\$28.53	\$54.45
70W High Pressure Sodium	P	\$27.95	\$71.76
70W High Pressure Sodium - Twin Arc	P	\$28.53	\$49.70
100W High Pressure Sodium	P	\$0.00	\$71.76
120W High Pressure Sodium	V	\$0.00	\$82.65
150W High Pressure Sodium	V	\$61.76	\$82.65
150W High Pressure Sodium - Twin Arc	V	\$63.37	\$70.78
220W High Pressure Sodium	V	\$0.00	\$83.37
250W High Pressure Sodium	V	\$61.76	\$83.37
250W High Pressure Sodium - Twin Arc	V	\$68.90	\$81.16
2x250W High Pressure Sodium	V	\$0.00	\$83.37
310W High Pressure Sodium	V	\$0.00	\$83.37
360W High Pressure Sodium	V	\$71.37	\$91.33
400W High Pressure Sodium	V	\$71.37	\$91.33
400W High Pressure Sodium - Twin Arc	V	\$74.31	\$72.49
2x400W High Pressure Sodium	V	\$0.00	\$91.33

A2 – Public Lighting Price List 2019-20

Traditional Luminaire Type	Category	Capex	Opex
3x400W High Pressure Sodium	V	\$0.00	\$91.33
1000W High Pressure Sodium	V	\$0.00	\$268.52
Incandescent 60	P	\$0.00	\$46.55
Incandescent 75	P	\$0.00	\$46.55
Incandescent 100	P	\$0.00	\$46.55
Incandescent 150	P	\$0.00	\$46.55
Incandescent 200	P	\$0.00	\$46.55
Incandescent 300	P	\$0.00	\$46.55
Incandescent 500	P	\$0.00	\$46.55
Incandescent 1500	P	\$0.00	\$46.55
55W Low Pressure Sodium	P	\$61.76	\$112.98
100W Low Pressure Sodium	P	\$61.76	\$113.46
135W Low Pressure Sodium	V	\$0.00	\$155.90
150W Low Pressure Sodium	V	\$0.00	\$155.90
310W Low Pressure Sodium	V	\$0.00	\$155.90
70W Metal Hallide	V	\$0.00	\$130.76
150W Metal Hallide	V	\$0.00	\$130.76
250W Metal Hallide	V	\$61.76	\$130.76
400W Metal Hallide	V	\$61.76	\$137.35
1000W Metal Hallide	V	\$137.28	\$268.52
50W Mercury Vapour	P	\$22.65	\$65.01
80W Mercury Vapour	P	\$22.65	\$55.26
125W Mercury Vapour	P	\$0.00	\$61.82
250W Mercury Vapour	V	\$61.76	\$122.72
400W Mercury Vapour	V	\$61.76	\$138.30
250W HPS Asymetric Floodlight	V	\$79.79	\$83.37
400W HPS Asymetric Floodlight	V	\$81.62	\$91.33
250W MH Asymetric Floodlight	V	\$77.41	\$130.76
400W MH Asymetric Floodlight	V	\$79.79	\$137.35
LED Luminaire Type	Category	Capex	Opex
23W LED Gerard StreetLED	P	\$69.75	\$34.63
17W LED Gerard StreetLED	P	\$71.59	\$34.63
17W LED Gerard StreetLED Aeroscreen	P	\$73.51	\$34.63
17W LED Gerard StreetLED Louvred	P	\$73.51	\$34.63
22W LED Gerard StreetLED	P	\$71.59	\$34.63
25W LED GE Evolve	P	\$53.25	\$40.07
35W LED Pecan Luminaire	P	\$85.98	\$34.17
29W LED Pecan Luminaire - Aeroscreen	P	\$85.98	\$33.96
42W LED Gerard StreetLED	P	\$136.88	\$34.63
42W LED Pecan Luminaire	V	\$136.88	\$47.51
36W LED Pecan Luminaire - Aeroscreen	V	\$136.88	\$47.51
105W LED Aldridge Luminaire	V	\$216.19	\$47.51
198W LED Aldridge Standard Distribution	V	\$228.57	\$49.92
198W LED Aldridge Forward Distribution	V	\$226.22	\$49.92
298W LED Aldridge Luminaire	V	\$254.15	\$49.92
100W LED Aldridge Luminaire	V	\$227.62	\$49.92
200W LED Aldridge Luminaire	V	\$227.62	\$49.92
300W LED Aldridge Luminaire	V	\$253.05	\$49.92

All Category V luminaires charges are inclusive of the Night Patrol charge

A3 - Ancillary Network Services (ANS) Price List 2019-20

Schedule of charges for Ancillary Network Services

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
1. Design Related Service	1.1 Design Information	Underground Urban Residential Subdivision (Vacant Lots) - Up to 5 Lots	Per Job	Fee	\$471.33
		Underground Urban Residential Subdivision (Vacant Lots) - 6 to 10 Lots	Per Job	Fee	\$628.44
		Underground Urban Residential Subdivision (Vacant Lots) - 11 to 40 Lots	Per Job	Fee	\$1,099.77
		Underground Urban Residential Subdivision (Vacant Lots) - Over 40 Lots	Per Job	Fee	\$1,413.99
		Rural Overhead Subdivisions and Rural Extensions - All	Per Job	Hourly Rate	\$157.11
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - All	Per Job	Hourly Rate	\$157.11
		Commercial / Industrial Developments and Sub Transmission - All	Per Job	Hourly Rate	\$157.11
		Asset Relocations or Streetlighting (Not forming part of other categories) - All	Per Job	Hourly Rate	\$157.11
	1.2 Design Certification	Underground Urban Residential Subdivision (Vacant Lots) - Up to 5 Lots	Per Job	Fee	\$314.22
		Underground Urban Residential Subdivision (Vacant Lots) - 6 to 10 Lots	Per Job	Fee	\$471.33
		Underground Urban Residential Subdivision (Vacant Lots) - 11 to 40 Lots	Per Job	Fee	\$785.55
		Underground Urban Residential Subdivision (Vacant Lots) - Over 40 Lots	Per Job	Fee	\$942.66
		Rural Overhead Subdivisions and Rural Extensions - Up to 5 Poles	Per Job	Fee	\$314.22
		Rural Overhead Subdivisions and Rural Extensions - 6 to 10 Poles	Per Job	Fee	\$471.33
		Rural Overhead Subdivisions and Rural Extensions - 11 or More Poles	Per Job	Fee	\$785.55
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Up to 10 Lots	Per Job	Fee	\$471.33
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - 11 to 40 Lots	Per Job	Fee	\$628.44
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Over 40 Lots	Per Job	Fee	\$942.66
		Commercial / Industrial Developments and Sub Transmission - All	Per Job	Hourly Rate	\$157.11

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
		Asset Relocations or Streetlighting (Not forming part of other categories) - All	Per Job	Hourly Rate	\$157.11
	1.3 Design Re-checking	Underground Urban Residential Subdivision (Vacant Lots) - All	Per Job	Hourly Rate	\$157.11
		Rural Overhead Subdivisions and Rural Extensions - All	Per Job	Hourly Rate	\$157.11
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - All	Per Job	Hourly Rate	\$157.11
		Commercial / Industrial Developments and Sub Transmission - All	Per Job	Hourly Rate	\$157.11
		Asset Relocations or Streetlighting (Not forming part of other categories) - All	Per Job	Hourly Rate	\$157.11
		1.4 Design Re-certification (NEW)	Underground Urban Residential Subdivision (Vacant Lots) - All	Per Job	Hourly Rate
	Rural Overhead Subdivisions and Rural Extensions - All		Per Job	Hourly Rate	\$157.11
	Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - All		Per Job	Hourly Rate	\$157.11
	Commercial / Industrial Developments and Sub Transmission - All		Per Job	Hourly Rate	\$157.11
	Asset Relocations or Streetlighting (Not forming part of other categories) - All		Per Job	Hourly Rate	\$157.11
	1.5 Administration	Underground Urban Residential Subdivision (Vacant Lots) - Up to 5 Lots	Per Job	Fee	\$418.96
		Underground Urban Residential Subdivision (Vacant Lots) - 6 to 10 Lots	Per Job	Fee	\$523.70
		Underground Urban Residential Subdivision (Vacant Lots) - 11 to 40 Lots	Per Job	Fee	\$733.18
		Underground Urban Residential Subdivision (Vacant Lots) - Over 40 Lots	Per Job	Fee	\$837.92
		Rural Overhead Subdivisions and Rural Extensions - Up to 5 Poles	Per Job	Fee	\$418.96
		Rural Overhead Subdivisions and Rural Extensions - 6 to 10 Poles	Per Job	Fee	\$523.70
		Rural Overhead Subdivisions and Rural Extensions - 11 or More Poles	Per Job	Fee	\$942.66
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - All	Per Job	Hourly Rate	\$104.74
		Commercial / Industrial Developments and Sub Transmission - All	Per Job	Hourly Rate	\$104.74

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
		Asset Relocations or Streetlighting (Not forming part of other categories) - All	Per Job	Hourly Rate	\$104.74
	1.6 Non - Standard Design Approval (NEW)	Underground Urban Residential Subdivision (Vacant Lots) - All	Per Job	Hourly Rate	\$196.39
		Rural Overhead Subdivisions and Rural Extensions - All	Per Job	Hourly Rate	\$196.39
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - All	Per Job	Hourly Rate	\$196.39
		Commercial / Industrial Developments and Sub Transmission - All	Per Job	Hourly Rate	\$196.39
		Asset Relocations or Streetlighting (Not forming part of other categories) - All	Per Job	Hourly Rate	\$196.39
2. Connection Application Related Services	2.1 Connections Customer Interface co-ordination	Customer Interface co-ordination for contestable works - Basic	Per Job	Hourly Rate	\$177.59
		Customer Interface co-ordination for contestable works - Complex	Per Job	Hourly Rate	\$196.39
	2.2 Preliminary Enquiry Service	Preliminary Enquiry Service - Basic	Per Enquiry	Hourly Rate	\$177.59
		Preliminary Enquiry Service - Complex	Per Enquiry	Hourly Rate	\$196.39
	2.3 Connection / relocation process facilitation	Connection / relocation process facilitation - All	Per Hour	Hourly Rate	\$157.11
	2.4 Connection Offer Service	Connection Offer Service - Basic	Per Offer	Fee	\$26.18
		Connection Offer Service - Basic - Technical Review (NEW)	Per Offer	Fee	\$117.83
		Connection Offer Service - Standard	Per Offer	Fee	\$157.11
	2.5 Planning, Protection and Power Quality Studies	Planning / Protection Studies and Analysis	Per Job	Hourly Rate	\$196.39
		Power quality studies	Per Job	Hourly Rate	\$177.59
	2.6 Additional Services Requested by ASP / Connection Applicant (NEW)	Additional Services Requested by ASP / Connection Applicant	Per Hour	Hourly Rate	\$177.59
	2.7 Data Gathering Fee - Failure to Provide Documentation (NEW)	Data Gathering Fee - Failure to Provide Documentation	Per Job	Hourly Rate	\$177.59

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AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
	2.8 Pioneer Scheme Administration (NEW)	Pioneer Scheme Establishment	Per Job	Fee	\$104.74
		Pioneer Scheme New connection	Per Job	Fee	\$104.74
3. Contestable Network Commissioning & Decommissioning	3.1 Substation Commissioning	Underground Urban Residential Subdivision (Vacant Lots) - All (NT)	Per Substation	Fee	\$1,525.54
		Underground Urban Residential Subdivision (Vacant Lots) - All (OT)	Per Substation	Fee	\$2,385.57
		Rural Overhead Subdivisions and Rural Extensions - All (NT)	Per Substation	Fee	\$1,525.54
		Rural Overhead Subdivisions and Rural Extensions - All (OT)	Per Substation	Fee	\$2,385.57
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - All (NT)	Per Substation	Fee	\$1,525.54
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - All (OT)	Per Substation	Fee	\$2,385.57
		Commercial / Industrial Developments and Sub Transmission - All (NT)	Per Substation	Fee	\$1,525.54
		Commercial / Industrial Developments and Sub Transmission - All (OT)	Per Substation	Fee	\$2,385.57
		Asset Relocations or Streetlighting (Not forming part of other categories) - All (NT)	Per Substation	Fee	\$1,525.54
		Asset Relocations or Streetlighting (Not forming part of other categories) - All (OT)	Per Substation	Fee	\$2,385.57
	3.2 Testing & Commissioning of Streetlights / Mains / Cables / UG Pillars (NEW)	Underground / Overhead Streetlights (NT)	Per S/L	Fee	\$75.71
		Underground / Overhead Streetlights (OT)	Per S/L	Fee	\$129.46
		Underground / Overhead Distribution Mains (NT)	Per Job	Fee	\$1,847.15
		Underground / Overhead Distribution Mains (OT)	Per Job	Fee	\$2,814.69
		Underground Pillar / Pits (NT)	Per Pit / Pillar	Fee	\$75.71
		Underground Pillar / Pits (OT)	Per Pit / Pillar	Fee	\$129.46
		Underground Cable Test (NT)	Per Job	Fee	\$658.65
		Underground Cable Test (OT)	Per Job	Fee	\$1,126.30

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AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
	3.3 Redundant Material Coordination (NEW)	Redundant Material Co-ordination	Per Occasion	Fee	\$52.37
	3.4 Commissioning - Other Network Equipment (NEW)	Recloser (NT)	Per Recloser	Fee	\$2,322.44
		Recloser (OT)	Per Recloser	Fee	\$2,952.90
		Regulator (NT)	Per Regulator Site	Fee	\$2,657.15
		Regulator (OT)	Per Regulator Site	Fee	\$3,413.70
		Smart Switch (NT)	Per Switch	Fee	\$855.20
		Smart Switch (OT)	Per Switch	Fee	\$1,220.86
		Other - Specialised equipment (NT)	Per Job	Hourly Rate	\$177.59
		Other - Specialised equipment (OT)	Per Job	Hourly Rate	\$303.69
4. Access Permits, Oversight & Facilitation		4.1 Access Permits	Underground Urban Residential Subdivision (Vacant Lots) - All (NT)	Per Job	Fee
	Underground Urban Residential Subdivision (Vacant Lots) - All (OT)		Per Job	Fee	\$3,606.41
	Rural Overhead Subdivisions and Rural Extensions - All (NT)		Per Job	Fee	\$2,531.37
	Rural Overhead Subdivisions and Rural Extensions - All (OT)		Per Job	Fee	\$3,606.41
	Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - All (NT)		Per Job	Fee	\$2,531.37
	Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - All (OT)		Per Job	Fee	\$3,606.41
	Commercial / Industrial Developments and Sub Transmission - All (NT)		Per Job	Fee	\$2,531.37
	Commercial / Industrial Developments and Sub Transmission - All (OT)		Per Job	Fee	\$3,606.41
	Asset Relocations or Streetlighting (Not forming part of other categories) - All (NT)		Per Job	Fee	\$2,531.37
	Asset Relocations or Streetlighting (Not forming part of other categories) - All (OT)		Per Job	Fee	\$3,606.41

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
		Access Permit Rescheduled (Outage Cancellation) - All	Per Job	Fee	\$624.45
	4.2 Access to Network Assets (Standby)	Access to Network Assets (Standby)	Per Job	Hourly Rate	\$177.59
	4.3 Sale of Approved Materials / Equipment to ASPs (NEW)	Sale of Approved Materials / Equipment to ASP For these jobs, materials & other costs are charged at purchase price + %	Per Order	Fee	26.86%
	4.4 Services to supply and connect temporary supply to one or more customers	Connect & disconnect MG to OH/UG mains, switchboard or kiosk (NT)	Per Job	Fee	\$2,058.34
		Connect & disconnect MG to OH/UG mains, switchboard or kiosk (OT)	Per Job	Fee	\$2,810.87
		Install & remove HV LL Links or bonds (NT)	Per Job	Fee	\$3,115.39
		Install & remove HV LL Links or bonds (OT)	Per Job	Fee	\$4,781.71
		Break & remake LV bonds (NT)	Per Job	Fee	\$2,585.44
		Break & remake LV bonds (OT)	Per Job	Fee	\$3,983.00
		Generator Hire - Invoice cost + %	Per Job	Fee	55.89%
		4.5 Rectification of contestable work (ASP Installed) (NEW)	Admin	Per Job	Hourly Rate
	Para Legal		Per Job	Hourly Rate	\$104.74
	Field Worker		Per Job	Hourly Rate	\$151.41
	Indoor Technical Officer		Per Job	Hourly Rate	\$157.11
	Outdoor Technical Officer		Per Job	Hourly Rate	\$177.59
	Engineer / Professional		Per Job	Hourly rate	\$196.39
	Materials		Per Item	Fee	71.96%
	Contractor		Per Job	Fee	55.89%
	For these jobs, materials & other contractor costs are charged at purchase price / contractor costs + %				

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
5. Notices of arrangement and completion notices	5.1 Notice of Arrangement	Notice of Arrangement	Per Job	Fee	\$340.40
	5.2 Request for Early Notice of Arrangement (NEW)	Request for Early Notice of Arrangement	Per Job	Hourly Rate	\$157.11
	5.3 Completion Notice - Other than Notice of Arrangement (NEW)	Completion Notice - Other than Notice of Arrangement	Per Job	Hourly Rate	\$157.11
6. Network Related Property	6.1 Conveyancing Information	Supply of conveyancing information - Per Desk Inquiry	Per Enquiry	Fee	\$52.37
	6.2 Easement Processing - Conveyancing Review (NEW)	Easement Processing - Conveyancing Services	Per Job	Hourly Rate	\$104.74
		Easement Processing - Contract Legal Services	Per Job	Fee	55.89%
	For these jobs, legal contractor costs are charged at invoice cost + %				
	6.3 Services Involved in Obtaining Deeds of Agreement (DOA)	Services Involved in Obtaining Deeds of Agreement (DOA)	Per DOA	Hourly Rate	\$196.39
	6.4 Development Applications and Encroachment Processing (NEW)	Development Applications and Encroachment Processing	Per Application	Hourly Rate	\$104.74
	6.5 Crown Land Acquisition (NEW)	Crown Land Acquisition - Legal Services	Per Job	Hourly Rate	\$196.39
		Crown Land Acquisition - Contract Legal Services	Per Job	Fee	55.89%
		For these jobs, legal contractor costs are charged at invoice cost + %			
	6.6 Legal Review Services - customer funded works (NEW)	Legal Review Services - Customer Funded Works	Per Job	Hourly Rate	\$196.39
		Legal Review Services - Customer Funded Works - Contract Legal Services	Per Job	Fee	55.89%
		For these jobs, legal contractor costs are charged at invoice cost + %			
	7. Site Establishment Services	7.1 Site Establishment	Site Establishment - Per NMI	Per NMI	Fee
8. Network Safety Services	8.1 Work near electrical assets - De energisation of Mains (NEW)	Safe Approach Clearances - De energisation of Mains (NT)	Per Job	Fee	\$1,933.11
		Safe Approach Clearances - De energisation of Mains (OT)	Per Job	Fee	\$2,793.14

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AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
	8.2 Work near electrical assets - Disable Auto Reclose (NEW)	Safe Approach Clearances - Disable Auto Reclose (NT)	Per Job	Fee	\$673.06
		Safe Approach Clearances - Disable Auto Reclose (OT)	Per Job	Fee	\$824.37
	8.3 Provision of Traffic Control by the DNSP (NEW)	Provision of Traffic Control by the DNSP	Per Job	Fee	55.89%
		For these jobs, contractor costs are charged at price + %			
	8.4 Site Safety Supervision (NEW)	Site Safety Supervision	Per Job	Hourly Rate	\$151.41
	8.5 Provision of construction work by DNSP (NEW)	Provision of construction work by DNSP	Per Job	Hourly Rate	\$151.41
		Materials (Cost + %)	Per Job	Fee	71.96%
	8.6 Warning Markers (NEW)	Design	Per Job	Hourly Rate	\$157.11
		Installation	Per Job	Hourly Rate	\$151.41
		Hire - Tiger Tails	Per Tiger Tail	Fee	\$2.42
		Hire - Warning Markers	Per Marker	Fee	\$2.85
		Purchase - Warning Markers	Per Marker	Fee	\$180.11
		Materials	Per Item	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
		For these jobs, materials & other contractor costs are charged at purchase price/ contractor costs + %			
8.7 High load escorts	High load escorts	Per Job	Hourly Rate	\$177.59	
9. Rectification Works to Maintain Network Safety	9.1 Vegetation Clearing of Private Trees Encroaching DNSP Assets (NEW)	Vegetation Clearing of Private Trees Encroaching DNSP Assets	Per Job	Fee	55.89%
		For these jobs, materials & other contractor costs are charged at purchase price/ contractor costs + %			
	9.2 Inspection of Private Trees Encroaching DNSP Assets (NEW)	Inspection of Private Trees Encroaching DNSP Assets	Per Job	Hourly Rate	\$177.59
9.3 Vegetation Clearing of Private	Vegetation Clearing of Private Trees Encroaching Private Assets	Per Job	Fee	55.89%	

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
	Trees Encroaching Private Assets (NEW)	For these jobs, materials & other contractor costs are charged at purchase price/ contractor costs + %			
	9.4 Rectification works by Essential Energy of Private Asset aerial mains defects (NEW)	Admin	Per Job	Hourly Rate	\$104.74
		Para Legal	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Item	Hourly rate	\$196.39
		Materials	Per Job	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
		For these jobs, materials & other contractor costs are charged at purchase price/ contractor costs + %			
	9.5 Rectification works by Essential Energy of DNSP's assets due to landowner encroachment issues (NEW)	Admin	Per Job	Hourly Rate	\$104.74
		Para Legal	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
		Materials	Per Item	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
		For these jobs, materials & other contractor costs are charged at purchase price/ contractor costs + %			
10. Retailer of Last Resort	10.1 Retailer of Last Resort (ROLR)	Retailer of Last Resort	Per Event	Cost	Cost per event

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AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
11. Planned Interruption - Customer Requested	11.1 Planned Interruption - Customer Requested (NEW)	Admin	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
		Contractor (contractor costs + %)	Per Job	Fee	55.89%
12. Attendance at customers' premises - Statutory Right	12.1 Attendance at customers' premises - Statutory Right	Attendance at customers' premises - Statutory Right	Per Event	Hourly Rate	\$151.41
13. Inspection Services - Private electrical Installations and ASP's	13.1 Inspection of Construction Work (by Level 1 ASP's)	Underground Urban Residential Subdivision (Vacant Lots) - Per Lot - First 10 Lots - Grade A	Per Lot	Fee	\$88.80
		Underground Urban Residential Subdivision (Vacant Lots) - Per Lot - Next 30 Lots - Grade A	Per Lot	Fee	\$88.80
		Underground Urban Residential Subdivision (Vacant Lots) - Per Lot - Remainder - Grade A	Per Lot	Fee	\$17.76
		Underground Urban Residential Subdivision (Vacant Lots) - Per Lot - First 10 Lots - Grade B	Per Lot	Fee	\$213.11
		Underground Urban Residential Subdivision (Vacant Lots) - Per Lot - Next 30 Lots - Grade B	Per Lot	Fee	\$124.32
		Underground Urban Residential Subdivision (Vacant Lots) - Per Lot - Remainder - Grade B	Per Lot	Fee	\$71.04
		Underground Urban Residential Subdivision (Vacant Lots) - Per Lot - First 10 Lots - Grade C	Per Lot	Fee	\$443.99
		Underground Urban Residential Subdivision (Vacant Lots) - Per Lot - Next 30 Lots - Grade C	Per Lot	Fee	\$248.63
		Underground Urban Residential Subdivision (Vacant Lots) - Per Lot - Remainder - Grade C	Per Lot	Fee	\$118.99
		Rural Overhead Subdivisions and Rural Extensions - Per Pole - First 5 Poles - Grade A	Per Pole	Fee	\$106.56

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AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
		Rural Overhead Subdivisions and Rural Extensions - Per Pole - Next 5 Poles - Grade A	Per Pole	Fee	\$88.80
		Rural Overhead Subdivisions and Rural Extensions - Per Pole - Remaining Poles - Grade A	Per Pole	Fee	\$71.04
		Rural Overhead Subdivisions and Rural Extensions - Per Pole - First 5 Poles - Grade B	Per Pole	Fee	\$213.11
		Rural Overhead Subdivisions and Rural Extensions - Per Pole - Next 5 Poles - Grade B	Per Pole	Fee	\$177.59
		Rural Overhead Subdivisions and Rural Extensions - Per Pole - Remaining Poles - Grade B	Per Pole	Fee	\$124.32
		Rural Overhead Subdivisions and Rural Extensions - Per Pole - First 5 Poles - Grade C	Per Pole	Fee	\$355.19
		Rural Overhead Subdivisions and Rural Extensions - Per Pole - Next 5 Poles - Grade C	Per Pole	Fee	\$328.55
		Rural Overhead Subdivisions and Rural Extensions - Per Pole - Remaining Poles - Grade C	Per Pole	Fee	\$266.39
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Per Lot - First 10 Lots - Grade A	Per Lot	Fee	\$88.80
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Per Lot - Next 30 Lots - Grade A	Per Lot	Fee	\$88.80
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Per Lot - Remaining Lots - Grade A	Per Lot	Fee	\$88.80
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Per Lot - First 10 Lots - Grade B	Per Lot	Fee	\$213.11
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Per Lot - Next 30 Lots - Grade B	Per Lot	Fee	\$213.11
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Per Lot - Remaining Lots - Grade B	Per Lot	Fee	\$213.11
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Per Lot - First 10 Lots - Grade C	Per Lot	Fee	\$443.99
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Per Lot - Next 30 Lots - Grade C	Per Lot	Fee	\$443.99
		Underground Commercial and Industrial or Rural Subdivisions (Vacant Lots) - Per Lot - Remaining Lots - Grade C	Per Lot	Fee	\$443.99

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
		Commercial / Industrial Developments and Sub Transmission - All Grades	Per Lot / Pole	Hourly Rate	\$177.59
		Asset Relocations or Streetlighting (Not forming part of other categories) - All Grades	Per Lot / Pole	Hourly Rate	\$177.59
	13.2 Inspection of service work (Level 2 ASP's)	Per NOSW - A Grade	Per NOSW	Fee	\$44.40
		Per NOSW - B Grade	Per NOSW	Fee	\$74.59
		Per NOSW - C Grade	Per NOSW	Fee	\$213.11
	13.3 Re-inspection of work of a service provider (Level 1 & Level 2 ASP's work)	Reinspection (Level 1 & Level 2 work)	Per Job	Hourly Rate	\$177.59
	13.4 Re-inspection Customer Installation	Reinspection Customer Installation (per re-inspection CCEW)	Per Job	Hourly Rate	\$177.59
	13.5 Investigation, review & implementation of remedial actions associated with work performed by ASP's	Incident Category 1 -2 Classification	Per Job	Hourly Rate	\$157.11
		Incident Category 3 - 5 Classification	Per Job	Fee	\$2,356.64
	13.6 Substation Inspection (NEW)	Substation Inspection - A Grade	Per Substation	Fee	\$355.19
		Substation Inspection - B Grade	Per Substation	Fee	\$621.58
		Substation Inspection - C Grade	Per Substation	Fee	\$799.18
	13.7 Inspection Services of Privately Owned Electrical Infrastructure Assets (NEW)	Admin	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer	Per Job	Hourly Rate	\$196.39
		Materials	Per Job	Fee	71.96%
		Contractor (contractor costs + %)	Per Job	Fee	55.89%
	13.8 Inspection Customer Installation (NEW)	Inspect Installation (customers) per CCEW	Per CCEW	Fee	\$53.18

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AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
14. Provision of Training to 3rd parties for Network Related Access	14.1 Provision of Training to ASP's for Network Access	Access Permit Recipient Training to ASPs (scheduled course)	Per Student	Fee	\$234.06
		Access Permit Recipient Training to ASPs (requested out of schedule course)	Per Class	Fee	\$2,267.76
		Access Permit Recipient Training to ASPs (requested out of schedule course) - Travel	Per Occasion	Hourly Rate	\$177.59
		Access Permit Recipient Training to ASPs (requested out of schedule course) - Accommodation & Incidentals	Per Occasion	Fee	55.89%
	14.2. ASP Compliance Related Training Services	ASP Compliance Related Training Services (scheduled course)	Per Occasion	Hourly Rate	\$177.59
		ASP Compliance Related Training Services (requested out of schedule course) - Travel	Per Occasion	Hourly Rate	\$177.59
		ASP Compliance Related Training Services (requested out of schedule course) - Accommodation & Incidentals	Per Occasion	Fee	55.89%
		Materials	Per Occasion	Fee	71.96%
	14.3 Provision of Training - Entry into Electrical Stations	Provision of training - Entry Electrical Stations	Per Student	Fee	\$296.91
	15. Customer Requested Lighting Services (NEW)	15.1 Provision of Security Lighting (NEW)	Nightwatch 250W	Per Light	Fee / Month
Nightwatch 400W			Per Light	Fee / Month	\$97.77
Nightwatch 1000W			Per Light	Fee / Month	\$156.08
Installation Fee (may be waived if customer is willing to enter contract longer than capital recovery period)*			Fee	\$200	
15.2 Provision of Luminaire Glare Shield		Provision of Luminaire Glare Shield (customer requested)	Per Light	Fee	\$506.56
16. Off - Peak Conversion	16.1 Off - Peak Conversion	Off - Peak Conversion	Per Job	Fee	\$93.88
17. Authorisation of ASPs	17.1 Authorisation of ASPs	Authorisation - Initial	Per Authorisation	Fee	\$527.33
		Authorisation - Renewal	Per Authorisation	Fee	\$125.69
	17.2 ASP Authorisation Agreement	Authorisation Agreement - Initial	Per Authorisation	Fee	\$379.68
		Authorisation Agreement - Renewal	Per Authorisation	Fee	\$52.37
18. Customer Initiated Asset	18.1 Design and construction of	Admin	Per Job	Hourly Rate	\$104.74

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
Relocations (NEW)	asset relocations - customer funded	Para Legal	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
		Materials	Per Item	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
		For these jobs, materials & other contractor costs are charged at purchase price / contractor costs + %			
19. Terminations of Cable at electrical station - Distributer Required Performance (NEW)	19.1 DNSP Provided cable jointing & termination services for contestable works	Indoor Technician	Per Job	Hourly Rate	\$157.11
		Field Worker	Per Job	Hourly Rate	\$151.41
		Outdoor Technician	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
		Materials	Per Item	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
		For these jobs, materials & other contractor costs are charged at purchase price / contractor costs + %			

A3 - Ancillary Network Services (ANS) Price List 2019-20

Schedule of charges for Metering Services

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20	
1. Special Meter Reading and Testing (legacy meters)	1.1 Move In / Move Out Read	Move In / Move Out Read	Per Job	Fee	\$17.54	
	1.2 Special Meter Read (incl wasted visit)	Special Meter Read (incl wasted visit)	Per Job	Fee	\$17.54	
	1.3 Special Meter Test - 1st	Special Meter Test - 1st	Per Meter	Fee	\$603.82	
	1.4 Special Meter Tests - Additional	Special Meter Tests - Additional	Per Meter	Fee	\$390.71	
	1.5 Special Meter Tests - CT Meter (NEW)	Special Meter Tests - CT Meter (NEW)	Per Meter	Fee	\$728.14	
2. Emergency maintenance of failed metering equipment not owned by the distributor (contestable meters) (NEW)	2.1 Unplanned Outage - Meter Fault (Site attendance)	Unplanned Outage - Meter Fault (Site attendance) (NT)	Per Job	Fee	\$369.20	
		Unplanned Outage - Meter Fault (Site attendance) (OT)	Per Job	Fee	\$616.46	
	2.2 Unplanned Outage - Meter HW Fault (Site attendance)	Unplanned Outage - Meter HW Fault (Site attendance) (NT)	Per Job	Fee	\$369.20	
		Unplanned Outage - Meter HW Fault (Site attendance) (OT)	Per Job	Fee	\$616.46	
	2.3 Unplanned Outage - Retailer outage impacting non retailer customer (Site attendance)	Unplanned Outage - Retailer outage impacting non retailer customer (Site attendance) (NT)	Per Job	Fee	\$293.49	
		Unplanned Outage - Retailer outage impacting non retailer customer (Site attendance) (OT)	Per Job	Fee	\$487.00	
	2.4 Unplanned Outage - Remote De-Energisation - EE not notified (Site attendance)	Unplanned Outage - Remote De-Energisation - EE not notified (Site attendance) (NT)	Per Job	Fee	\$293.49	
		Unplanned Outage - Remote De-Energisation - EE not notified (Site attendance) (OT)	Per Job	Fee	\$487.00	
	3. Meter recovery and disposal – type 5 and 6 (legacy meters) (NEW)	3.1 Redundant Meter Disposal	Redundant Meter Disposal	Per Occasion	Fee	\$26.18
	4. Distributor arranged outage for purposes of replacing meter (NEW)	4.1 Retailer Requested Distributer Planned Interruption - Cancellation after notification	Retailer Requested Distributer Planned Interruption - Cancellation after notification	Per Job	Fee	\$457.09

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
	4.2 Retailer Requested Distributer Planned Interruption - Initial Visit	Retailer Requested Distributer Planned Interruption - Initial Visit (NT)	Per Job	Fee	\$402.96
		Retailer Requested Distributer Planned Interruption - Initial Visit (OT)	Per Job	Fee	\$655.59
	4.3 Retailer Requested Distributer Planned Interruption - Isolation Completed	Retailer Requested Distributer Planned Interruption - Isolation Completed (NT)	Per Job	Fee	\$343.59
		Retailer Requested Distributer Planned Interruption - Isolation Completed (OT)	Per Job	Fee	\$580.10
		Retailer Requested Distributer Planned Interruption - Isolation Completed - Additional Labour Required NT	Per Job	Hourly Rate	\$151.41
		Retailer Requested Distributer Planned Interruption - Isolation Completed - Additional Labour Required OT	Per Job	Hourly Rate	\$258.92
	4.4 Retailer Requested Distributer Planned Interruption - Early Cancellation	Retailer Requested Distributer Planned Interruption - Early Cancellation	Per Job	Fee	\$40.76
	4.5 Retailer Requested Distributer Planned Interruption - MC No Attendance	Retailer Requested Distributer Planned Interruption - MC No Attendance (NT)	Per Job	Fee	\$305.73
		Retailer Requested Distributer Planned Interruption - MC No Attendance (OT)	Per Job	Fee	\$397.11
	5. Customer requested provision of additional metering/consumption data (NEW)	5.1 Provision of metering consumption data	Provision of metering consumption data	Per Occasion	Fee

A3 - Ancillary Network Services (ANS) Price List 2019-20

Schedule of charges for Connection Services Fees (includes connections made under Chapter 5 and 5A of the NER)

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
1. Premises Connection Assets (NEW)	1.1 Part A. Design and construction of premise connection assets which are undertaken by a customer (where these services are provided contestably).	Admin	Per Job	Hourly Rate	\$104.74
		Para Legal	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
		Materials	Per Item	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
	For these jobs, materials & other contractor costs are charged at purchase price / contractor costs + %				
	1.2 Part C. Part design and construction of connection assets where a customer requests that connection assets are designed and constructed to an increased standard (beyond that required by the distributors' standards and policies), and where those works are designed and constructed by the distributor (as a result of safety, reliability or security reasons).	Admin	Per Job	Hourly Rate	\$104.74
		Para Legal	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
Materials		Per Item	Fee	71.96%	
Contractor		Per Job	Fee	55.89%	
For these jobs, materials & other contractor costs are charged at purchase price / contractor costs + %					
2. Extensions (NEW)	2.1 Part A. Design and construction of extensions assets which are undertaken by	Admin	Per Job	Hourly Rate	\$104.74

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
	a customer (where these services are provided contestably).	Para Legal	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
		Materials	Per Item	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
		For these jobs, materials & other contractor costs are charged at purchase price / contractor costs + %			
3. Augmentations (NEW)	3.1 Part C. Design and construction of augmentation assets which are undertaken by a customer (where these services are provided contestably).	Admin	Per Job	Hourly Rate	\$104.74
		Para Legal	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
		Materials	Per Item	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
	For these jobs, materials & other contractor costs are charged at purchase price / contractor costs + %				
	3.2 Part D. Any shared network enlargement/enhancement undertaken by a distributor where a customer requests that assets are designed and constructed to an increased standard (beyond that required by the distributors' standards and policies).	Admin	Per Job	Hourly Rate	\$104.74
		Para Legal	Per Job	Hourly Rate	\$104.74
		Field Worker	Per Job	Hourly Rate	\$151.41

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
		Materials	Per Item	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
		For these jobs, materials & other contractor costs are charged at purchase price / contractor costs + %			
4. Reconnections / Disconnections	4.1 Disconnect / Reconnect - Vacant Premise	Disconnect - Vacant Premise	Per Job	Fee	\$40.06
		Reconnect - Vacant Premise	Per Job	Fee	\$48.41
	4.2 Disconnect / Reconnect - Site visit only	Disconnect / Reconnect - Site visit only	Per Job	Fee	\$37.37
	4.3 Disconnect / Reconnect - Pole Top / Pillar	Disconnect - Pole Top / Pillar Box	Per Job	Fee	\$264.98
		Reconnect - Pole Top / Pillar Box	Per Job	Fee	\$264.98
	4.4 Disconnect / Reconnect - Complete	Disconnection - Complete	Per Job	Fee	\$54.62
		Reconnection - Complete	Per Job	Fee	\$48.41
	4.5 Disconnect / Reconnect - Technical Disconnection	Disconnection - Technical Disconnection	Per Job	Fee	\$54.62
		Reconnect - Technical Reconnection	Per Job	Fee	\$48.41
	4.6 Reconnect - Outside of Normal Business Hours	Reconnect - Outside of Normal Business Hours	Per Job	Fee	\$136.27
4.7 Illegal Connections	Illegal Connections	Per Job	Hourly Rate	\$177.59	
5. Non-Standard Connection Services (NEW)	5.1 Non - Standard Connection Services	Admin	Per Job	Hourly Rate	\$104.74
		Para Legal	Per Job	Hourly Rate	\$104.74

A3 - Ancillary Network Services (ANS) Price List 2019-20

AER Ancillary Network Service Group	Ancillary Network Service	Fee Category	Applied	Fee Type	2019/20
		Field Worker	Per Job	Hourly Rate	\$151.41
		Indoor Technical Officer	Per Job	Hourly Rate	\$157.11
		Outdoor Technical Officer	Per Job	Hourly Rate	\$177.59
		Engineer / Professional	Per Job	Hourly Rate	\$196.39
		Materials	Per Item	Fee	71.96%
		Contractor	Per Job	Fee	55.89%
		For these jobs, materials & other contractor costs are charged at purchase price / contractor costs + %			

A4 – Metering Fees Price List 2019-20

Metering Service Charge Tariff Class	Applicable Network Tariffs	Pre-30 June 2015 Connections - Maintenance			Pre-30 June 2015 Connections - Capital			Post-1 July Connections - New Meters - Maintenance		
		MSC Tariff	Bill Print Description	Annual Charge	MSC Tariff	Bill Print Description	Annual Charge	MSC Tariff	Bill Print Description	Annual Charge
Residential Anytime	BLNN2AU	BLNM1NC	MSC MAINT - ANYTIME	\$ 32.04	BLNM1CA	MSC CAPITAL - ANYTIME	\$ 9.84	BLNM1NM	MSC NM MAINT - ANYTIME	\$ 22.20
Residential ToU	BLNT3AU	BLNM2NC	MSC MAINT - ToU	\$ 47.62	BLNM2CA	MSC CAPITAL - ToU	\$ 47.62	BLNM2NM	MSC NM MAINT - ToU	\$ 33.30
Small Business Anytime	BLNN1AU	BLNM1NC	MSC MAINT - ANYTIME	\$ 32.04	BLNM1CA	MSC CAPITAL - ANYTIME	\$ 9.84	BLNM1NM	MSC NM MAINT - ANYTIME	\$ 22.20
Small Business ToU	BLNT2AU BLNT1AO	BLNM2NC	MSC MAINT - ToU	\$ 47.62	BLNM2CA	MSC CAPITAL - ToU	\$ 14.32	BLNM2NM	MSC NM MAINT - ToU	\$ 33.30
Controlled Load	BLNC1AU BLNC2AU	BLNM3NC	MSC MAINT - CONTROLLED LOAD	\$ 10.03	BLNM3CA	MSC CAPITAL - CONTROLLED LOAD	\$ 4.48	BLNM3NM	MSC NM MAINT - CONTROLLED LOAD	\$ 5.55

MODIFICATION HISTORY

Version	Date	Description
1	21/05/2019	Original version
2	5/06/2019	3.1.1.2 additional explanation of process.