The parameters of this tariff may have been obtained from the following files.

- AER approved - Endeavour Energy 2017-18 Annual Pricing Proposal - 31 March 2017
- NUOS+Price+List_201718_v1

The current PDF file is built by appending these files. For more information refer to the provider website.

2017-18 PRICING PROPOSAL

31 MARCH 2017

Endeavour Energy

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1 ABOUT THIS PRICING PROPOSAL

1.1. Introduction

Endeavour Energy is submitting this 2017-18 Pricing Proposal (Proposal) to the Australian Energy Regulator (AER) in accordance with the requirements of Part I, section 6.18 of the National Electricity Rules (the Rules).

Enforceable Undertaking

The Australian Competition Tribunal set aside the AER's 2015 Determination in February 2016, consequently there is currently no applicable AER Determination in place.

To provide pricing certainty to electricity consumers, Endeavour Energy gave, and the AER accepted, an Enforceable Undertaking (Undertaking) to address this uncertainty for the year commencing on 1 July 2017 and ending 30 June 2018, under section 59A of the National Electricity Law (NEL).

The AER has accepted this Undertaking, and Endeavour Energy's compliance with it, as discharging Endeavour Energy's obligations in relation to:

- pricing and network charges; and
- compliance with the matters in the set aside 2015 Determination.

under the NEL and the Rules in the year commencing on 1 July 2017 and ending 30 June 2018.

Endeavour Energy undertakes for the purposes of section 59A of the NEL that for the year commencing on 1 July 2017 and ending 30 June 2018:

a) subject to clause b), Endeavour Energy's tariffs for each tariff class for Direct Control Services for the year commencing on 1 July 2017 and ending on 30 June 2018 will be calculated in accordance with clause 6.18 of the Rules, including clause 6.18.1A(c) (Network Charges);

b) for the purposes of clause a):

(1) the 2015 Determination will not apply (other than as set out in clause d));

(2) clause 6.18.2(a) will not apply and Endeavour Energy must submit its pricing proposal for the year commencing on 1 July 2017 and ending on 30 June 2018 by 1 April 2017;

(3) the reference to 'applicable distribution determination' in clauses 6.18.2(b)(7), 6.18.2(b)(8), 6.18.5(g)(2), 6.18.8(a)(1) and 6.18.8(c) will be interpreted to refer to smoothed allowed DUOS revenue for the year commencing on 1 July 2017 and ending on 30 June 2018 of $827.49 million (Adjusted Smoothed Revenue), which is the annual smoothed DUOS revenue requirement as set out in Endeavour Energy's pricing proposal for the year ending 30 June 2016 (being $804.88 million) adjusted to include the amount for changes in the consumer price index for the 2015-16 and 2016-17 years calculated consistent with the formula set out in Attachment 14 of the 2015 Determination - Figure 14.1 (being 1.51% and 1.28% respectively);

(4) the reference to 'revenue' in clause 6.18.5(g)(2) will be interpreted to refer to the Adjusted Smoothed Revenue;

(5) the references to 'annual revenue requirement' in clause 6.18.1C(a)(1), 6.18.1C(a)(2), 6.18.6(d)(4) and 6.18.7(d)(1) will be interpreted to refer to the Adjusted Smoothed Revenue;

(6) the references to 'regulatory control period' in clause 6.18 will be interpreted to refer to the period commencing on 1 July 2017 and ending on 30 June 2019;

(7) where the term 'regulatory year' is referred to in clause 6.18, the reference to 'regulatory control period' in the definition of that term will be interpreted to refer to the period commencing on 1 July 2017 and ending on 30 June 2019;

c) Endeavour Energy will charge the Network Charges for Direct Control Services to retailers and customers (where direct billing has been agreed under clause 6B.A2.2 of the NER) in accordance with the NER;

d) Endeavour Energy will comply with the 2015 Determination in relation to the matters specified in Section 1.2 below;

Matters in the 2015 Determination that Endeavour Energy will comply with

Endeavour Energy will comply with the 2015 Determination in relation to the following constituent decisions:

1. Efficiency Benefit Sharing Scheme as set out in Attachment 9;
2. Capital Expenditure Sharing Scheme as set out in Attachment 10;
3. Service Target Performance Incentive Scheme as set out in Attachment 11;
4. Demand Management Incentive Scheme as set out in Attachment 12;
5. Classification of services as set out in Attachment 13;
6. Endeavour Energy's obligation to report to the AER on its recovery of designated pricing proposal charges and jurisdictional scheme amounts as set out in Attachment 14;
7. Additional Pass Through Events as set out in Attachment 15;
8. Form of Control for Alternative Control Services as set out in Attachment 16;
9. Endeavour Energy's Negotiating Framework and Negotiated Distribution Services Criteria as set out in Attachment 17; and
10. Endeavour Energy's Connection Policy as set out in Attachment 18.

Classification of distribution services

In accordance with clause 6.2.1 of the Rules, Distribution services to be provided by the Distribution Network Service Provider (DNSP) are divided into the following two classes:

- Direct control services; or
- Negotiated distribution services.

Direct control services are further divided into the following two subclasses:

- Standard control services; and
- Alternative control services.

The AER has classified the following categories of direct control services as alternative control services:

- Ancillary network services
- Metering
- Public lighting

This pricing proposal is relevant to those services provided by Endeavour Energy that are classified as direct control services.

1 ABOUT THIS PRICING PROPOSAL

1.2. Structure of this Pricing Proposal

Chapters

Table 1.1: Chapters in this Pricing Proposal

Chapter	Title	Purpose
2	Tariff classes and assignment policies	This section sets out our proposed tariff classes and the procedures that apply for the allocation of our customers to different tariff classes.
3	Structure and charging parameters	The structure and charging parameters for our tariffs are set out in this section in addition to the policies and procedures for assigning retail customers to tariffs.
4	Approach to setting tariffs	This section describes our approach to setting tariffs, which includes calculating avoided and stand alone cost, estimating LRMC, and other associated issues related to setting tariffs.
5	Proposed NUOS tariffs	Describes the nature and extent of the change in Endeavour Energy's NUOS tariffs between 2016-17 and 2017-18.
6	Consumer Impacts	Outlines the expected customer impacts of this pricing proposal.
7	Regulatory Requirements	Demonstrates that Endeavour Energy's pricing proposal complies the regulatory requirements as they relate to this pricing proposal.

Appendices

Table 1.2: Appendices in this Pricing Proposal

Appendices	Title	Purpose
A1	Glossary	This provides a definition for some key terms used throughout this Pricing Proposal.
A2	Compliance Checklist	This section sets out a checklist that identifies whether this Pricing Proposal meets the requirements in the Rules.
A3	Proposed Network Tariffs	This section sets out our proposed NUOS, DUOS, TCR and CCF charges for the year.

A4	Indicative Pricing Schedule	This section sets out some indicative prices based on the existing determination, although we note that the determination is subject to merits review.
A5	Proposed ACS Fees & Charges	This section sets out our proposed Ancillary Network Service, Metering and Public Lighting charges for the year.
A6	Indicative ACS Fees & Charges	This section sets out some indicative fees & charges based on the existing determination, although we note that the determination is subject to merits review.

Attachments

Table 1.3: Attachments to this Pricing Proposal

Attachments	Compliance Models
A	CONFIDENTIAL – Revenue Cap Compliance Model
B	CONFIDENTIAL – LRMC and Avoidable/Stand-alone Cost Model
C	ANS Price Cap Compliance Model
D	Metering Services Price Cap Compliance Model
E	Public Lighting Price Cap Compliance Model

Confidentiality

Clause 6.19.2(a) of the Rules provides that:

> *"all information about a Service Applicant or Distribution Network User used by Distribution Network Service Providers for the purposes of distribution service pricing is confidential information."*

The following appendices and attachments to this Pricing Proposal contain sensitive confidential information specific to the individual Distribution Network Users. As such, Endeavour Energy requests that the AER does not disclose the information contained in these attachments to any person except as permitted by the Law and Rules.

Attachments

- Confidential Attachment A – Revenue Cap Compliance Model; and
- Confidential Attachment B – LRMC and Avoidable/Stand-alone Cost Model.

1 ABOUT THIS PRICING PROPOSAL

1.3. Our Business

Endeavour Energy is a commercially successful, customer focused electricity distribution business owned by the New South Wales Government. We are a 'poles and wires' business, responsible for the safe and reliable supply of electricity to 951,801 customers or 2.4 million people in households and businesses across Sydney's Greater West, the Blue Mountains, Southern Highlands, Illawarra and the South Coast.

With an estimated asset value of $6.0 billion, our network spans 24,800 square kilometres and is made up of approximately 310,000 power poles, 106,000 street light columns, 186 major substations and 31,578 distribution substations connected by 49,797 kilometres of underground and overhead cables.

Our franchise area includes some of the fasting growing areas of NSW including Sydney's North West and South West growth centres. These growth centres have been earmarked by the NSW Government for current and future housing development, with the population of this region forecast to grow by over 900,000 by 2031.

Figure 1.1: Endeavour Energy's franchise area

1 ABOUT THIS PRICING PROPOSAL

How our network transports electricity

The NSW electricity supply sector involves generation, transmission, distribution and retail sellers.

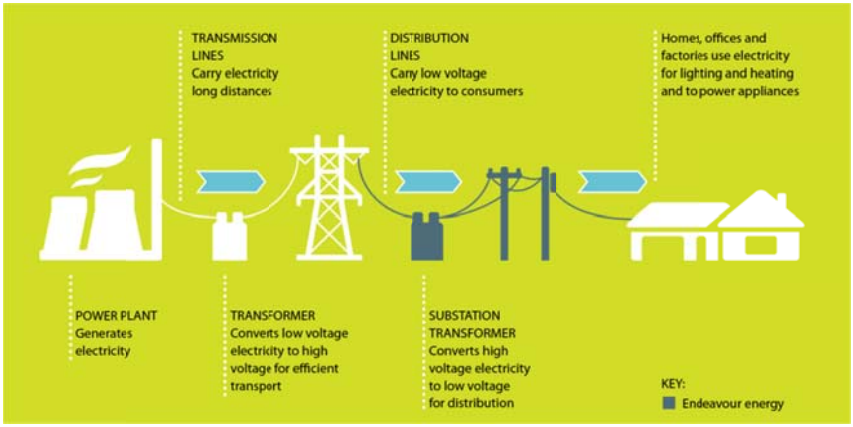
Endeavour Energy builds and operates an electrical network that transports electricity from the high voltage transmission network to customers' homes and businesses.

Power plants typically generate electricity a long way from homes and businesses. It is transported at high voltages to bulk supply points over the transmission system operated by TransGrid. From here Endeavour Energy transports to our sub transmission and zone substations.

Zone substations, which typically service entire suburbs, transform electricity to mid voltage levels (generally 11kV).

When electricity arrives at the location where it is required, distribution substations further transform the electricity to 400V or 230V. Power lines then carry low voltage electricity to consumers for their home, office and factory use.

Figure 1.2: Electricity industry structure, Source: AEMO



2 TARIFF CLASSES AND ASSIGNMENT POLICIES

This section sets out the tariff classes into which retail customers for direct control services will be divided, and the policies and procedures we will apply for assigning retail customers to tariff classes.[1] The policies and procedures for assigning retail customers to tariffs are set out in section 2.2.

2.1. Tariff classes

Our tariff classes for retail customers for direct control services are set on the basis of:[2]

- the nature of the customers' connection to the network, ie, whether they are high or low voltage customers or whether they are metered or unmetered
- the nature and extent of customers' usage, ie, above or below a specified level of consumption per annum.

A summary of our network tariff classes for direct control services is set out in the table below. All of our direct control customers will be assigned to a tariff class for one or more of these services.[3]

Table 2.1: Endeavour Energy Network Tariff Classes

Customer Type	Tariff Class	Connection Characteristics
Residential and small to medium enterprise businesses	Low Voltage Energy	• LV Connection (230/400 V) • Total electricity consumption, per financial year, is less than 160MWh
Larger commercial and light industrial	Low Voltage Demand	• LV Connection (230/400 V) • Total electricity consumption, per financial year, is greater than 160MWh
Industrial	High Voltage Demand	HV Connection (12.7 kV SWER, 11 or 22 kV)
Industrial	Subtransmission Demand	ST Connection (33, 66 or 132 kV)
Distributors	Inter-Distributor Transfer Demand	Distributor Transfer
Unmetered	Unmetered Supply	Unmetered

1 Clause 6.18.1A(a)(1) and 6.18.1A(a)(2) of the Rules.

2 As required under the Rules, Clause 6.18.4(a)(1).

3 As required under the Rules, Clause 6.18.3(b) and (c).

2 TARIFF CLASSES AND ASSIGNMENT POLICIES

In addition to our standard control services, Endeavour Energy provides customer specific or customer requested services and so the full cost of the service is attributed to that particular customer. These are referred to as alternative control services. One of the defining characteristics of these services is that the AER determines the price for the service or the unit rates used in quoting for a service.

The AER has classified the following categories of direct control services as alternative control services:

- ancillary network services
- metering
- public lighting.

Endeavour Energy proposes that customers that use these categories of service form our alternative control service tariff classes. A summary is set out in the table below:

Table 2.2: Endeavour Energy Alternative Control Tariff Classes

Customer Type	Tariff Class	Service Characteristics
Retailers and ASPs on behalf of customers	Ancillary Network Services	• Would include authorisations, inspections, permits, site establishment, connections/disconnections and conveyancing information. • Service is initiated only at customer request.
Low voltage customers consuming less than 160MW p.a.	Metering	• Provision of Type 5 and Type 6 metering assets. • Meter reading services for Type 5 and 6 metering assets. • Retirement of Type 5 and 6 metering assets.
Public space illuminators (generally local councils)	Public Lighting	• Provision of public lighting infrastructure. • Maintenance of public lighting infrastructure. • Retirement of public lighting infrastructure.

2 TARIFF CLASSES AND ASSIGNMENT POLICIES

2.2. Allocation of customers to tariff classes

The process under which new customers are assigned to network tariff classes and network tariffs occurs following the receipt of a connection application by the customer or their retailer. Under our process, a customer that lodges an application to modify or upgrade an existing network connection from single to three phase is treated identically to a new customer.

These procedures are set out below.

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

1. Each customer who was a customer of Endeavour Energy immediately prior to 1 July 2015, and who continues to be a customer of Endeavour Energy as at 1 July 2015, will be taken to be "assigned" to the tariff class which Endeavour Energy was charging that customer immediately prior to 1 July 2015.

Assignment of new customers to a tariff class during the next regulatory control period

2. If, after 1 July 2015, Endeavour Energy becomes aware that a person will become a customer of Endeavour Energy, then Endeavour Energy will determine the tariff class to which the new customer will be assigned.

3. In determining the tariff class to which a customer or potential customer will be assigned, or reassigned, in accordance with paragraph 2 (above) or 5 (below), Endeavour Energy will take into account one or more of the following factors:
    a) the nature and extent of the customer's usage;
    b) the nature of the customer's connection to the network; and
    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.

4. In addition to the requirements under paragraph 3 (above), Endeavour Energy, when assigning or reassigning a customer to a tariff class, will ensure the following:
    a) that customers with similar connection and usage profiles are treated equally
    b) that customers which have micro–generation facilities are not treated less favourably than customers with similar load profiles without such facilities.

Reassignment of existing customers to another existing or a new tariff during the next regulatory control period

5. If Endeavour Energy believes that an existing customer's load characteristics or connection characteristics (or both) are no longer appropriate for that customer to be assigned to the tariff class to which the customer is currently assigned or a customer no longer has the same or materially similar load or connection characteristics as other customers on the customer's existing tariff, then Endeavour Energy may reassign that customer to another tariff class.

Notification of proposed assignments and reassignments

6. Endeavour Energy will notify the customer's retailer in writing of the tariff class to which the customer has been assigned or reassigned, prior to the assignment or reassignment occurring.

2 TARIFF CLASSES AND ASSIGNMENT POLICIES

7. A notice under paragraph 6 above must include advice informing the customer's retailer that they may request further information from Endeavour Energy and that the customer's retailer may object to the proposed reassignment. This notice must specifically include reference to Endeavour Energy's published procedures for customer complaints, appeals and resolution.

8. If the objection is not resolved to the satisfaction of the customer's retailer under the Endeavour Energy's internal review system or EWON, 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.

9. If, in response to a notice issued in accordance with paragraph 7 above, Endeavour Energy receives a request for further information from a customer's retailer, then it must provide such information within a reasonable timeframe. If Endeavour Energy reasonably claims confidentiality over any of the information requested by the customer's retailer, then it is not required to provide that information to the retailer or retail customer. If the customer's retailer disagrees with such confidentiality claims, it may have resort to the dispute resolution procedures referred to in paragraph 7 above (as modified for a confidentiality dispute).

10. If, in response to a notice issued in accordance with paragraph 7 above, a customer's retailer makes an objection to Endeavour Energy about the proposed assignment or reassignment, Endeavour Energy must reconsider the proposed assignment or reassignment. In doing so Endeavour Energy must take into consideration the factors in paragraphs 3 and 4 above, and notify the customer's retailer in writing of its decision and the reasons for that decision.

    If a customer's retailer objection to a tariff class assignment or reassignment is upheld, in accordance with Endeavour Energy's published procedures for customer complaints, appeals and resolution then any adjustment which needs to be made to tariffs will be done by Endeavour Energy as part of the next annual review of prices.

System of assessment and review of the basis on which a customer is charged

11. Where the charging parameters for a particular tariff result in a basis of charge that varies according to the customer's usage or load profile, Endeavour Energy will set out in its pricing proposal a method of how it will review and assess the basis on which a customer is charged.

3 STRUCTURE AND CHARGING PARAMETERS

This section sets out the structure of our tariffs and how customers are assigned to them, in additional to the charging parameters for each of our tariffs.

3.1. Tariff structures and their assignment

A summary of the type of tariffs offered for customers in each of our tariff classes and a description of the customers that are eligible for each is set out below.[4]

Low Voltage Energy Tariff Class

Our default tariffs for residential and general supply customers that consume less than 160MWh per annum are structured as follows:

- a Declining block tariff (DBT) that will transition to a flat tariff in 2017-18 for residential consumers[5].
- an Inclining block tariff (IBT) for small to medium commercial customers.

We will maintain optional tariffs for certain customers within this tariff class. Specifically, we will maintain:

- our optional time of use (TOU) residential and general supply tariffs – these tariffs are available to any customer that has a meter that is capable of supporting such a tariff.
- our optional controlled load tariffs – these tariffs apply to any customer that has a residential or general supply tariff – the electricity load is separately metered and controlled at a connection point.

From 1 July 2018:

- new customers will be assigned to the default TOU tariff with the option to opt-out to the non-time of use tariff.
- existing customers who chose to modify or upgrade their existing network connection from single to three phase will be assigned to the default TOU tariff (if their metrology allows) with the option to opt-out to the non-time of use tariff.

Low Voltage Demand Tariff Class

We will offer two network tariff types within the Low Voltage Demand tariff class:

- a LV TOU demand tariff.
- a LV TOU transitional demand tariff.

Our TOU demand tariff is the default tariff for customers that consume more than 160MWh per annum.

Our TOU transitional demand tariff is a mandated transitional tariff for customers whose annual consumption requires a demand based tariff, but who cannot be directly transferred to the LV TOU demand tariff due to a lack of metering capable of supporting this tariff or where the expected bill impact of a direct transition to LV TOU demand is deemed excessive. At a minimum, customers that are allocated to this tariff must have a TOU meter from which interval meter energy data is obtained. The LV TOU demand transition tariff is not available on customer or retailer request.

[4] During the TSS period, Endeavour Energy may need to introduce new tariff codes for billing purposes. Any new tariff codes introduced will comply with the tariff structures outlined in our TSS document for each tariff class and the price level for NUOS services will equate to the tariff type under which the new tariff code has been created.

[5] For the purpose of this Pricing Proposal, Endeavour Energy has displayed block tariff consumption thresholds on a MWh per annum basis. In practice, this annualised consumption threshold will be calculated on a pro-rata basis corresponding to the billing period.

3 STRUCTURE AND CHARGING PARAMETERS

High Voltage Demand Tariff Class

We will offer two network tariff types within the High Voltage Demand tariff class:

- a HV TOU demand tariff.
- an individually calculated HV TOU demand tariff.

Our HV TOU Demand Tariff is the default tariff for customers where electricity is supplied at a voltage level defined as High Voltage.

Our individually calculated HV TOU Demand Tariff is a mandated, customer specific tariff where the customer's:

- electricity consumption has been equal to or greater than 100 GWh in total for the 36 months preceding the application; or
- electricity consumption has been equal to or greater than 40 GWh per annum in each of the two financial years preceding the application; or
- monthly peak demand has been equal to or greater than 10 MVA for 24 of the 36 months preceding the application.

Sub-transmission Demand Tariff Class

We plan to offer two network tariff types within the Subtransmission Demand tariff class:

- an ST TOU demand tariff.
- an individually calculated ST TOU demand tariff.

Our ST TOU demand tariff is the default tariff for customers where electricity is supplied at a voltage level defined as Subtransmission Voltage.

Our individually calculated ST TOU demand tariff is a mandated, customer specific tariff where the customer's:

- electricity consumption has been equal to or greater than 100 GWh in total for the 36 months preceding the application; or
- electricity consumption has been equal to or greater than 40 GWh per annum in each of the two financial years preceding the application; or
- monthly peak demand has been equal to or greater than 10 MVA for 24 of the 36 months preceding the application.

Inter-Distributor Transfer Demand Tariff Class

We plan to offer only one network tariff type within the Inter-Distributor tariff class, ie, a Inter-Distributor TOU demand tariff

This tariff is a mandated, distributor specific TOU demand tariff for electricity transferred through the Endeavour Energy network on behalf of Ausgrid and Essential Energy.

Unmetered Supply Tariff Class

We will offer two network tariff types within the Unmetered Supply tariff class:

- an unmetered block tariff.
- an unmetered energy tariff.

3 STRUCTURE AND CHARGING PARAMETERS

Our unmetered block tariff is the default tariff for customers in this tariff class.

We plan to offer three unmetered energy tariffs for the specific purpose of:

- streetlighting connection points
- traffic control signal lights connection points
- nightwatch connection points.

3.2. Proposed charging parameters

The charging parameters for the proposed tariffs for our low voltage customers are set out in the table below.

Low Voltage Energy Tariff Class

The charging parameters for this tariff class are set out in the table below.

Table 3.1: Charging parameters for the Low Voltage Energy Tariff Class

Tariff Type	Components	Measurement	Charging Parameter[6]
Residential Block Tariff	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Energy Block 1	c/kWh	Charge applied to energy consumption up to and including 4MWh per annum.
	Energy Block 2	c/kWh	Charge applied to energy consumption from 4MWh per annum up to an including 7MWh per annum.
	Energy Block 3	c/kWh	Charge applied to energy consumption above 7MWh per annum.
Residential Time of Use	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Peak Energy	c/kWh	Charge applied to energy consumption between 13:00 to 20:00 on business days.
	Shoulder Energy	c/kWh	Charge applied to energy consumption between 07:00 to 13:00 and 20:00 to 22:00 on business days.
	Off-Peak Energy	c/kWh	All other times
General Supply Block Tariff	Fixed	c/day	Access charge reflecting a fixed amount per day.

[6] For the purpose of this Pricing Proposal, Endeavour Energy has displayed block tariff consumption thresholds on a MWh per annum basis. In practice, this annualised consumption threshold will be calculated on a pro-rata basis corresponding to the billing period.

3 STRUCTURE AND CHARGING PARAMETERS

Tariff Type	Components	Measurement	Charging Parameter[6]
	Energy Block 1	c/kWh	Effective 1 July 2018, charge applied to energy consumption up to and including 120 MWh per annum. Prior to 1 July 2018, charge applied to energy consumption up to and including 10 MWh per annum.
	Energy Block 2	c/kWh	Effective 1 July 2018, charge applied to energy consumption above 120 MWh per annum. Prior to 1 July 2018, charge applied to energy consumption above 10 MWh per annum.
General Supply Time of Use	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Peak Energy	c/kWh	Charge applied to energy consumption between 13:00 to 20:00 on business days.
	Shoulder Energy	c/kWh	Charge applied to energy consumption between 07:00 to 13:00 and 20:00 to 22:00 on business days.
	Off-Peak Energy	c/kWh	All other times
Controlled Load 1	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Energy	c/kWh	Charge applied to controlled energy consumption where energy consumption is controlled by our equipment so that supply may not be available between 07:00 and 22:00.
Controlled Load 2	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Energy	c/kWh	Charge applied to controlled energy consumption where supply is available for restricted periods not exceeding a total of 17 hours in any period of 24 hours.

3 STRUCTURE AND CHARGING PARAMETERS

Low Voltage Demand Tariff Class

The charging parameters for this tariff class are set out in the table below.

Table 3.2: Charging parameters for the Low Voltage Demand Tariff Class

Tariff Type	Components	Measurement	Charging Parameter
LV TOU Demand	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Peak Energy	c/kWh	Charge applied to energy consumption between 13:00 to 20:00 on business days.
	Shoulder Energy	c/kWh	Charge applied to energy consumption between 07:00 to 13:00 and 20:00 to 22:00 on business days.
	Off-Peak Energy	c/kWh	All other times
	High Season Demand	$/kVA/month	Charge applied to maximum energy demand between 13:00 to 20:00 on business days. High Season includes the periods November to March and June to August inclusive.
	Low Season Demand	$/kVA/month	Charge applied to maximum energy demand between 13:00 to 20:00 on business days. Low Season includes the periods September to October and April to May inclusive.
LV TOU Demand Transition Tariff	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Peak Energy	c/kWh	Charge applied to energy consumption between 13:00 to 20:00 on business days.
	Shoulder Energy	c/kWh	Charge applied to energy consumption between 07:00 to 13:00 and 20:00 to 22:00 on business days.
	Off-Peak Energy	c/kWh	All other times

3 STRUCTURE AND CHARGING PARAMETERS

High Voltage Demand Tariff Class

The charging parameters for this tariff class are set out in the table below.

Table 3.3: Charging parameters for the High Voltage Demand Tariff Class

Tariff Type	Components	Measurement	Charging Parameter
HV TOU Demand	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Peak Energy	c/kWh	Charge applied to energy consumption between 13:00 to 20:00 on business days.
	Shoulder Energy	c/kWh	Charge applied to energy consumption between 07:00 to 13:00 and 20:00 to 22:00 on business days.
	Off-Peak Energy	c/kWh	All other times
	High Season Demand	$/kVA/month	Charge applied to maximum energy demand between 13:00 to 20:00 on business days. High Season includes the periods November to March and June to August inclusive.
	Low Season Demand	$/kVA/month	Charge applied to maximum energy demand between 13:00 to 20:00 on business days. Low Season includes the periods September to October and April to May inclusive.
Individually Calculated HV TOU Demand	As per the HV TOU Demand tariff		

3 STRUCTURE AND CHARGING PARAMETERS

Subtransmission Voltage Demand Tariff Class

The charging parameters for this tariff class are set out in the table below.

Table 3.4: Charging parameters for the Subtransmission Voltage Demand Tariff Class

Tariff Type	Components	Measurement	Charging Parameter
ST TOU Demand	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Peak Energy	c/kWh	Charge applied to energy consumption between 13:00 to 20:00 on business days.
	Shoulder Energy	c/kWh	Charge applied to energy consumption between 07:00 to 13:00 and 20:00 to 22:00 on business days.
	Off-Peak Energy	c/kWh	All other times
	High Season Demand	$/kVA/month	Charge applied to maximum energy demand between 13:00 to 20:00 on business days. High Season includes the periods November to March and June to August inclusive.
	Low Season Demand	$/kVA/month	Charge applied to maximum energy demand between 13:00 to 20:00 on business days. Low Season includes the periods September to October and April to May inclusive.
Individually Calculated ST TOU Demand	As per the ST TOU Demand tariff		

3 STRUCTURE AND CHARGING PARAMETERS

Inter-Distributor Transfer Tariff Class

The charging parameters for this tariff class are set out in the table below.

Table 3.5: Charging parameters for the Inter-Distributor Transfer Tariff Class

Tariff Type	Components	Measurement	Charging Parameter
Individually Calculated TOU Demand	Fixed	c/day	Access charge reflecting a fixed amount per day.
	Peak Energy	c/kWh	Charge applied to energy consumption between 13:00 to 20:00 on business days.
	Shoulder Energy	c/kWh	Charge applied to energy consumption between 07:00 to 13:00 and 20:00 to 22:00 on business days.
	Off-Peak Energy	c/kWh	All other times
	High Season Demand	$/kVA/month	Charge applied to maximum energy demand between 13:00 to 20:00 on business days. High Season includes the periods November to March and June to August inclusive.
	Low Season Demand	$/kVA/month	Charge applied to maximum energy demand between 13:00 to 20:00 on business days. Low Season includes the periods September to October and April to May inclusive.

Unmetered Supply Tariff Class

The charging parameters for this tariff class are set out in the table below.

Table 3.6: Charging parameters for the Unmetered Supply Tariff Class

Tariff Type	Components	Measurement	Charging Parameter
Unmetered Block Tariff	Energy Block 1	c/kWh	Effective 1 July 2018, charge applied to energy consumption up to and including 120 MWh per annum. Prior to 1 July 2018, charge applied to energy consumption up to and including 10 MWh per annum.

	Energy Block 2	c/kWh	Effective 1 July 2018, charge applied to energy consumption above 120 MWh per annum. Prior to 1 July 2018, charge applied to energy consumption above 10 MWh per annum.
Unmetered Energy Tariff	Energy	c/kWh	Charge applied to all energy consumption.

3.3. *Alternative Control Services*

The AER has classified the following categories of direct control services as alternative control services, with the form of control for all services being a price cap:

- Ancillary network services
- Metering
- Public lighting

Alternative control services are customer specific or customer requested services and so the full cost of the service is attributed to that particular customer.

Ancillary Network Services

Ancillary network services are non-routine services provided to individual customers on an 'as needs' basis and can be charged as either a fee based service or a quoted service.

The charge for a fee based service is determined based on the cost of providing the service (labour rates) and the average time taken to perform the service. For these services the fee is fixed and applies irrespective of the actual time taken to perform it.

The form of control to apply to ancillary network fee based services is a price cap. Under this form of control, a schedule of prices is set for the first year. For the following years the previous year's prices are adjusted by CPI and an X factor.

The AER has determined that the following formula gives effect to the cap on prices for alternative control fee based services:

$$\bar{p}_i^t \geq p_i^t \text{ i=1,...,n and t=1, 2, 3, 4}$$

$$\bar{p}_i^t = \bar{p}_i^{t-1}(1 + \Delta CPI_t)(1 - X_i^t) + A_i^t$$

Where:

$\bar{p}_i^t$ is the cap on the price of service i in year t. For 2015–16 this is the price as determined in appendix A.1 of Attachment 16 of the AER's Final Decision, escalated by ΔCPI and the X-factor.

p_i^t is the price of service i in year t.

$$\Delta CPI_t = \left[\frac{CPI_{Mar,t-2} + CPI_{Jun,t-2} + CPI_{Sep,t-1} + CPI_{Dec,t-1}}{CPI_{Mar,t-3} + CPI_{Jun,t-3} + CPI_{Sep,t-2} + CPI_{Dec,t-2}}\right] - 1$$

3 STRUCTURE AND CHARGING PARAMETERS

CPI means the all groups index number for the weighted average of eight capital cities as published by the ABS, or if the ABS does not or ceases to publish the index, then CPI will mean an index which the AER considers is the best estimate of the index.

X_i^t is the value of X for the year t in the regulatory control period, as per table 16.1 of Attachment 16 of the AER's Final Decision.

$\bar{p}_i^1$ is the cap on the price of service i in the first year of the subsequent regulatory control period. See appendix A.1 of Attachment 16 of the AER's Final Decision.

A_i^t is an adjustment factor for residual charges when customers choose to replace assets before the end of their economic life. For ancillary network services the AER have determined the value for A is zero.

Quoted services are those which are once off and specific to a particular customer's request. The cost of this service will depend on the actual time taken and materials used to perform the service.

Price = labour + contractor services + materials

Metering

The AER has determined that Type 5 and 6 metering services be (re)classified as alternative control services. This means that effective 1 July 2015, Endeavour Energy's metering charges are unbundled from the distribution component of the network tariffs and are charged separately.

The AER's Distribution 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 form of control to apply to metering services is a price cap. Under this form of control, a schedule of prices is set for the first year. For the following years the previous year's prices are adjusted by CPI and an X factor.

$$\bar{p}_i^t \geq p_i^t \text{ i=1,...,n and t=1, 2, 3, 4}$$

$$\bar{p}_i^t = \bar{p}_i^{t-1}(1 + \Delta CPI_t)(1 - X_i^t)$$

Where:

$\bar{p}_i^t$ is the cap on the price of service i in year t. However, for 2015–16 this is the price as determined in Appendix A of Attachment 16 of the AER's Final Decision.

p_i^t is the price of service i in year *t*.

$$\Delta CPI_t = \left[\frac{CPI_{Mar,t-2} + CPI_{Jun,t-2} + CPI_{Sep,t-1} + CPI_{Dec,t-1}}{CPI_{Mar,t-3} + CPI_{Jun,t-3} + CPI_{Sep,t-2} + CPI_{Dec,t-2}}\right] - 1$$

CPI means the all groups index number for the weighted average of eight capital cities as published by the ABS, or if the ABS does not or ceases to publish the index, then CPI will mean an index which the AER considers is the best estimate of the index.

X_i^t is:

- for the annual metering charges, the factors set out in Table 16.8 of the AER's Final Decision.

- for the upfront capital charges, the factors set out in Table 16.9 of the AER's Final Decision.

Public Lighting

Public lighting has been maintained as an alternative control service. Public lighting services include the design, financing, procurement and construction of public lighting installations, as well as their on-going maintenance and operation.

The form of control to apply to public lighting is a price cap. Under this form of control, a schedule of prices is set for the first year. For the following years the previous year's prices are adjusted by CPI and an X factor.

The AER has determined that the following formula gives effect to the cap on prices for public lighting:

$$\bar{p}_i^t \geq p_i^t \text{ i=1,...,n and t=1, 2, 3, 4}$$

$$\bar{p}_i^t = \bar{p}_i^{t-1}(1 + \Delta CPI_t)(1 - X_i^t) + A_i^t$$

Where:

$\bar{p}_i^t$ is the cap on the price of service i in year t. However, for 2015–16 this is the price as determined in appendix A.2 of Attachment 16 of the AER's Final Decision.

p_i^t is the price of service i in year t.

$$\Delta CPI_t = \left[\frac{CPI_{Mar,t-2} + CPI_{Jun,t-2} + CPI_{Sep,t-1} + CPI_{Dec,t-1}}{CPI_{Mar,t-3} + CPI_{Jun,t-3} + CPI_{Sep,t-2} + CPI_{Dec,t-2}}\right] - 1$$

CPI means the all groups index number for the weighted average of eight capital cities as published by the ABS, or if the ABS does not or ceases to publish the index, then CPI will mean an index which the AER considers is the best estimate of the index.

X_i^t is the value of X for the year t in the regulatory control period. There are no X-factors for public lighting.

A_i^t is an adjustment factor likely to include, but not limited to, adjustments for residual charges when customers choose to replace assets before the end of their economic life. For public lighting we consider the value for A is zero.

4 APPROACH TO SETTING TARIFFS

This section details Endeavour Energy's guiding objectives and approach to setting tariffs for direct control services[7]. We have set these tariffs by:

- setting the tariff at a level such that the revenue we expect to recover from customers lies between
    - the stand alone cost of serving those customers who belong to that tariff class
    - the avoidable cost of not serving those customers.
- setting each tariff so that it is based on the long run marginal cost (LRMC) of providing services to those customers assigned to that tariff
- setting our tariffs to reflect the efficient costs of providing the services
- taking account of, and limiting the customer impact of changes to tariffs.

4.1. Network Tariff Objectives

Endeavour Energy aims to deliver electricity to our customers in a way that is safe, reliable and sustainable.

Consistent with this goal, we seek to price our services in a way that is transparent, equitable, predictable and efficient. More specifically, we seek to structure our tariffs:

- **transparently**, so that our customers can clearly understand how the prices they pay have been derived, and how they compare with those paid by other customers that place different demands on our network
- **equitably**, so that similar customers pay similar prices and that each type of customer pays their share of the cost of operating the network
- in a way that provides customers with **predictability** in terms of their likely electricity costs
- in a manner that **efficiently** encourages use of the network by providing customers with incentives to reduce their consumption during times of peak demand, or shift to alternative tariffs that provide better price signals.

Endeavour Energy recognises that at times these objectives will conflict. In particular, the transition to efficient pricing may come at the cost of simplicity and transparency and may not provide customers with the degree of predictability they desire. We will therefore pay close attention to the impact that changes to our tariff structures may have on our customers and aim to mitigate any negative impacts where possible.

In considering our future tariff strategy, Endeavour Energy needs to balance:

- prices that promote the efficient use of the network and network investment into the future
- recovery of the regulated revenue the AER has allowed us
- the short term impacts on customers from moving away from current tariff structures towards more efficient structures.

We consider the transition to efficient pricing to be a long-term goal that will be best achieved by learning from experience and working with our customers to develop tariff structures that best meet their needs.

We consider these pricing goals to be consistent with the Network Pricing Objective and the Pricing Principles as set out in the Rules.

[7] Clause 6.18.1A(a)(5) of the Rules.

4 APPROACH TO SETTING TARIFFS

4.2. Revenue is between stand-alone and avoidable cost for each tariff class

Endeavour Energy sets its tariffs at a level such that, for each tariff class, the revenue we expect to recover from customers lies between:

- the stand alone cost of serving those customers who belong to that tariff class (the upper bound); and
- the avoidable cost of not serving those customers (the lower bound).

The stand-alone cost of serving a group of customers is the total cost required to serve those customers alone, ie, were we to build the network anew, removing all other customers from the network. The avoidable cost of serving a group of customers is the reduction in cost that could be achieved if those customers were no longer served, ie, the reduction in cost associated with a reduction in output that was previously provided to that class of customer.

Endeavour Energy calculates stand-alone and avoidable costs by first classifying each of our network cost categories on the basis of the following two dimensions:

- whether costs are direct or indirect
- whether costs are scalable or non-scalable.

Avoidable cost for each tariff class is calculated as the sum of all direct costs multiplied by some weight,[8] which represents the proportion of direct costs that are attributable to that tariff class.

Stand-alone cost for each tariff class is calculated by taking the avoidable cost for that tariff class and adding to it:

- all non-scalable indirect costs we incur in operating the network
- a proportion of our scalable, indirect costs that can be attributed to that tariff class.

Calculation of Avoidable and Stand Alone Cost

As illustrated in the table below, in each tariff class, the revenue we expect to recover over the period 2017-18 lies between these upper and lower bounds. This also serves to demonstrate the manner in which the tariffs applying to each tariff class reflect both the efficient costs of serving customers within those classes and the total efficient revenue requirement as set by the AER.

Table 4.1 – avoidable and stand alone cost calculation

Tariff Class	Expected DUOS Revenue ($'000)	Avoidable Cost ($'000)	Stand Alone Cost ($'000)	Between Avoidable and Stand Alone Cost?
Low Voltage Energy	599,922	391,645	728,807	Yes
Low Voltage Demand	157,963	35,327	372,489	Yes
High Voltage Demand	30,617	13,970	266,789	Yes
Subtransmission Demand	25,173	12,206	70,698	Yes
Inter-Distributor Transfers	5,137	3,475	61,967	Yes
Unmetered Supply	8,675	0	337,162	Yes

[8] Endeavour Energy's current weights are derived from the estimated value of the assets at each voltage level.

4 APPROACH TO SETTING TARIFFS

4.3. Estimating long-run marginal cost

We set our tariffs based on the long run marginal cost (LRMC) of providing services to those customers assigned to that tariff. The LRMC of supplying each tariff class is estimated using an average incremental cost approach, ie, by taking the average change in projected operating and capital expenditure attributable to future increases in demand. This averages the total cost of supplying new growth in demand over that growth in demand.

In practice, under this approach LRMC is estimated by:

- projecting future operating and capital costs attributable to expected increases in demand.
- forecasting future load growth for the relevant network asset (or assets).
- dividing the present value of projected costs by the present value of expected increases in demand.

The average incremental cost approach yields an LRMC estimate for each network service expressed in dollars per kVA per annum.

Endeavour Energy's estimate of the LRMC for the services provided are illustrated in the table below.

Table 4.2 – Voltage level LRMC calculation

Voltage Level	LRMC Calculation ($/kVA/pa)
Low Voltage	$149.45
High Voltage	$29.25
Subtransmission	$18.58

Many customers are not, and indeed cannot, be charged on the basis of their contribution to the network's maximum demand. It is therefore necessary to express these 'dollars per kVA per annum' LRMC estimates (hereafter termed 'base LRMC estimates') in terms of the charging parameters that constitute each tariff.

Translation of LRMC into charging parameters for non-TOU tariffs

Translation of LRMC into charging parameters for non-TOU tariffs involves two steps, ie:

1. Converting the base LRMC estimate using the power factor for a given customer class.

2. Converting the resulting estimate to dollars per kWh by dividing by the number of hours in the year that the variable tariff component can be charged, ie:

$$\text{LRMC estimate (\$ per kWh)} = \frac{\text{LRMC (\$ per kW} \cdot \text{ year)}}{8760 \text{ hours}}$$

Translation of LRMC into charging parameters for TOU energy tariffs

Expressing the base LRMC estimate in terms of time-of-use tariffs requires an additional term to capture the probability that maximum demand (or 'MD') for the network occurs during a given time period (ie, peak, shoulder or off-peak). After adjusting for the power factor, the LRMC estimate for each time period can be calculated as follows:

4 APPROACH TO SETTING TARIFFS

$$\text{LRMC estimate (\$ per kWh)} = \frac{\text{LRMC} \times \text{Prob. of MD occurring during time period}}{\text{Total number of hours in time period in the year}}$$

Translation of LRMC into charging parameters for time of use demand tariffs

Endeavour Energy's demand tariffs have charging parameters that are more closely aligned with the base LRMC estimate, because they are already expressed in terms of dollars per kVA per annum. The efficient charging parameters can be estimated as follows:

$$\text{LRMC estimate (\$ per kVA} \cdot \text{month)} = \frac{\text{LRMC} \times \text{Prob. of MD occurring during time period}}{\text{Number of months in time period in the year}}$$

4.4. Changes from the previous regulatory year

In accordance with our approved TSS, Endeavour Energy will change the time of day charging windows for residential TOU customers with off-peak replacing the shoulder rate on non-business days. This brings the residential time of day definitions into alignment with the non-residential definition.

Endeavour Energy is not proposing any other changes to the structure of network tariffs in 2017-18.

4.5. Changes within the regulatory year

Endeavour Energy does not propose to make any variations or adjustments to the structure of network tariffs during the course of 2017-18.

5 PROPOSED NUOS TARIFFS

Endeavour Energy's network use of system (NUOS) tariffs represent the aggregation of distribution use of system (DUOS) tariffs, climate change fund (CCF) recovery tariffs and transmission cost recovery (TCR) tariffs. The tariffs include the allowed movement in the consumer price index and are exclusive of GST.

5.1. Comparison to Indicative Pricing Schedule

Endeavour Energy's approved Tariff Structure Statement (TSS) was accompanied by an Indicative Pricing Schedule (IPS) of 2017-18 tariffs. The following table demonstrates the underlying difference between the average price movement assumed in the IPS and the actual 2017-18 average pricing outcomes.

Table 5.1 – Contribution to average network price change

Contribution to average network price change	IPS 2017-18	Actual 2017-18
Distribution tariffs	0.86%	-2.23%
Transmission cost recovery tariffs	-0.11%	-1.33%
Climate Change Fund recovery tariffs	0.59%	0.36%
Average network price change	**1.34%**	**-3.20%**
Underlying CPI assumption	2.50%	1.28%

Variances in the rate of change in each charging parameter reflect these different rates of change in the DUOS, TCR and CCF tariffs and their differing proportional representation in each NUOS charging parameter.

Endeavour Energy has proposed the following material variances to the IPS for the following tariffs.

Residential Block Tariff

In our approved TSS, Endeavour Energy proposed to transition the declining block tariff to a flat tariff over two years in order to manage customer bill impacts. However, with a lower than expected average price movement we now believe that the actual customer bill impacts of a one year transition (which was the preferred option from our customer engagement) are acceptable. As such we now propose to transition to a flat tariff in 2017-18. To do this we must reduce the first block energy price by a larger amount than initially foreshadowed in our IPS.

Under this proposal over 99.9% of customers are better off in 2017-18 when compared to the two year transition period as outlined in our TSS.

Residential Time of Use Tariff

In accordance with our approved TSS, we will replace the non-business day shoulder period with an off-peak period for this tariff type. As outlined above we are also proposing to transition the residential block tariff to a flat tariff in one, rather than two years. To maintain pricing relativity to the residential block tariff the proposed peak and shoulder energy prices have been increased by a larger amount than initially foreshadowed in the IPS.

5 PROPOSED NUOS TARIFFS

5.2. Low Voltage Energy Tariff Class

Residential block tariff – N70

The following table provides the proposed prices for the default residential block tariff for 2017-18. N70 is Endeavour Energy's primary residential tariff with over 99.9% of residential customers charged using this tariff.

Table 5.3 – Proposed 2017-18 residential block tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	121.1070	122.6400	1.3%
First Block Energy Charge (c/kWh)	9.8679	9.0678	-8.1%
Second Block Energy Charge (c/kWh)	9.2693	9.0678	-2.2%
Third Block Energy Charge (c/kWh)	8.1621	9.0678	11.1%

All prices in the above table are exclusive of GST.

The fixed charge increase has been limited to CPI.

Residential time of use (type 5) – N705

The following table provides the proposed prices for the residential time of use tariff (type 5) for 2017-18. N705 is an optional[9] residential time of use tariff with less than 0.1% of residential customers charged using this tariff.

Table 5.4 – Proposed 2017-18 residential time of use (type 5) tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	184.2155	141.0360	-23.4%
Peak Energy Charge (c/kWh)	13.8132	14.4038	4.3%
Shoulder Energy Charge (c/kWh)	9.1451	9.4621	3.5%
Off Peak Energy Charge (c/kWh)	4.6754	5.5699	19.1%

All prices in the above table are exclusive of GST.

Endeavour Energy proposes to decrease the fixed charge by 23.4% to bring it closer to alignment with the Residential block tariff (N70) fixed charge.

9 From 1 July 2018 it is proposed that new customers (all of whom will have interval meters under the metering rule change) be assigned to the default TOU tariff, with the option to opt-out to the non-TOU tariff. Existing customers with interval meters will have the option to opt-in to this tariff.

5 PROPOSED NUOS TARIFFS

Energy rates have been adjusted in response to the removal of the weekend shoulder rate effective 1 July 2017 for this tariff (bringing the time of day timing definition into alignment with the non-residential definition). The change in the time of day's definition is as set out in the TSS.

Residential time of use – N706

The following table provides the proposed prices for the residential time of use tariff for 2017-18. N706 is an optional[10] residential time of use tariff with less than 0.1% of residential customers charged using this tariff.

Table 5.5 – Proposed 2017-18 residential time of use tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	184.2155	141.0360	-23.4%
Peak Energy Charge (c/kWh)	13.8132	14.4038	4.3%
Shoulder Energy Charge (c/kWh)	9.1451	9.4621	3.5%
Off Peak Energy Charge (c/kWh)	4.6754	5.5699	19.1%

All prices in the above table are exclusive of GST.

Endeavour Energy proposes to decrease the fixed charge by 23.4% to bring it closer to alignment with the Residential block tariff (N70) fixed charge.

Energy rates have been adjusted in response to the removal of the weekend shoulder rate effective 1 July 2017 for this tariff (bringing the time of day timing definition into alignment with the non-residential definition). The change in the time of day's definition is as set out in the TSS.

General supply block tariff – N90

The following table provides the proposed prices for the default general supply block tariff for 2017-18. N90 is Endeavour Energy's primary general supply tariff with approximately 96.8% of general supply customers charged using this tariff.

Table 5.6 – Proposed 2017-18 general supply block tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	173.2655	175.4555	1.3%
First Block Energy Charge (c/kWh)	8.9513	8.9532	0.0%
Second Block Energy Charge (c/kWh)	9.8373	9.0718	-7.8%

All prices in the above table are exclusive of GST

10 From 1 July 2018 it is proposed that new customers (all of whom will have interval meters under the metering rule change) be assigned to the default TOU tariff, with the option to opt-out to the non-TOU tariff. Existing customers with interval meters will have the option to opt-in to this tariff.

5 PROPOSED NUOS TARIFFS

The fixed charge increase has been limited to CPI.

Endeavour Energy proposes to reduce the existing NUOS price differential from 9.9% to 1.3% in line with the two year transition for the change of threshold from 10 MWh to 120 MWh per annum effective 1 July 2018 as per our TSS. Once the threshold is transitioned from 10 MWh to 120 MWh per annum, Endeavour Energy intends to re-establish a more significant variance between the first and second energy charges.

Under our proposed pricing all customers are better off compared with the TSS for the transition to the change in threshold over two years. All customers will have a bill impact of CPI or less.

General supply time of use – N84

The following table provides the proposed prices for the general supply time of use tariff for 2017-18. Approximately 2.6% of general supply customers are charged using the N84 tariff.

Table 5.7 – Proposed 2017-18 general supply time of use tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	285.2840	201.9180	-29.2%
Peak Energy Charge (c/kWh)	14.7934	14.7115	-0.6%
Shoulder Energy Charge (c/kWh)	9.7605	9.6786	-0.8%
Off Peak Energy Charge (c/kWh)	4.6742	5.0457	7.9%

All prices in the above table are exclusive of GST.

Endeavour Energy proposes to decrease the fixed charge by over 29.2% to bring it closer to alignment with the non-TOU General Supply Block tariff fixed charge.

General supply time of use (type 5) – N845

The following table provides the proposed prices for the general supply time of use tariff (type 5) for 2017-18. Approximately 0.5% of general supply customers are charged using the N845 tariff.

Table 5.8 – Proposed 2017-18 general supply time of use (type 5) tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	285.2840	201.9180	-29.2%
Peak Energy Charge (c/kWh)	14.7934	14.7115	-0.6%
Shoulder Energy Charge (c/kWh)	9.7605	9.6786	-0.8%
Off Peak Energy Charge (c/kWh)	4.6742	5.0457	7.9%

All prices in the above table are exclusive of GST.

Endeavour Energy proposes to decrease the fixed charge by over 29.2% to bring it closer to alignment with the non-TOU General Supply Block tariff fixed charge.

5 PROPOSED NUOS TARIFFS

Controlled load tariffs – N50 and N54

The following table provides the proposed prices for the controlled load 1 tariff for 2017-18.

Table 5.9 – Proposed 2017-18 controlled load 1 tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	10.001	10.1105	1.1%
Energy Charge (c/kWh)	0.5937	0.5410	-8.9%

All prices in the above table are exclusive of GST.

The following table provides the proposed prices for the controlled load 2 tariff for 2017-18.

Table 5.10 – Proposed 2016-17 controlled load 2 tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	10.001	10.1105	1.1%
Energy Charge (c/kWh)	2.7147	2.6225	-3.4%

All prices in the above table are exclusive of GST.

The rate of change for each pricing element is in line with the rate of change outlined in the TSS. Variances in the rate of change in the energy charges reflect the different rates of change in the DUOS and TCR tariffs and their differing proportional representation in each NUOS energy price.

The lower prices for controlled load tariffs provide an incentive for customers to save money by electing to switch eligible equipment to the tariff, while at the same time reducing peak demand on the network.

5 PROPOSED NUOS TARIFFS

5.3. Low Voltage Demand Tariff Class

Low voltage time of use demand – N19

The following table provides the proposed prices for the low voltage time of use demand tariff for 2017-18.

Table 5.11 – Proposed 2017-18 low voltage time of use demand tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	6,836.0850	6,836.0850	0.0%
Peak Energy Charge (c/kWh)	4.1124	3.8715	-5.9%
Shoulder Energy Charge (c/kWh)	3.0474	2.8172	-7.6%
Off Peak Energy Charge (c/kWh)	1.3178	1.2287	-6.8%
High Season Peak Demand Charge ($/kVA/Month)	10.4581	10.0320	-4.1%
Low Season Peak Demand Charge ($/kVA/Month)	9.7237	8.8006	-9.5%

All prices in the above table are exclusive of GST.

Variances in the rate of change in the energy and demand charges reflect the different rates of change in the DUOS, TCR and CCF tariffs and their differing proportional representation in each of the NUOS energy and demand prices.

Transitional time of use – N89

The following table provides the proposed prices for the transitional time of use tariff for 2017-18.

Table 5.12 – Proposed 2017-18 transitional time of use tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	6,836.0850	6,836.0850	0.0%
Peak Energy Charge (c/kWh)	15.8922	15.7393	-1.0%
Shoulder Energy Charge (c/kWh)	9.1698	9.3398	1.9%
Off Peak Energy Charge (c/kWh)	1.6174	2.1486	32.8%

All prices in the above table are exclusive of GST.

Variances in the rate of change in the energy charges reflect the different rates of change in the DUOS, TCR and CCF tariffs and their differing proportional representation in each NUOS energy price.

5 PROPOSED NUOS TARIFFS

5.4. High Voltage Demand Tariff Class

High voltage time of use demand – N29

The following table provides the proposed prices for the high voltage time of use demand tariff for 2017-18.

Table 5.13 – Proposed 2017-18 high voltage time of use demand tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	11,312.9560	11,457.7515	1.3%
Peak Energy Charge (c/kWh)	3.0579	2.8330	-7.4%
Shoulder Energy Charge (c/kWh)	2.5175	2.2926	-8.9%
Off Peak Energy Charge (c/kWh)	1.1008	0.9930	-9.8%
High Season Peak Demand Charge ($/kVA/Month)	8.7899	8.7646	-0.3%
Low Season Peak Demand Charge ($/kVA/Month)	8.1844	7.6210	-6.9%

All prices in the above table are exclusive of GST.

Variances in the rate of change in the energy and demand charges reflect the different rates of change in the DUOS, TCR and CCF tariffs and their differing proportional representation in each of the NUOS energy and demand prices.

Individually calculated high voltage tariffs

The individually calculated high voltage NUOS tariffs have been provided to the AER on a confidential basis as these tariffs contain customer specific data.

5 PROPOSED NUOS TARIFFS

5.5. Subtransmission Voltage Demand Tariff Class

Subtransmission time of use demand – N39

The following table provides the proposed prices for the subtransmission time of use demand tariff for 2017-18.

Table 5.14 – Proposed 2017-18 subtransmission time of use demand tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	17,784.9535	18,012.5675	1.3%
Peak Energy Charge (c/kWh)	2.6332	2.4257	-7.9%
Shoulder Energy Charge (c/kWh)	2.1655	1.9580	-9.6%
Off Peak Energy Charge (c/kWh)	0.9973	0.9428	-5.5%
High Season Peak Demand Charge ($/kVA/Month)	6.7050	7.0441	5.1%
Low Season Peak Demand Charge ($/kVA/Month)	6.2895	6.1702	-1.9%

All prices in the above table are exclusive of GST.

Variances in the rate of change in the energy and demand charges reflect the different rates of change in the DUOS, TCR and CCF tariffs and their differing proportional representation in each of the NUOS energy and demand prices.

Individually calculated subtransmission voltage tariffs

The individually calculated high voltage NUOS tariffs have been provided to the AER on a confidential basis as these tariffs contain customer specific data.

5.6. Inter-Distributor Transfer Tariff Class

The inter-distributor NUOS tariffs have been provided to the AER on a confidential basis as these tariffs contain customer specific data.

5 PROPOSED NUOS TARIFFS

5.7. Unmetered Supply Tariff Class

The following table provides the proposed prices for the unmetered supply NUOS tariff (N99) for 2017-18.

Table 5.15 – Proposed 2017-18 unmetered supply tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	0.0000	0.0000	0.0%
First Block Energy Charge (c/kWh)	8.9513	8.9532	0.0%
Second Block Energy Charge (c/kWh)	8.9513	8.9532	0.0%

All prices in the above table are exclusive of GST.

Price movements are in alignment with the General Supply block tariff N90.

The following table provides the proposed prices for the street lighting NUOS tariff (SL) for 2017-18.

Table 5.16 – Proposed 2017-18 street lighting tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	0.0000	0.0000	0.0%
First Block Energy Charge (c/kWh)	8.1038	8.0195	-1.0%

All prices in the above table are exclusive of GST.

The following table provides the proposed prices for the traffic control signal lights NUOS tariff (TL) for 2017-18.

Table 5.17 – Proposed 2017-18 traffic control signal lights tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	0.0000	0.0000	0.0%
First Block Energy Charge (c/kWh)	8.9513	8.9532	0.0%

All prices in the above table are exclusive of GST.

Price movements are in alignment with the General Supply block tariff N90.

5 PROPOSED NUOS TARIFFS

The following table provides the proposed prices for the nightwatch NUOS tariff (NW) for 2017-18.

Table 5.18 – Proposed 2017-18 nightwatch tariff

Charging Parameter	Existing NUOS Tariff 2016-17	Proposed NUOS Tariff 2017-18	% change
Network Access Charge ($pa)	0.0000	0.0000	0.0%
First Block Energy Charge (c/kWh)	6.0302	6.2280	3.3%

All prices in the above table are exclusive of GST.

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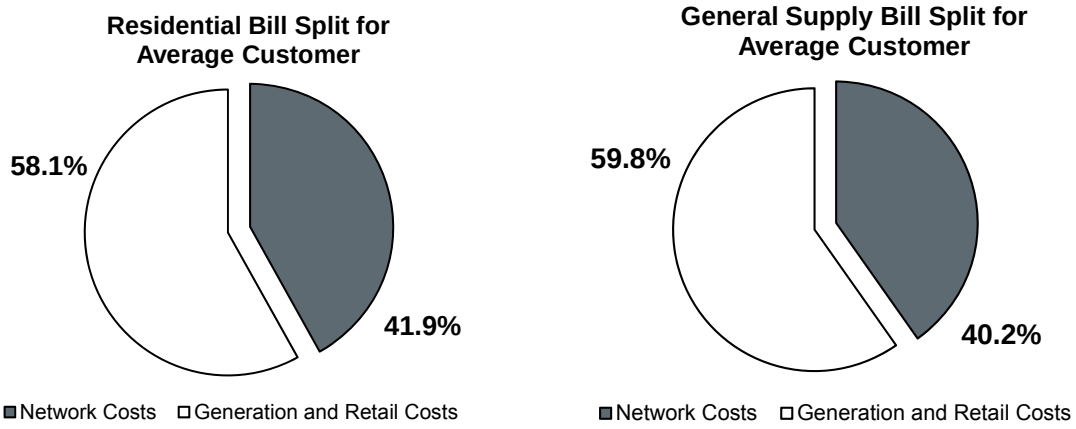
Endeavour Energy's network use of system tariffs are an aggregation of distribution tariffs, transmission cost recovery tariffs and climate change fund recovery tariffs. From 1 July 2015, Endeavour Energy's metering servicing charges (MSC) have been unbundled from the distribution component of the network tariffs and are charged separately. Retailers generally pass through network tariffs to end use customers and add the costs of purchasing electricity from the wholesale market and other retail-related costs of selling electricity.

The customer impacts examined in this chapter relate only to network charges and do not include assumptions relating to retail charges. The figure below provides the proportional network and retail components of an average regulated residential block tariff (BT) and general supply BT retail bill[11].

Figure 6.1 – Average regulated residential and general supply BT bills by network and retail component – 2016-17



As demonstrated above the NUOS charges represent approximately 40% of the total electricity price in each case.[12]

6.1. Low Voltage Energy Tariff Class

Residential block tariff – N70

The following table shows the expected network bill impacts of the proposed network price change for customers on the residential block tariff[13].

Table 6.1 – Customer impact residential block tariff

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
2,000	318.47	304.00	-4.5%
5,000*	608.52	576.03	-5.3%
7,000	793.90	757.39	-4.6%

[11] Average regulated retail bills are calculated on the basis of the 2016-17 regulated Retail price for residential BT and general supply BT tariff customers in the Endeavour Energy network consuming 5,000kWh and 26,000kWh respectively. Endeavour Energy's standard Metering Service Charges (MSC) are excluded.

[12] Over 99% of Endeavour Energy's customers are charged for electricity on the basis of either residential BT (N70) or general supply BT (N90) network tariff. Not all customers are supplied on the basis of the regulated retail tariff.

[13] Customer distribution based on historic (2015-16) data

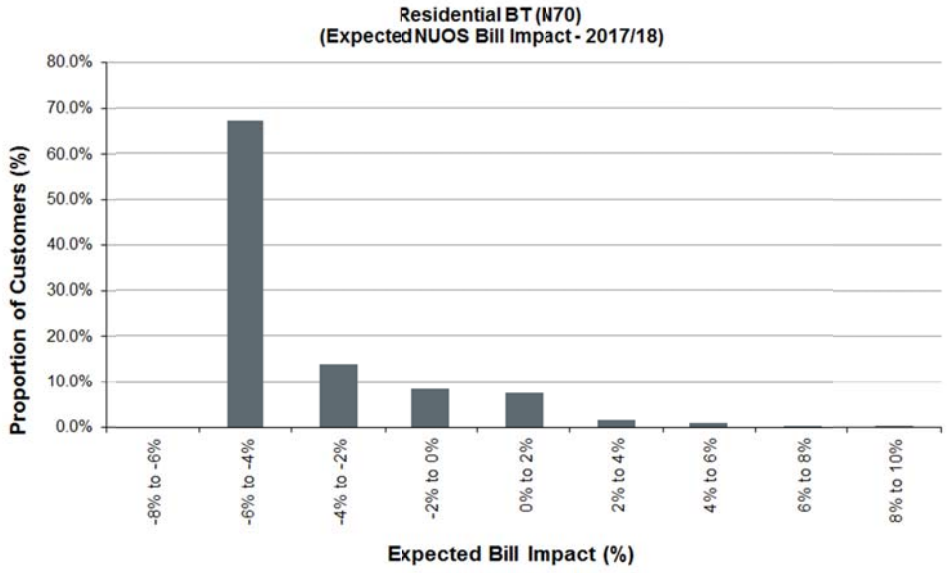
6 CONSUMER IMPACTS

10,000	1,038.77	1,029.42	-0.9%
15,000	1,446.87	1,482.81	2.5%

All indicative bill outcomes in the above table exclude the MSC and are exclusive of GST.
(*) Approximate annual consumption of an average sized customer.

The following figure shows the impact distribution of the proposed network price change for customers on the residential block tariff.

Figure 6.2 – Expected residential block tariff NUOS bill impact distribution



Residential time of use (type 5) – N705

The following table shows the expected network bill impacts of the proposed network price change for customers on the residential time of use (type 5) tariff.

Table 6.2 – Customer impact residential time of use (type 5)

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
5,000	643.34	581.06	-9.7%
10,000	1,102.46	1,021.09	-7.4%
30,000	2,938.96	2,781.20	-5.4%
50,000	4,775.46	4,541.30	-4.9%
70,000	6,611.95	6,301.41	-4.7%

All indicative bill outcomes in the above table exclude the MSC and are exclusive of GST.

6 CONSUMER IMPACTS

Residential time of use – N706

The following table shows the expected network bill impacts of the proposed network price change for customers on the residential time of use tariff.

Table 6.3– Customer impact residential time of use

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
5,000	643.34	581.06	-9.7%
10,000	1,102.46	1,021.09	-7.4%
30,000*	2,938.96	2,781.20	-5.4%
50,000	4,775.46	4,541.30	-4.9%
70,000	6,611.95	6,301.41	-4.7%

All indicative bill outcomes in the above table exclude the MSC and are exclusive of GST
(*) Approximate annual consumption of an average sized customer

General Supply block tariff – N90

The following table shows the expected network bill impacts of the proposed network price change for customers on the general supply block tariff.

Table 6.4 – Customer impact general supply block tariff

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
5,000	620.83	623.12	0.4%
10,000(*1)	1,068.40	1,070.78	0.2%
23,000(*2)	2,347.24	2,250.11	-4.1%
40,000	4,019.59	3,792.32	-5.7%
60,000	5,987.05	5,606.68	-6.4%

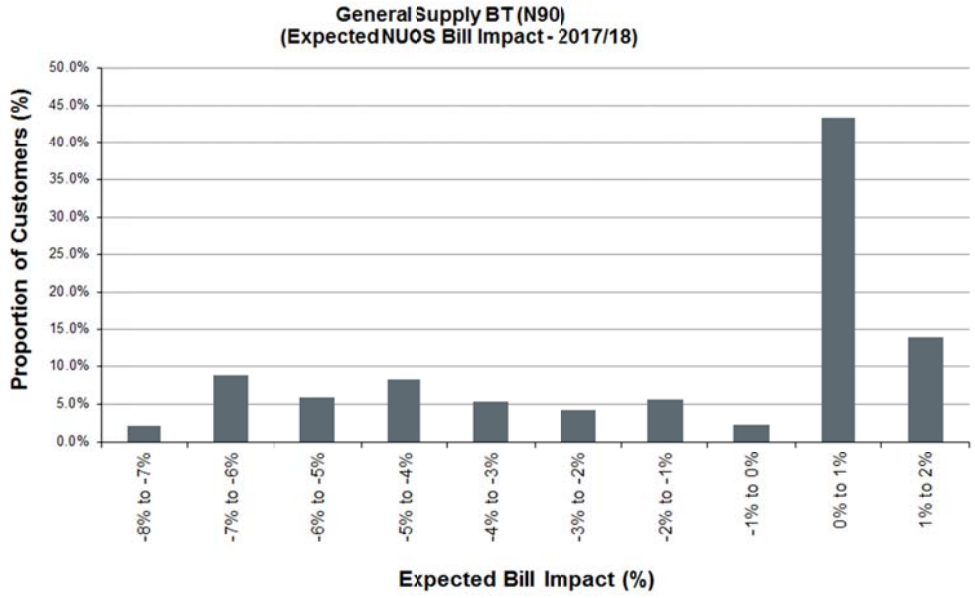
All indicative bill outcomes in the above table exclude the MSC and are exclusive of GST
(*1) Approximate annual consumption of the median customer
(*2) Approximate annual consumption of an average sized customer

The following figure shows the impact distribution of the proposed network price change for customers on the general supply block tariff[14].

Figure 6.3 – Expected general supply block tariff NUOS bill impact distribution

[14] Customer distribution based on historic (2014-15) data

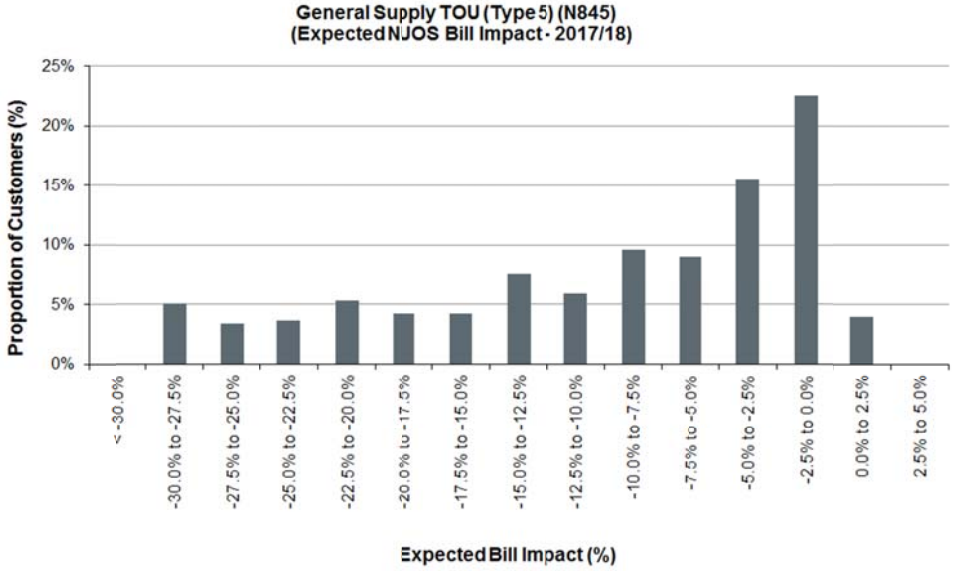
6 CONSUMER IMPACTS



General supply time of use (type 5) – N845

The following figure shows the impact distribution of the proposed network price change for customers on the general supply time of use (type 5) tariff.

Figure 6.4 – Expected general supply time of use (type 5) NUOS bill impact distribution



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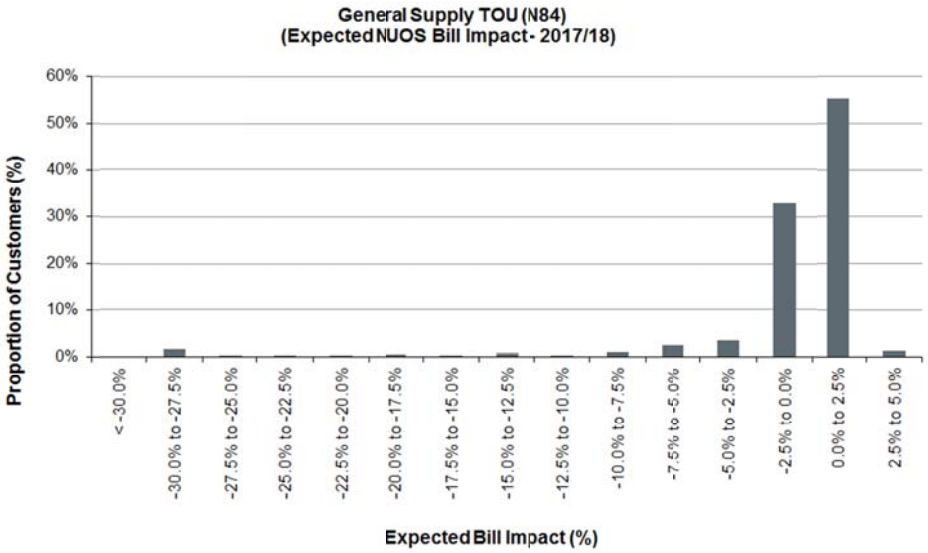
General supply time of use – N84

The following figure shows the impact distribution of the proposed network price change for customers on the general supply time of use tariff.

Figure 6.5 – Expected general supply time of use NUOS bill impact distribution



Controlled load tariffs – N50 and N54

The following table shows the expected network bill impacts of the proposed network price change for customers on the controlled load 1 tariff.

Table 6.5 – Customer impact Controlled Load 1

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
1,000	15.94	15.52	-2.6%
3,000*	27.81	26.34	-5.3%
5,000	39.69	37.16	-6.4%
10,000	69.37	64.21	-7.4%

All indicative bill outcomes in the above table exclude the MSC and are exclusive of GST
(*) Approximate annual consumption of an average sized customer

6 CONSUMER IMPACTS

The following table shows the expected network bill impacts of the proposed network price change for customers on the controlled load 2 tariff.

Table 6.6 – Customer impact Controlled Load 2

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
1,000	37.15	36.34	-2.2%
3,000*	91.44	88.79	-2.9%
5,000	145.74	141.24	-3.1%
10,000	281.47	272.36	-3.2%

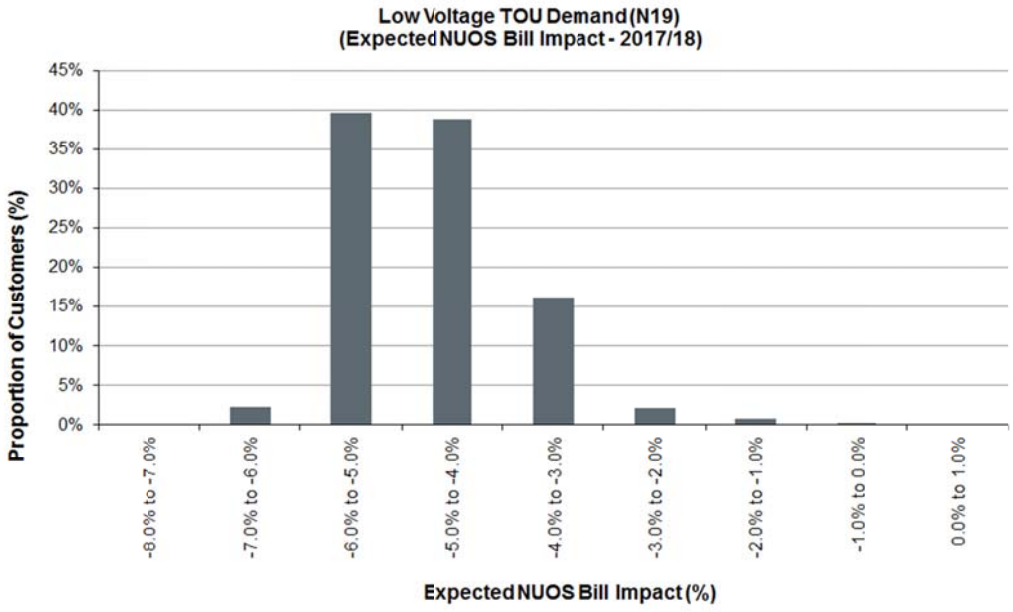
All indicative bill outcomes in the above table exclude the MSC and are exclusive of GST
(*) Approximate annual consumption of an average sized customer

6.2. Low Voltage Demand Tariff Class

Low voltage time of use demand – N19

The following figure shows the impact distribution of the proposed network price change for customers on the low voltage time of use demand tariff.

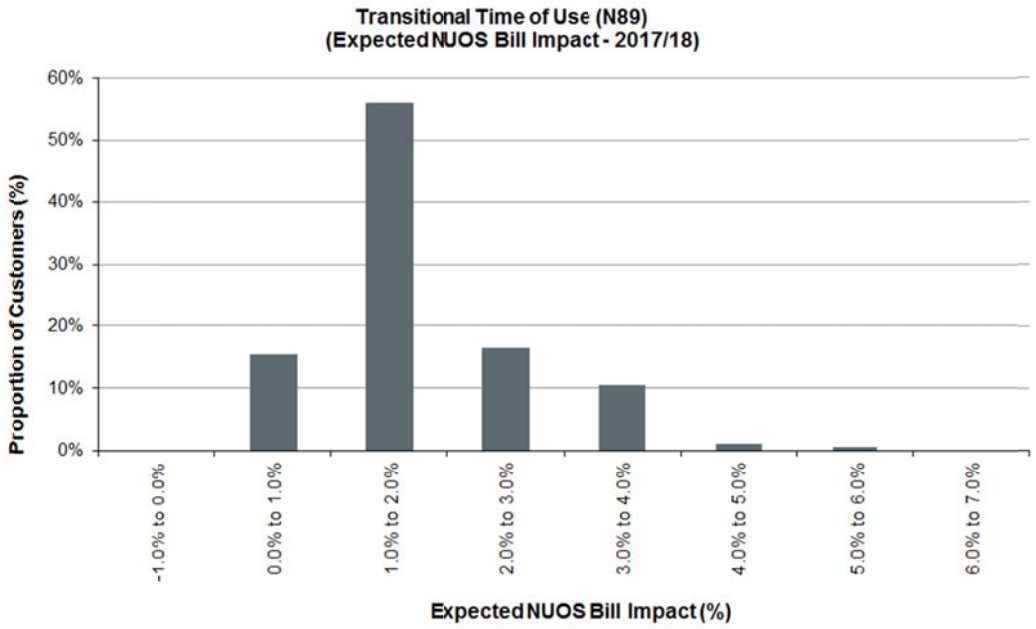
Figure 6.6 – Expected low voltage time of use demand NUOS bill impact distribution



Transitional time of use – N89

The following figure shows the impact distribution of the proposed network price change for customers on the transitional time of use tariff.

Figure 6.7 – Expected transition time of use NUOS bill impact distribution

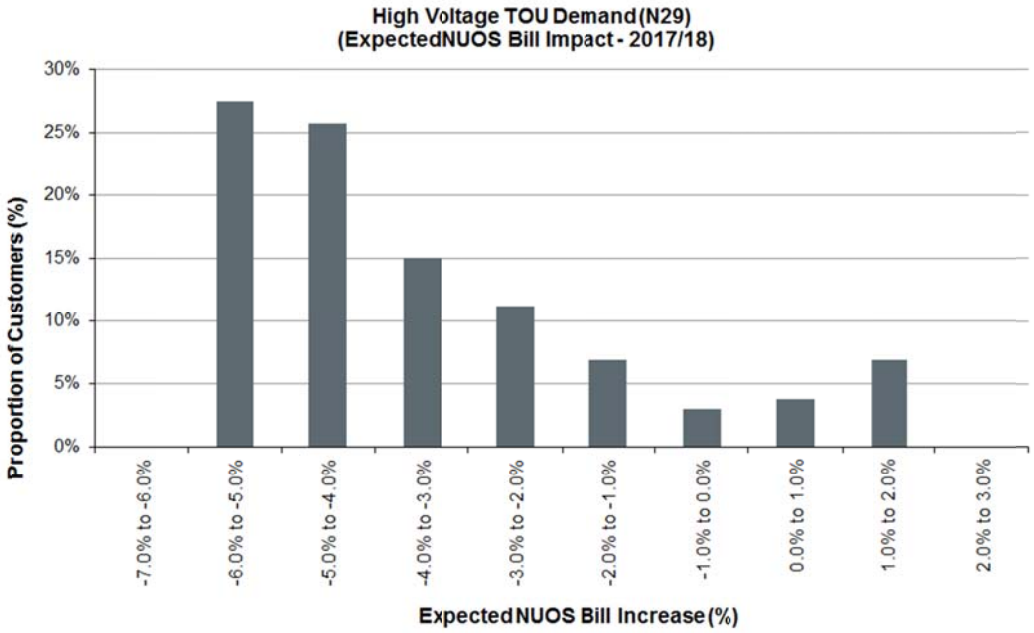


6.3. High Voltage Demand Tariff Class

High voltage time of use demand – N29

The following figure shows the impact distribution of the proposed network price change for customers on the high voltage time of use demand tariff.

Figure 6.8 – Expected high voltage time of use demand NUOS bill impact distribution

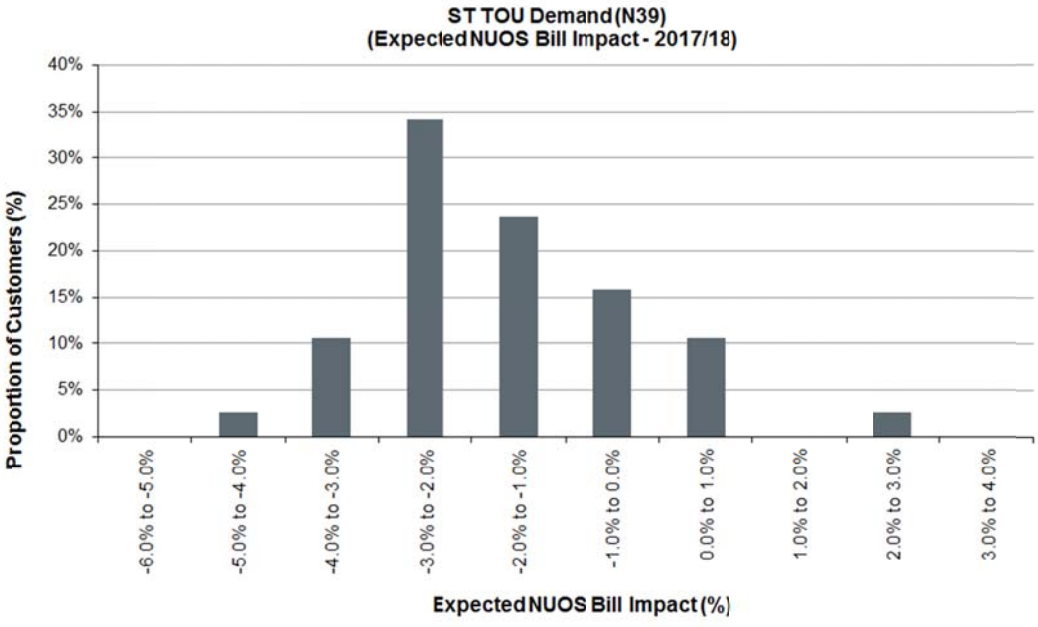


6.4. Subtransmission Voltage Demand Tariff Class

Subtransmission time of use demand – N39

The following figure shows the impact distribution of the proposed network price change for customers on the subtransmission time of use demand tariff.

Figure 6.9 – Expected subtransmission time of use demand NUOS bill impact distribution



6 CONSUMER IMPACTS

6.5. Unmetered Supply Tariff Class

The following table shows the expected network bill impacts of the proposed network price change for customers on the unmetered supply tariff.

Table 6.7 – Customer impact of the unmetered supply tariff (N99)

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
1,000	89.51	89.53	0.0%
3,000	268.54	268.60	0.0%
5,000	447.57	447.66	0.0%
10,000	895.13	895.32	0.0%
20,000	1,790.26	1,790.64	0.0%

All indicative bill outcomes in the above table are exclusive of GST.

The following table shows the expected network bill impacts of the proposed network price change for customers on the unmetered street lighting tariff.

Table 6.8 – Customer impact unmetered street lighting tariff (SL)

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
1,000	81.04	80.20	-1.0%
3,000	243.11	240.59	-1.0%
5,000	405.19	400.98	-1.0%
10,000	810.38	801.95	-1.0%
20,000	1,620.76	1,603.90	-1.0%

All indicative bill outcomes in the above table are exclusive of GST

6 CONSUMER IMPACTS

The following table shows the expected network bill impacts of the proposed network price change for customers on the unmetered traffic signal tariff.

Table 6.9 – Customer impact unmetered traffic signal tariff (TL)

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
1,000	89.51	89.53	0.0%
3,000	268.54	268.60	0.0%
5,000	447.57	447.66	0.0%
10,000	895.13	895.32	0.0%
20,000	1,790.26	1,790.64	0.0%

All indicative bill outcomes in the above table are exclusive of GST

The following table shows the expected network bill impacts of the proposed network price change for customers on the unmetered nightwatch tariff.

Table 6.10 – Customer impact nightwatch (NW)

Annual Consumption (kWh)	NUOS Bill ($pa)		Change in NUOS Bill (%)
	2016-17	2017-18	
1,000	60.30	62.28	3.3%
3,000	180.91	186.84	3.3%
5,000	301.51	311.40	3.3%
10,000	603.02	622.80	3.3%
20,000	1,206.04	1,245.60	3.3%

All indicative bill outcomes in the above table and are exclusive of GST.

6 CONSUMER IMPACTS

6.6. Customer Reassignment

Endeavour Energy intends to compulsorily assign 224 customers with annual consumption in excess of 160 MWh pa from their existing general supply BT, general supply time of use, transitional time of use or demand time of use tariff to the appropriate demand time of use or transitional time of use tariff post 1 July 2017.

The customers targeted for re-assignment meet the following criteria:

- Have an annual consumption in excess of 160MWh pa;
- Have time of use metering capable of supporting the proposed tariff; and
- The expected network bill impact of the reassignment to the destination tariff is either less than CPI or less than the bill impact the customer would have received had they stayed on their existing tariff.[15]

This reform proposal is consistent with Endeavour Energy's pricing policy of compulsory demand pricing for all customers with annual consumption greater than 160 MWh pa.

A summary of the proposed compulsory re-assignment of customers is provided in the following table:

Table 6.11– compulsory customer assignment

Origin Tariff	Proposed Tariff	Customers Assigned
General Supply BT	Transitional Time of Use	3
	Low Voltage time of use Demand	162
	High Voltage time of use Demand	0
General Supply Time of Use	Transitional Time of Use	1
	Low Voltage time of use Demand	23
	High Voltage time of use Demand	0
Transitional Time of Use	Low Voltage time of use Demand	35
	High Voltage time of use Demand	0
Low Voltage time of use Demand	High Voltage time of use Demand	0
Total		**224**

To be eligible for compulsory tariff re-assignment Endeavour Energy requires that the customer has metering installed that is capable of supporting the proposed tariff and that 2017-18 quantities are available in the form of the destination tariffs (ie peak, shoulder and off peak energy and demand tariff charging parameters).

Upon approval of the 2017-18 Pricing Proposal, and in accordance with Appendix D.3 of Attachment 14 of the AER's Final Distribution Determination, Endeavour Energy will write to the customer's retailer, who acts on the customers behalf, informing them of the proposed tariff reassignment.

The notification letter will provide the retailer with:

- The reasons for the reassignment;

[15] Bill impacts calculated on the basis of the 2015-16 annual consumption volume by customer.

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- The criteria by which the customer was identified for transfer;
- The opportunity to object to the reassignment prior to its actioning; and
- Notification that an alternate dispute resolution process is available should the retailer be dissatisfied with Endeavour Energy's proposal.

7 REGULATORY REQUIREMENTS

7.1. Distribution Pricing

In accordance with the agreed Undertaking, Endeavour Energy will target a smoothed allowed DUOS revenue for the year commencing on 1 July 2017 and ending on 30 June 2018 of $827.49 million (Adjusted Smoothed Revenue), which is the annual smoothed DUOS revenue requirement as set out in Endeavour Energy's pricing proposal for the year ending 30 June 2016 (being $804.88 million) adjusted to include the amount for changes in the consumer price index for the 2015-16 and 2016-17 years calculated consistent with the formula set out in Attachment 14 of the 2015 Determination - Figure 14.1 (being 1.51% and 1.28% respectively).

Compliance with the Revenue Cap

The following table demonstrates that Endeavour Energy's 2017-18 Pricing Proposal complies with the revenue cap constraint outlined in the Undertaking and based on the tariff classes outlined in this Proposal.

Table 7.1 – Compliance with the revenue cap[16]

Tariff Class	Weighted Average Revenue 2016-17 ($'000)	Proposed Revenue 2017-18 ($'000)
Low Voltage Energy	614,324	599,922
Low Voltage Demand	166,880	157,963
High Voltage Demand	31,852	30,617
Subtransmission Demand	25,936	25,173
Inter-Distributor Transfers	5,207	5,137
Unmetered Supply	8,693	8,675
Proposed DUOS Revenue from Tariffs	**852,892**[17]	**827,487**
Annual Smoothed DUOS Revenue Requirement		**827,487**
Is the proposed DUOS revenue within the Revenue Cap?		**Yes**

[16] Weighted average revenues have been calculated using forecast 2017-18 volumes.

[17] Endeavour Energy's 2016-17 prices were calculated under a separate undertaking with the AER.

7 REGULATORY REQUIREMENTS

Compliance with tariff class constraints

In accordance with the Undertaking, side constraints do not apply to Endeavour Energy's tariff classes in 2017-18. Endeavour Energy notes however, that the weighted average revenue change by tariff class is below CPI or 1.28% for all tariff classes.

Table 7.2 – Average Tariff Class Movement[18]

Tariff Class	Weighted Average Existing Revenue 2016-17 ($'000)	Proposed Revenue 2017-18 ($'000)	Change in Weighted Average Revenue (%)
Low Voltage Energy	614,324	599,922	-2.34%
Low Voltage Demand	166,880	157,963	-5.34%
High Voltage Demand	31,852	30,617	-3.88%
Subtransmission Demand	25,936	25,173	-2.94%
Inter-Distributor Transfers	5,207	5,137	-1.34%
Unmetered Supply	8,693	8,675	-0.20%

7.2. Transmission Cost Recovery

Endeavour Energy's transmission cost recovery (TCR) tariffs are designed to recover transmission related costs, including TransGrid's transmission use of system (TUOS) charges, avoided transmission payments made to embedded generators and adjustments to balance Endeavour Energy's transmission overs and unders account.

Endeavour Energy's transmission related costs are calculated to decrease by 8.12% in 2017-18. The following table provides a breakdown of the drivers of the changes in Endeavour Energy's 2016-17 transmission costs.

Table 7.3 – Change in 2017-18 transmission costs

Transmission Cost	2017-18 Increase
A. Change in transmission related payments (a + b)	**-3.77%**
- Impact of increase in transmission revenues payable to TransGrid (a)	-5.71%
- Impact of increase in avoided TUOS payments to embedded generators (b)	1.94%
B. Change required to balance transmission overs and unders account	**-4.52%**
Total change in transmission costs ((1+A)*(1+B))-1	**-8.12%**

Transmission cost recovery tariff methodology

The key principles of Endeavour Energy's Transmission Cost Recovery Tariff (TCR) Methodology are:

- Total TUOS allocated to network tariffs are aligned with the total estimated transmission charge to be paid by Endeavour Energy[19], adjusted for any overs and unders account balance;

[18] Weighted average revenues have been calculated using forecast 2017-18 volumes.

- Transmission charges are allocated to network tariffs in a manner that reflects the cost drivers present in transmission pricing;
- Customers on an individually calculated tariff have transmission charges allocated in a manner that preserves the location and time signals of transmission pricing in accordance with the principles in Part J of chapter 6A of the *Rules*; and
- Network tariffs for smaller customer classes have transmission charges allocated on an energy basis, as location signals cannot be preserved in all cases due to metering limitations.

Transmission use of system overs and unders account balance

Endeavour Energy has calculated the overs and under account balance for TUOS revenues in accordance with Appendix B of Attachment 14 of the AER's Final Distribution Determination.

The forecast 2017-18 balance of Endeavour Energy's transmission use of system overs and unders account is provided in the table below:

Table 7.4 – Transmission overs and unders account balance ($'000)

	2015-16 Actual ($'000)	2016-17 Expected ($'000)	2017-18 Forecast ($'000)
Revenue from designated pricing proposal charges	**206,884**	**210,918**	**190,644**
Transmission Related Payments			
a) Transmission charges to be paid to TNSP's	210,909	205,296	193,406
b) Avoided TUOS payments	3,081	2,910	6,952
Total transmission related payments (a+b)	**213,990**	**208,206**	**200,359**
Under/over recovery for regulatory year	**-7,106**	**2,712**	**-9,714**
Unders and overs account for designated pricing proposal charges			
Nominal WACC (per cent)	6.68%	6.59%	6.49%
Semi-annual rate of interest	3.29%	3.24%	3.20%
Opening balance	12,696	6,205	9,413
Interest on opening balance	848	409	611
Under/over recovery for financial year	-7,106	2,712	-9,714
Interest on over/under recovery for regulatory year	-234	88	-310
Closing Balance	**6,205**	**9,413**	**0**

[19] Calculated using final transmission pricing received from TransGrid on 15 March 2017.

7 REGULATORY REQUIREMENTS

7.3. Climate Change Fund

On 15 March 2017, the NSW Government provided Endeavour Energy with advice that the Climate Change Fund contribution amount will increase to $88,185,379 in 2017-18. Consistent with NSW Government direction in previous years, Endeavour Energy has assumed that no more than 25% of the Climate Change Fund contribution can be recovered from residential tariffs.

Climate Change Fund Recovery Tariff Setting Methodology

Climate Change Fund recovery tariffs have been in place since 1 July 2005 and are levied on the energy (kWh) based charging parameter of tariffs only. Existing tariffs are annually adjusted such that the weighted average price change for the climate change fund recovery portion of network price is evenly applied to all tariffs to achieve the required annual contribution amount (subject to the 25% cap placed by the NSW Government on residential tariff contributions to the fund).

Endeavour Energy does not recover a contribution to the climate change fund from:

- controlled load tariffs as customers contribute to the fund through their primary tariff; or
- inter-distributor transfer tariffs as customers contribute to the fund through the tariffs offered by the destination distributor.

Climate Change Fund overs and unders account balance

Endeavour Energy has calculated the overs and under account balance for the Climate Change Fund amount in accordance with Appendix C of Attachment 14 of the AER's Final Distribution Determination.

The table below provides the forecast 2017-18 balance of Endeavour Energy's climate change fund overs and unders account.

Table7.5 – Climate Change Fund overs and unders account balance ($'000)

	2015-16 Actual ($'000)	2016-17 Expected ($'000)	2017-18 Forecast ($'000)
Revenue from Climate Change Fund charges	99,316	81,694	84,107
Climate Change Fund payments	94,025	87,334	88,185
Over (under) recovery for financial year	5,290	-5,640	-4,079
Unders and Overs account			
Nominal WACC (per cent)	6.68%	6.59%	6.49%
Semi-annual rate of interest	3.29%	3.24%	3.20%
Opening balance	3,474	9,170	3,952
Interest on opening balance	232	605	257
Under/over recovery for regulatory year	5,290	-5,640	-4,079
Interest on under/over recovery for regulatory year	174	-183	-130
Closing balance	**9,170**	**3,952**	**0**

A1. GLOSSARY

Term	Definition
AEMC	Australian Energy Market Commission
AER	Australian Energy Regulator
AIC	Average incremental cost
ASP	Accredited service provider
BT	Block tariff
CCF	Climate Change Fund
DBT	Declining block tariff
DNSP	Distribution network service provider
DUOS	Distribution Use of System
GWh	Gigawatt hour
HV	High voltage
IBT	Inclining block tariff
kV	Kilovolt
kVA	Kilovolt-ampere
kW	Kilowatt
kWh	Kilowatt hour
LRMC	Long run marginal cost
LV	Low voltage
NEM	National Electricity Market
NER or the Rules	National Electricity Rules
NUOS	Network Use of System
MVA	Megavolt-ampere
MW	Megawatt
MWh	Megawatt hour
SBS	NSW Solar Bonus Scheme
ST	Subtransmission voltage
TCR	Transmission Cost Recovery Tariff
TOU	Time of use
TSS	Tariff structure statement

A2. COMPLIANCE CHECKLIST

This section sets out the relevant Rule requirements and the section in which those requirements have been met within this document.

Rule	Requirement	Relevant Section
Part I: Distribution Pricing Rules		
6.18.2	**Pricing proposals**	
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.	Chapter 5 & Appendix A3
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.	Chapter 3
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 7.1
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 4.5
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 7.2
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 7.3
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	This Pricing Proposal
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	Section 5.2 & Chapter 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	Chapters 5 & 6
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	Appendices A4 & A6

A2. COMPLIANCE CHECKLIST

Rule	Requirement	Relevant Section
	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.	
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.	Appendices A4 & A6
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 4.2 and Attachment B
6.18.5(e)(2)	A lower bound representing the avoidable cost of not serving those retail customers.	Section 4.2 and Attachment B
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 4.3 and Attachment B
6.18.5(f)(1)	The costs and benefits associated with calculating, implementing and applying that method as proposed;	Section 4.3
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 4.3
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 4.3
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 7.1
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 7.1

A2. COMPLIANCE CHECKLIST

Rule	Requirement	Relevant Section
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).	Chapter 4
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:	Chapter 6
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*);	Chapter 6
6.18.5(h)(2)	the extent to which *retail customers* can choose the tariff to which they are assigned; and	Chapters 2 & 3
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.	Chapters 2 & 3

A3. PROPOSED NETWORK TARIFFS

Endeavour Energy's network use of system (NUOS) tariffs represent the aggregation of distribution use of system (DUOS) tariffs, climate change fund (CCF) recovery tariffs and transmission cost recovery (TCR) tariffs. The tariffs are exclusive of GST.

A3. PROPOSED NETWORK TARIFFS

Table A3.1: Proposed 2017-18 Network Pricing (NUOS) - Exclusive of GST

Tariff Type	Fixed ($/day)	Single and TOU Consumption (c/kWh)				Step Consumption (c/kWh)			Demand ($/kVA/mth)	
	Daily	Non-TOU	Peak	Shoulder	Off-peak	Step 1	Step 2	Step 3	High Season	Low Season
Residential Block	0.3360					9.0678	9.0678	9.0678		
Residential Time of Use	0.3864		14.4038	9.4621	5.5699					
General Supply Block	0.4807					8.9532	9.0718			
General Supply Time of Use	0.5532		14.7115	9.6786	5.0457					
Controlled Load 1	0.0277	0.5410								
Controlled Load 2	0.0277	2.6225								
LV TOU Demand	18.7290		3.8715	2.8172	1.2287				10.0320	8.8006
LV TOU Demand Transition	18.7290		15.7393	9.3398	2.1486					
HV TOU Demand	31.3911		2.8330	2.2926	0.9930				8.7646	7.6210
ST TOU Demand	49.3495		2.4257	1.9580	0.9428				7.0441	6.1702
Unmetered Block	0.0000					8.9532	8.9532			
Unmetered Street Lighting	0.0000	8.0195								
Unmetered Traffic Lights	0.0000	8.9532								
Unmetered Night Watch	0.0000	6.2280								

Endeavour Energy

A3. PROPOSED NETWORK TARIFFS

Table A3.2: Proposed 2017-18 Network Pricing (DUOS) - Exclusive of GST

Tariff Type	Fixed ($/day)	Single and TOU Consumption (c/kWh)				Step Consumption (c/kWh)			Demand ($/kVA/mth)	
	Daily	Non-TOU	Peak	Shoulder	Off-peak	Step 1	Step 2	Step 3	High Season	Low Season
Residential Block	0.3360					7.3868	7.3868	7.3868		
Residential Time of Use	0.3864		12.7228	7.7811	3.8889					
General Supply Block	0.4807					6.6280	6.7466			
General Supply Time of Use	0.5532		12.3863	7.3534	2.7205					
Controlled Load 1	0.0277	0.0656								
Controlled Load 2	0.0277	1.7904								
LV TOU Demand	18.7290		1.6489	0.5946	0.1234				8.9233	7.6919
LV TOU Demand Transition	18.7290		13.1802	6.7807	0.6830					
HV TOU Demand	31.3911		0.8973	0.3569	0.0900				7.5239	6.3803
ST TOU Demand	49.3495		0.7761	0.3084	0.0674				6.0269	5.1530
Unmetered Block	0.0000					6.6280	6.6280			
Unmetered Street Lighting	0.0000	6.0999								
Unmetered Traffic Lights	0.0000	6.6280								
Unmetered Night Watch	0.0000	4.3084								

A3. PROPOSED NETWORK TARIFFS

Table A3.3 Proposed 2017-18 Network Pricing (TCR) - Exclusive of GST

Tariff Type	Fixed ($/day)	Single and TOU Consumption (c/kWh)				Step Consumption (c/kWh)			Demand ($/kVA/mth)	
	Daily	Non-TOU	Peak	Shoulder	Off-peak	Step 1	Step 2	Step 3	High Season	Low Season
Residential Block	0.0000					1.2377	1.2377	1.2377		
Residential Time of Use	0.0000		1.2377	1.2377	1.2377					
General Supply Block	0.0000					1.2377	1.2377			
General Supply Time of Use	0.0000		1.2377	1.2377	1.2377					
Controlled Load 1	0.0000	0.4754								
Controlled Load 2	0.0000	0.8321								
LV TOU Demand	0.0000		1.3262	1.3262	0.5580				1.1087	1.1087
LV TOU Demand Transition	0.0000		1.7104	1.7104	0.9423					
HV TOU Demand	0.0000		1.2724	1.2724	0.4992				1.2407	1.2407
ST TOU Demand	0.0000		1.1470	1.1470	0.5714				1.0172	1.0172
Unmetered Block	0.0000					1.2377	1.2377			
Unmetered Street Lighting	0.0000	0.8321								
Unmetered Traffic Lights	0.0000	1.2377								
Unmetered Night Watch	0.0000	0.8321								

A3. PROPOSED NETWORK TARIFFS

Table A3.4 Proposed 2017-18 Network Pricing (CCF) - Exclusive of GST

Tariff Type	Fixed ($/day)	Single and TOU Consumption (c/kWh)				Step Consumption (c/kWh)			Demand ($/kVA/mth)	
	Daily	Non-TOU	Peak	Shoulder	Off-peak	Step 1	Step 2	Step 3	High Season	Low Season
Residential Block	0.0000					0.4433	0.4433	0.4433		
Residential Time of Use	0.0000		0.4433	0.4433	0.4433					
General Supply Block	0.0000					1.0875	1.0875			
General Supply Time of Use	0.0000		1.0875	1.0875	1.0875					
Controlled Load 1	0.0000	0.0000								
Controlled Load 2	0.0000	0.0000								
LV TOU Demand	0.0000		0.8964	0.8964	0.5473				0.0000	0.0000
LV TOU Demand Transition	0.0000		0.8487	0.8487	0.5233					
HV TOU Demand	0.0000		0.6633	0.6633	0.4038				0.0000	0.0000
ST TOU Demand	0.0000		0.5026	0.5026	0.3040				0.0000	0.0000
Unmetered Block	0.0000					1.0875	1.0875			
Unmetered Street Lighting	0.0000	1.0875								
Unmetered Traffic Lights	0.0000	1.0875								
Unmetered Night Watch	0.0000	1.0875								

A3. PROPOSED NETWORK TARIFFS

Table A3.5: Tariff Codes relating to Tariff Type

Tariff Type	Tariff Codes
Residential Block	N70 , NS70 , NG70 , NFTG , NFTH , NFT9 , NFT0
Residential Time of Use	N705 , N706 , NS75 , NG75 , NS76 , NG76 , NFTP , NFTQ , NFT7 , NFT8
General Supply Block	N90 , NS90 , NG90 , NFTJ , NFTK , NFTA , NFTB
General Supply Time of Use	N84 , N845 , NS84 , NG84 , NS85 , NG85 , NFTL , NFTM , NFT5 , NFT6
Controlled Load 1	N50
Controlled Load 2	N54
LV TOU Demand	N19 , NS19
LV TOU Demand Transition	N89 , NS89
HV TOU Demand	N29 , NS29
ST TOU Demand	N39 , NS39
Unmetered Block	N99
Unmetered Street Lighting	ENSL
Unmetered Traffic Lights	ENTL
Unmetered Night Watch	ENNW
Residential Block + Controlled Load 1	NC01 , NFTC
Residential Block + Controlled Load 2	NC02 , NFTD
General Supply Block + Controlled Load 1	NC03 , NFTE
General Supply Block + Controlled Load 2	NC04 , NFTF

Some of the above tariffs codes include generated energy (credit) rate components[20] in addition to the charging parameters. Endeavour Energy may need to introduce new tariff codes for billing purposes. Any new tariff codes introduced will comply with the tariff structures outlined in our Tariff Structure Statement and the price level for NUOS services will equate to the tariff type under which the new tariff code has been created.

[20] This tariff component is in place solely to ensure that a customer's generation is measured and forwarded to the retailer for their billing purposes. The network "credit" is zero.

A4. INDICATIVE PRICE LIST FOR STANDARD CONTROL SERVICES

Our placeholder charges for 2018-19 have been calculated using a forecast CPI increase of 2.5% applied to our 2017-18 distribution revenue target as a base starting position. The actual level of our charges will depend on any adjustments to the AER's final decision made by the Australian Competition Tribunal, any future pass-through amounts, changes in service performance rewards and/or penalties, changes in inflation, changes in transmission costs and changes in jurisdictional scheme costs, including Climate Change Fund costs.

The table below set out our indicative prices for our standard control services for 2018-19.

A4. INDICATIVE PRICE LIST FOR STANDARD CONTROL SERVICES

Table A4.1: 2018-19 Indicative Network Pricing (NUOS) - Exclusive of GST

Tariff Type	Fixed ($/day)	Single and TOU Consumption (c/kWh)				Step Consumption (c/kWh)			Demand ($/kVA/mth)	
	Daily	Non-TOU	Peak	Shoulder	Off-peak	Step 1	Step 2	Step 3	High Season	Low Season
Residential Block	0.35					9.32	9.32	9.32		
Residential Time of Use	0.39		14.52	9.61	6.06					
General Supply Block	0.50					9.28	9.95			
General Supply Time of Use	0.55		14.81	9.83	5.62					
Controlled Load 1	0.03	0.61								
Controlled Load 2	0.03	2.77								
LV TOU Demand	19.00		4.12	3.06	1.35				10.33	9.08
LV TOU Demand Transition	19.00		16.83	10.04	2.38				0.00	0.00
HV TOU Demand	32.96		2.98	2.48	1.09				9.14	7.97
ST TOU Demand	51.81		2.56	2.13	1.05				7.35	6.45
Unmetered Block	0.00					9.28	9.28			
Unmetered Street Lighting	0.00	8.15								
Unmetered Traffic Lights	0.00	9.28								
Unmetered Night Watch	0.00	6.61								

A4. INDICATIVE PRICE LIST FOR STANDARD CONTROL SERVICES

Table A4.2: 2018-19 Indicative Distribution Network Pricing (DUOS) - Exclusive of GST

Tariff Type	Fixed ($/day)	Single and TOU Consumption (c/kWh)				Step Consumption (c/kWh)			Demand ($/kVA/mth)	
	Daily	Non-TOU	Peak	Shoulder	Off-peak	Step 1	Step 2	Step 3	High Season	Low Season
Residential Block	0.35					7.44	7.44	7.44		
Residential Time of Use	0.39		12.63	7.73	4.18					
General Supply Block	0.50					6.72	7.39			
General Supply Time of Use	0.55		12.25	7.27	3.06					
Controlled Load 1	0.03	0.07								
Controlled Load 2	0.03	1.82								
LV TOU Demand	19.00		1.66	0.60	0.14				9.06	7.81
LV TOU Demand Transition	19.00		13.97	7.19	0.75					
HV TOU Demand	32.96		0.82	0.33	0.10				7.71	6.54
ST TOU Demand	51.81		0.71	0.28	0.07				6.18	5.28
Unmetered Block	0.00					6.72	6.72			
Unmetered Street Lighting	0.00	6.06								
Unmetered Traffic Lights	0.00	6.72								
Unmetered Night Watch	0.00	4.52								

A4. INDICATIVE PRICE LIST FOR STANDARD CONTROL SERVICES

Table A4.3: Tariff Codes relating to Tariff Type

Tariff Type	Tariff Codes
Residential Block	N70 , NS70 , NG70 , NFTG , NFTH , NFT9 , NFT0
Residential Time of Use	N705 , N706 , NS75 , NG75 , NS76 , NG76 , NFTP , NFTQ , NFT7 , NFT8
General Supply Block	N90 , NS90 , NG90 , NFTJ , NFTK , NFTA , NFTB
General Supply Time of Use	N84 , N845 , NS84 , NG84 , NS85 , NG85 , NFTL , NFTM , NFT5 , NFT6
Controlled Load 1	N50
Controlled Load 2	N54
LV TOU Demand	N19 , NS19
LV TOU Demand Transition	N89 , NS89
HV TOU Demand	N29 , NS29
ST TOU Demand	N39 , NS39
Unmetered Block	N99
Unmetered Street Lighting	ENSL
Unmetered Traffic Lights	ENTL
Unmetered Night Watch	ENNW
Residential Block + Controlled Load 1	NC01 , NFTC
Residential Block + Controlled Load 2	NC02 , NFTD
General Supply Block + Controlled Load 1	NC03 , NFTE
General Supply Block + Controlled Load 2	NC04 , NFTF

Some of the above tariffs codes include generated energy (credit) rate components[21] in addition to the charging parameters. Endeavour Energy may need to introduce new tariff codes for billing purposes. Any new tariff codes introduced will comply with the tariff structures outlined in our Tariff Structure Statement and the price level for NUOS services will equate to the tariff type under which the new tariff code has been created.

[21] This tariff component is in place solely to ensure that a customer's generation is measured and forwarded to the retailer for their billing purposes. The network "credit" is zero.

A5. PROPOSED ACS FEES AND CHARGES

The tables below set out our proposed 2017-18 prices for our alternative control services.

- Ancillary Network Service (ANS) charges;
- Metering service charges;
- Metering upfront capital charges;
- Public lighting prices (Class 1 & 2); and
- Public lighting prices (Class 3 & 4)

Ancillary Network Service (ANS) charges

The proposed ancillary network service charges for 2017-18 are as follows:

Table A5.1: Ancillary network service charges

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
Site Establishment Fee	Site Establishment	Per NMI	Fee	$39.03
Off Peak Conversions	Off Peak Conversions	Per Job	Fee	$121.29
Rectification Works	Fitting of Tiger Tails (Labour)	Per Hour	Quote	$145.55
	Fitting of Tiger Tails (Material) - Weekly Hire	Per Tiger Tail	Quote	$5.26
	High Load Escorts - Per Hour	Per Hour	Quote	$145.55
	Rectification of illegal connections	Per Job	Fee	$582.17
	Provision of service crew / additional crew (Additional person per crew)	Per Hour	Quote	$145.55
Meter Test Fee	Meter Test Fee - Per Request	Per Job	Fee	$436.62
Reconnections/ Disconnections	Disconnections (Meter Box) - Includes Reconnection	Per Disco	Fee	$180.23
	Disconnections (Meter Load Tail) - Includes Reconnection	Per Disco	Fee	$275.08
	Disconnections (Site Visit)	Per Visit	Fee	$59.86
	Reconnections (Site Visit)	Per Visit	Fee	$59.86
	Reconnections outside normal business hours	Per Reco	Fee	$67.59
	Disconnections (Pole Top / Pillar Box) - Includes Reconnection	Per Disco	Fee	$454.64
	Disconnections at Pole Top / Pillar Box - Site Visit	Per Visit	Fee	$207.49
Special Meter Reads	Special Meter Reads	Per Job	Fee	$36.38
	Special Meter Reads – Site Visit	Per Job	Fee	$36.38
Move In / Move Out Meter Reads	Move In Meter Reads	Per Job	Fee	$36.38
	Move Out Meter Reads	Per Job	Fee	$36.38
Administration Fee	Subdivision - URD - Underground - Number of lots - 1-5	Per Job	Fee	$387.51

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
	Subdivision - URD - Underground - Number of lots - 6-10	Per Job	Fee	$484.38
	Subdivision - URD - Underground - Number of lots - 11- 40	Per Job	Fee	$678.14
	Subdivision - URD - Underground - Number of lots - 41 +	Per Job	Fee	$775.02
	Subdivision - Non Urban - Underground - Number of lots - 1-5	Per Job	Fee	$290.63
	Subdivision - Non Urban - Underground - Number of lots - 6-10	Per Job	Fee	$387.51
	Subdivision - Non Urban - Underground - Number of lots - 11-40	Per Job	Fee	$484.38
	Subdivision - Non Urban - Underground - Number of lots - 41 +	Per Job	Fee	$581.26
	Subdivision - Non Urban - Overhead - Number of poles - 1-5	Per Job	Fee	$387.51
	Subdivision - Non Urban - Overhead - Number of poles - 6-10	Per Job	Fee	$484.38
	Subdivision - Non Urban - Overhead - Number of poles - 11 +	Per Job	Fee	$871.89
	Subdivision - Industrial / Commercial - Per Hour	Per Hour	Quote	$96.87
	Connection of Load - URD - Per Hour	Per Hour	Quote	$96.87
	Connection of Load - Industrial / Commercial - Per Hour	Per Hour	Quote	$96.87
	Connection of Load - Non Urban - Underground - Per Hour	Per Hour	Quote	$96.87
	Connection of Load - Non Urban - Overhead - Number of poles - 1-5	Per Job	Fee	$387.51
	Connection of Load - Non Urban - Overhead - Number of poles - 6-10	Per Job	Fee	$581.26
	Connection of Load - Non Urban - Overhead - Number of poles - 11 +	Per Job	Fee	$775.02
	Asset Relocation - Per Hour	Per Hour	Quote	$96.87
	Public Lighting - Per Hour	Per Hour	Quote	$96.87
Design Information Fee	Subdivision - URD - Underground - Number of lots - 1-5	Per Job	Fee	$466.04
	Subdivision - URD - Underground - Number of lots - 6-10	Per Job	Fee	$621.38
	Subdivision - URD - Underground - Number of lots - 11-40	Per Job	Fee	$1,087.40
	Subdivision - URD - Underground - Number of lots - 41 +	Per Job	Fee	$1,398.09
	Subdivision - Non Urban - Per Hour	Per Hour	Quote	$155.35

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
	Subdivision - Industrial / Commercial - Per Hour	Per Hour	Quote	$155.35
	Connection of Load - Industrial / Commercial - <= 200A/Phase (LV)	Per Hour	Quote	$155.35
	Connection of Load - Industrial / Commercial - <= 700A/Phase (LV)	Per Hour	Quote	$155.35
	Connection of Load - Industrial / Commercial - > 700A/Phase (LV)	Per Hour	Quote	$155.35
	Connection of Load - Industrial / Commercial - HV Customer	Per Hour	Quote	$155.35
	Connection of Load - Industrial / Commercial - Transmission	Per Hour	Quote	$155.35
	Connection of Load - Multi-Dwelling - <= 5 units	Per Hour	Quote	$155.35
	Connection of Load - Multi-Dwelling - <= 20 units	Per Hour	Quote	$155.35
	Connection of Load - Multi-Dwelling - <= 40 units	Per Hour	Quote	$155.35
	Connection of Load - Multi-Dwelling - > 40 units	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - I&C - <= 200A/Phase (LV)	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - I&C - <= 700A/Phase (LV)	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - I&C - > 700A/Phase (LV)	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - I&C - HV Customer	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - I&C - Transmission	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Multi-Dwelling - <= 5 units	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Multi-Dwelling - <= 20 units	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Multi-Dwelling - <= 40 units	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Multi-Dwelling - > 40 units	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Single Residential - Per Hour	Per Hour	Quote	$155.35
	Asset Relocation - Engineer - Per Hour	Per Hour	Quote	$155.35
	Asset Relocation - Designer - Per Hour	Per Hour	Quote	$155.35
	Public Lighting - Engineer - Per Hour	Per Hour	Quote	$155.35
	Public Lighting - Designer - Per Hour	Per Hour	Quote	$155.35

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
Design Certification Fee	Subdivision - URD - Underground - Number of lots - 1-5	Per Job	Fee	$310.69
	Subdivision - URD - Underground - Number of lots - 6-10	Per Job	Fee	$466.04
	Subdivision - URD - Underground - Number of lots - 11-40	Per Job	Fee	$776.71
	Subdivision - URD - Underground - Number of lots - 41 +	Per Job	Fee	$932.05
	Subdivision - Non Urban - Underground - Number of lots - 1-5	Per Job	Fee	$155.35
	Subdivision - Non Urban - Underground - Number of lots - 6-10	Per Job	Fee	$466.04
	Subdivision - Non Urban - Underground - Number of lots - 11-40	Per Job	Fee	$621.38
	Subdivision - Non Urban - Underground - Number of lots - 41 +	Per Job	Fee	$621.38
	Subdivision - Non Urban - Overhead - Number of poles - 1-5	Per Job	Fee	$310.69
	Subdivision - Non Urban - Overhead - Number of poles - 6-10	Per Job	Fee	$466.04
	Subdivision - Non Urban - Overhead - Number of poles - 11 +	Per Job	Fee	$776.71
	Subdivision - Industrial / Commercial - Underground - Number of lots - 1-10	Per Job	Fee	$466.04
	Subdivision - Industrial / Commercial - Underground - Number of lots - 11-40	Per Job	Fee	$621.38
	Subdivision - Industrial / Commercial - Underground - Number of lots - 41 +	Per Job	Fee	$932.05
	Subdivision - Industrial / Commercial - Overhead - Number of poles - 1-5	Per Job	Fee	$310.69
	Subdivision - Industrial / Commercial - Overhead - Number of poles - 6-10	Per Job	Fee	$466.04
	Subdivision - Industrial / Commercial - Overhead - Number of poles - 11 +	Per Job	Fee	$776.71
	Connection of Load - Industrial / Commercial - <= 200A/Phase (LV)	Per Hour	Quote	$155.35
	Connection of Load - Industrial / Commercial - <= 700A/Phase (LV)	Per Hour	Quote	$155.35
	Connection of Load - Industrial / Commercial - > 700A/Phase (LV)	Per Hour	Quote	$155.35
	Connection of Load - Industrial / Commercial - HV Customer	Per Hour	Quote	$155.35
	Connection of Load - Industrial / Commercial - Transmission	Per Hour	Quote	$155.35
	Connection of Load - Multi-Dwelling - <= 5 units	Per Hour	Quote	$155.35
	Connection of Load - Multi-Dwelling - <= 20 units	Per Hour	Quote	$155.35
	Connection of Load - Multi-Dwelling - <= 40 units	Per Hour	Quote	$155.35

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
	Connection of Load - Multi-Dwelling - > 40 units	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Underground - Per Hour	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Underground - Number of poles - 1-5	Per Job	Fee	$310.69
	Connection of Load - Non Urban - Underground - Number of poles - 6-10	Per Job	Fee	$466.04
	Connection of Load - Non Urban - Underground - Number of poles - 11 +	Per Job	Fee	$776.71
	Connection of Load - Indoor Substation - Per Hour	Per Hour	Quote	$155.35
	Asset Relocation - Engineer - Per Hour	Per Hour	Quote	$155.35
	Asset Relocation - Designer - Per Hour	Per Hour	Quote	$155.35
	Public Lighting - Engineer - Per Hour	Per Hour	Quote	$155.35
	Public Lighting - Designer - Per Hour	Per Hour	Quote	$155.35
Design Re-certification Fee	Subdivision - Industrial & Commercial - Per Hour	Per Hour	Quote	$155.35
	Subdivision - Non Urban - Per Hour	Per Hour	Quote	$155.35
	Subdivision - URD - Per Hour	Per Hour	Quote	$155.35
	Connection of Load - Industrial & Commercial - Per Hour	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Per Hour	Per Hour	Quote	$155.35
	Connection of Load - URD - Per Hour	Per Hour	Quote	$155.35
	Other - Asset Relocation - Engineer - Per Hour	Per Hour	Quote	$155.35
	Other - Asset Relocation - Designer - Per Hour	Per Hour	Quote	$155.35
	Other - Public Lighting - Engineer - Per Hour	Per Hour	Quote	$155.35
	Other - Public Lighting - Designer - Per Hour	Per Hour	Quote	$155.35
Notification of Arrangement	Subdivision - Industrial & Commercial - Per Request	Per Job	Fee	$193.76
	Subdivision - Non Urban - Per Request	Per Job	Fee	$193.76
	Subdivision - URD - Per Request	Per Job	Fee	$193.76

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
	Subdivision - Industrial & Commercial - per hour for early notification of arrangement	Per Hour	Quote	$96.87
	Subdivision - Non Urban - per hour for early notification of arrangement	Per Hour	Quote	$96.87
	Subdivision - URD - per hour for early notification of arrangement	Per Hour	Quote	$96.87
Compliance Certificate	Connection of Load - Industrial & Commercial - Per Request	Per Job	Fee	$193.76
	Connection of Load - Non Urban - Per Request	Per Job	Fee	$290.63
	Connection of Load - URD - Per Request	Per Job	Fee	$193.76
	Connection of Load - Industrial & Commercial - per hour for early compliance certificate	Per Hour	Quote	$96.87
	Connection of Load - Non Urban - per hour for early compliance certificate	Per Hour	Quote	$96.87
	Connection of Load - URD - per hour for early compliance certificate	Per Hour	Quote	$96.87
Inspection Fee	Subdivision - URD - Underground - Per Lot (1 - 10) - Grade A	Per Job	Fee	$77.67
	Subdivision - URD - Underground - Per Lot (11 - 50) - Grade A	Per Job	Fee	$46.59
	Subdivision - URD - Underground - Per Lot (51 +) - Grade A	Per Job	Fee	$15.52
	Subdivision - URD - Underground - Per Lot (1 - 10) - Grade B	Per Job	Fee	$178.64
	Subdivision - URD - Underground - Per Lot (11 - 50) - Grade B	Per Job	Fee	$108.74
	Subdivision - URD - Underground - Per Lot (51 +) - Grade B	Per Job	Fee	$62.14
	Subdivision - URD - Underground - Per Lot (1 - 10) - Grade C	Per Job	Fee	$388.37
	Subdivision - URD - Underground - Per Lot (11 - 50) - Grade C	Per Job	Fee	$217.48
	Subdivision - URD - Underground - Per Lot (51 +) - Grade C	Per Job	Fee	$100.98
	Subdivision - URD - Underground - Per hour	Per Hour	Quote	$155.35
	Subdivision - Non Urban - Underground - Per Lot (1 - 10) - Grade A	Per Job	Fee	$77.67
	Subdivision - Non Urban - Underground - Per Lot (11 - 50) - Grade A	Per Job	Fee	$46.59
	Subdivision - Non Urban - Underground - Per Lot (51+) - Grade A	Per Job	Fee	$15.52
	Subdivision - Non Urban - Underground - Per Lot (1 - 10) - Grade B	Per Job	Fee	$186.42
	Subdivision - Non Urban - Underground - Per Lot (11 - 50) - Grade B	Per Job	Fee	$100.98
	Subdivision - Non Urban - Underground - Per Lot (51+) - Grade B	Per Job	Fee	$62.14
	Subdivision - Non Urban - Underground - Per Lot (1 - 10) - Grade C	Per Job	Fee	$396.13

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
	Subdivision - Non Urban - Underground - Per Lot (11 - 50) - Grade C	Per Job	Fee	$233.02
	Subdivision - Non Urban - Underground - Per Lot (51+) - Grade C	Per Job	Fee	$108.74
	Subdivision - Non Urban - Overhead - Per Pole (1 - 5) - Grade A	Per Job	Fee	$93.21
	Subdivision - Non Urban - Overhead - Per Pole (6 - 10) - Grade A	Per Job	Fee	$77.67
	Subdivision - Non Urban - Overhead - Per Pole (11 +) - Grade A	Per Job	Fee	$62.14
	Subdivision - Non Urban - Overhead - Per Pole Sub - Grade A	Per Job	Fee	$528.17
	Subdivision - Non Urban - Overhead - Per Pole (1 - 5) - Grade B	Per Job	Fee	$186.42
	Subdivision - Non Urban - Overhead - Per Pole (6 - 10) - Grade B	Per Job	Fee	$155.35
	Subdivision - Non Urban - Overhead - Per Pole (11 +) - Grade B	Per Job	Fee	$100.98
	Subdivision - Non Urban - Overhead - Per Pole Sub - Grade B	Per Job	Fee	$1,087.41
	Subdivision - Non Urban - Overhead - Per Pole (1 - 5) - Grade C	Per Job	Fee	$310.69
	Subdivision - Non Urban - Overhead - Per Pole (6 - 10) - Grade C	Per Job	Fee	$287.39
	Subdivision - Non Urban - Overhead - Per Pole (11 +) - Grade C	Per Job	Fee	$217.48
	Subdivision - Non Urban - Overhead - Per Pole Sub - Grade C	Per Job	Fee	$1,320.44
	Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade A	Per Job	Fee	$93.21
	Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade A	Per Job	Fee	$77.67
	Subdivision - Industrial & Commercial - Overhead - Per Pole (11 +) - Grade A	Per Job	Fee	$62.14
	Subdivision - Industrial & Commercial - Overhead - Per Pole Sub - Grade A	Per Job	Fee	$543.72
	Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade B	Per Job	Fee	$170.87
	Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade B	Per Job	Fee	$155.35
	Subdivision - Industrial & Commercial - Overhead - Per Pole (11 +) - Grade B	Per Job	Fee	$108.74
	Subdivision - Industrial & Commercial - Overhead - Per Pole Sub - Grade B	Per Job	Fee	$1,087.41
	Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade C	Per Job	Fee	$341.76
	Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade C	Per Job	Fee	$309.14
	Subdivision - Industrial & Commercial - Overhead - Per Pole (11 +) - Grade C	Per Job	Fee	$233.02
	Subdivision - Industrial & Commercial - Overhead - Per Pole Sub - Grade C	Per Job	Fee	$1,367.03

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
	Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10) - Grade A	Per Job	Fee	$77.67
	Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50) - Grade A	Per Job	Fee	$77.67
	Subdivision - Industrial & Commercial - Underground - Per Lot (51+) - Grade A	Per Job	Fee	$77.67
	Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10) - Grade B	Per Job	Fee	$186.42
	Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50) - Grade B	Per Job	Fee	$186.42
	Subdivision - Industrial & Commercial - Underground - Per Lot (51+) - Grade B	Per Job	Fee	$186.42
	Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10) - Grade C	Per Job	Fee	$388.37
	Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50) - Grade C	Per Job	Fee	$388.37
	Subdivision - Industrial & Commercial - Underground - Per Lot (51+) - Grade C	Per Job	Fee	$388.37
	Connection of Load - URD - Underground - Inspector - Per hour	Per Hour	Quote	$155.35
	Connection of Load - URD - Underground - Engineer - Per hour	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Underground - Inspector - Per hour	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Underground - Engineer - Per hour	Per Hour	Quote	$155.35
	Connection of Load - Non Urban - Overhead - Per Pole (1 - 5) - Grade A	Per Job	Fee	$93.21
	Connection of Load - Non Urban - Overhead - Per Pole (1 - 5) - Grade B	Per Job	Fee	$186.42
	Connection of Load - Non Urban - Overhead - Per Pole (1 - 5) - Grade C	Per Job	Fee	$341.76
	Connection of Load - Non Urban - Overhead - Per Pole (6 - 10) - Grade A	Per Job	Fee	$77.67
	Connection of Load - Non Urban - Overhead - Per Pole (6 - 10) - Grade B	Per Job	Fee	$155.35
	Connection of Load - Non Urban - Overhead - Per Pole (6 - 10) - Grade C	Per Job	Fee	$309.14
	Connection of Load - Non Urban - Overhead - Per Pole (11 +) - Grade A	Per Job	Fee	$62.14
	Connection of Load - Non Urban - Overhead - Per Pole (11 +) - Grade B	Per Job	Fee	$108.74
	Connection of Load - Non Urban - Overhead - Per Pole (11 +) - Grade C	Per Job	Fee	$233.02
	Connection of Load - Non Urban - Overhead - Per Pole Sub - Grade A	Per Job	Fee	$528.17
	Connection of Load - Non Urban - Overhead - Per Pole Sub - Grade B	Per Job	Fee	$1,087.41
	Connection of Load - Non Urban - Overhead - Per Pole Sub - Grade C	Per Job	Fee	$1,320.44

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
	Connection of Load - Industrial & Commercial - Underground - Inspector - Per hour	Per Hour	Quote	$155.35
	Connection of Load - Industrial & Commercial - Underground - Engineer - Per hour	Per Hour	Quote	$155.35
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade A	Per Job	Fee	$93.21
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade B	Per Job	Fee	$178.64
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade C	Per Job	Fee	$341.76
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade A	Per Job	Fee	$77.67
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade B	Per Job	Fee	$155.35
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade C	Per Job	Fee	$309.14
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+) - Grade A	Per Job	Fee	$62.14
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+) - Grade B	Per Job	Fee	$108.74
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+) - Grade C	Per Job	Fee	$233.02
	Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub - Grade A	Per Job	Fee	$543.72
	Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub - Grade B	Per Job	Fee	$1,087.41
	Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub - Grade C	Per Job	Fee	$1,367.03
	Asset Relocation - Underground - Inspector - Per hour	Per Hour	Quote	$155.35
	Asset Relocation - Underground - Engineer - Per hour	Per Hour	Quote	$155.35
	Public Lighting - Underground - Inspector - Per hour	Per Hour	Quote	$155.35
	Public Lighting - Underground - Engineer - Per hour	Per Hour	Quote	$155.35
Inspection of works outside normal working hours	Administration Fee			$51.79
	Overtime Hours Rate			$77.68
	Access Permits			$2,586.52
Reinspection Fee (Level 1 & Level 2 work)	Reinspection Fee (Level 1 & Level 2 work)	Per Hour	Quote	$155.35
Inspection of service work (Level 2 work)	Per NOSW - A Grade	Per NOSW	Fee	$54.37
	Per NOSW - B Grade	Per NOSW	Fee	$93.21
	Per NOSW - C Grade	Per NOSW	Fee	$310.69

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
Provision of Access Fee (Standby)	Normal Time - 1 x Visit - Open / Close - 1 hour - Per Job	Per Job	Fee	$155.62
	Normal Time - 1 x Visit - Open / Isolate & CSO to close - 1 hour - Per Job	Per Job	Fee	$321.71
	Normal Time - 2 x Visit - Open / Close & no isolation - 2 hours - Per Job	Per Job	Fee	$311.24
	Normal Time - 2 x Visit - Open / Isolate / Close - 2 hours - Per Job	Per Job	Fee	$643.43
	Overtime - 1 x Visit - Open / Close - 1 hour - Per Job	Per Job	Fee	$272.32
	Overtime - 1 x Visit - Open / Isolate & CSO to close - 1 hour - Per Job	Per Job	Fee	$563.00
	Overtime - 2 x Visit - Open / Close & no isolation - 2 hours - Per Job	Per Job	Fee	$544.66
	Overtime - 2 x Visit - Open / Isolate / Close - 2 hours - Per Job	Per Job	Fee	$1,126.00
Access Permits	Subdivision - URD - Per Lot	Per Lot	Fee	$59.73
	All Other - Industrial & Commercial	Per AA or ATW	Fee	$2,586.52
	All Other - Non Urban	Per AA or ATW	Fee	$2,586.52
	All Other - URD	Per AA or ATW	Fee	$2,586.52
	All Other - Asset Relocation	Per AA or ATW	Fee	$2,586.52
	All Other - Public Lighting	Per AA or ATW	Fee	$2,586.52
Substation Commission Fee	Subdivision - URD - Per Lot	Per Lot	Fee	$62.58
	All Other - Industrial & Commercial - Per Substation	Per Substation	Fee	$1,814.84
	All Other - Non Urban - Per Substation	Per Substation	Fee	$1,814.84
	All Other - URD - Per Substation	Per Substation	Fee	$1,814.84
	All Other - Asset Relocation - Per Substation	Per Substation	Fee	$1,814.84
	All Other - Public Lighting - Per Substation	Per Substation	Fee	$1,814.84
Excluded Distribution Services	Cost of excluded distribution services for interruption avoidance measures for contestable work planned electricity supply interruptions			
	Install & remove HV live line links - One set	Per Job	Fee	$4,495.69
	Install & remove HV live line links - Each additional set	Per Job	Fee	$2,877.07
	Break & remake HV bonds - One set	Per Job	Fee	$3,485.99
	Break & remake HV bonds - Each additional set	Per Job	Fee	$1,927.31
	Break & remake LV bonds - One set	Per Job	Fee	$2,154.88

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
	Break & remake LV bonds - Each additional set	Per Job	Fee	$1,013.60
	Install & remove LV live line links - One set	Per Job	Fee	$2,127.37
	Install & remove LV live line links - Each additional set	Per Job	Fee	$986.08
	Connect & disconnect generator to LV OH mains - One generator	Per Job	Fee	$2,074.98
	Connect & disconnect generator to LV OH mains - Each additional generator	Per Job	Fee	$933.69
	Connect & disconnect generator to a padmount / indoor substation - One generator	Per Job	Fee	$2,074.98
	Connect & disconnect generator to a padmount / indoor substation - Each additional gen	Per Job	Fee	$933.69
	Cost of excluded distribution services to terminate cable at zone substations and first joint out from the zone substation			
	Zone substation access and supervision for installation of cable(s) for one feeder	Per Job	Fee	$3,330.38
	Protection setting	Per Job	Fee	$4,334.43
	Testing cable prior to commissioning	Per Job	Fee	$4,920.40
	11kV Zone substation circuit breaker cable termination	Per Job	Fee	$3,909.32
	22kV Zone substation circuit breaker cable termination	Per Job	Fee	$4,045.05
	11kV Padmount/Indoor substation cable termination	Per Job	Fee	$4,217.87
	22kV Padmount/Indoor substation cable termination	Per Job	Fee	$5,062.33
	11kV Pole top termination (UGOH) and bonding to OH	Per Job	Fee	$4,951.14
	22kV Pole top termination (UGOH) and bonding to OH	Per Job	Fee	$5,515.43
	11kV Straight through joint	Per Job	Fee	$4,155.98
	22kV Straight through joint	Per Job	Fee	$4,328.20
	Traffic Control			
	Traffic Management to install & remove, break & remake, connect & disconnect excluded distribution services	Per Job	Fee	$4,058.84
	Traffic Management to test, terminate and joint excluded distribution services	Per Job	Fee	$3,721.08
Authorisation	Authorisation - Renewal	Per Authorisation	Fee	$409.16
	Authorisation - New	Per Authorisation	Fee	$455.84

A5. PROPOSED ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2017-18 (ex GST)
Conveyancing Information	Supply of conveyancing information	Per Inquiry	Fee	$64.47
Planning Studies	Carrying out planning studies and analysis relating to distribution (including sub transmission and dual function assets) connection applications - (Simple Jobs)	Per Hour	Quote	$193.10
	Carrying out planning studies and analysis relating to distribution (including sub transmission and dual function assets) connection applications - (Complex Jobs)	Per Hour	Quote	$229.48
Connection Offer Service	Connection Offer Service (Basic)	Per Job	Fee	$25.90
	Connection Offer Service (Standard)	Per Job	Fee	$249.15
Customer Interface co-ordination	Customer Interface co-ordination for contestable works	Per Hour	Quote	$193.10
Investigation, review & implementation of remedial actions associated with ASP's connection work	Investigation, review & implementation of remedial actions associated with ASP's connection work	Per Hour	Quote	$155.35
Preliminary Enquiry Service	Preliminary Enquiry Service (Simple Jobs)	Per Hour	Quote	$96.87
	Preliminary Enquiry Service (Complex Jobs)	Per Hour	Quote	$229.48
Services involved in obtaining deeds of agreement	Services involved in obtaining deeds of agreement in relation to property rights associated with contestable connections work	Per Hour	Quote	$155.35
Clearance to Work	Clearance to Work	Per Job	Fee	$2,155.41
Recovery of debt collection costs	Recovery of debt collection costs - dishonoured transactions	Per Job	Fee	$17.43
Type 5-7 Non Standard Meter data Services	Type 5-7 Non Standard Meter data Services	Per Job	Fee	$17.27
Franchise CT Meter Install	Franchise CT Meter Install	Per Job	Fee	$544.66
ROLR	Services provided in relation to a Retailer of Last Resort (ROLR) event	Per Job	Quote	Quote Basis

Classification	**Driver**	**2017-18 (ex GST)**
Admin	Per Hour	$96.87
Technical specialist	Per Hour	$155.35
EO 7/Engineer	Per Hour	$193.10
Field worker R4	Per Hour	$145.55
Senior Engineer	Per Hour	$229.48

A5. PROPOSED ACS FEES AND CHARGES

Metering Service Charges

The proposed annual metering service charges for 2017-18 are as follows:

Table A5.2: Metering service charges

Tariff Class	Costs	2017-18 excluding GST
Residential anytime	Non–capital	$14.35
	Capital	$1.56
Residential TOU – Type 6 meter	Non–capital	$31.30
	Capital	$1.56
Residential TOU - Type 5 meter	Non–capital	$131.25
	Capital	$1.56
Small business anytime	Non–capital	$21.76
	Capital	$1.56
Small business TOU - Type 6 meter	Non–capital	$53.50
	Capital	$1.56
Small business TOU – Type 5 meter	Non–capital	$153.44
	Capital	$1.56
Controlled load	Non–capital	$3.66
	Capital	$1.56
Solar	Non–capital	$3.66
	Capital	$1.56

A5. PROPOSED ACS FEES AND CHARGES

Up-front capital charges

The proposed up-front capital charges for 2017-18 are as follows:

Table A5.3: Up front capital charges

Meter Description		Interval (3G modem) 2017-18 ex GST	Interval (without 3G modem) 2017-18 ex GST	Accumulation 2017-18 ex GST
Whole current single element meter	Single phase	$677.95	$89.84	$42.79
	Single phase import/export	$677.95	$89.84	$89.84
	Poly phase	$482.52	$277.49	$115.30
	Poly phase import/export	$482.52	$277.49	$117.09
Current transformer meter	Single phase	N/A	N/A	N/A
	Single phase import/export	N/A	N/A	N/A
	Poly phase	$583.94	$378.91	$378.91
	Poly phase import/export	$583.94	$378.91	$378.91
Whole current dual element meter	Single phase	$772.80	$184.69	$184.69
	Single phase import/export	$772.80	$184.69	$184.69
	Poly phase	N/A	N/A	N/A
	Poly phase import/export	N/A	N/A	N/A

A5. PROPOSED ACS FEES AND CHARGES

Public Lighting

The proposed Public Lighting (Class 1 & 2) charges for 2017-18 are as follows:

Table A5.4: Public lighting charges

Public Lighting Prices (Class 1 & 2)	Tariff Class 1 (ex GST) 2017-18	Tariff Class 2 (ex GST) 2017-18
1 x 20 W Fluorescent	$51.58	$50.96
2 x 20 W Fluorescent	$54.19	$53.97
4 x 20 W Fluorescent	$60.02	$60.02
2 x 14 W Fluorescent	$49.61	$49.56
2 x 24 W Fluorescent	$50.96	$50.96
1 x 40 W Fluorescent	$49.63	$49.57
2 x 40 W Fluorescent	$51.19	$51.19
1 x 42 W Fluorescent	$49.57	$49.57
50W Mercury	$58.05	$48.63
80W Mercury	$51.61	$49.15
125W Mercury	$49.47	$49.15
250W Mercury	$53.67	$49.15
2 x 250W Mercury	$50.36	$50.36
400 W Mercury	$54.38	$49.15
50W Sodium	$50.16	$50.16
70W Sodium	$50.16	$50.16
90W Sodium	$50.91	$50.91
100W Sodium	$78.61	$50.91
120W Sodium	$182.34	$49.97
150W Sodium	$56.49	$49.97
250W Sodium	$56.39	$50.22
2 x 250W Sodium	$52.51	$52.51

A5. PROPOSED ACS FEES AND CHARGES

Public Lighting Prices (Class 1 & 2)	Tariff Class 1 (ex GST) 2017-18	Tariff Class 2 (ex GST) 2017-18
310W Sodium	$50.22	$50.22
400 W Sodium	$52.45	$50.47
2 x 400 W Sodium	$64.14	$53.00
4 x 600W Sodium	$58.05	$58.05
60 W Incandescent	$47.94	$47.94
100 W Incandescent	$47.94	$47.94
500 W Incandescent	$47.96	$47.94
100 W Metal Halide	$58.85	$57.88
150 W Metal Halide	$67.38	$64.92
250 W Metal Halide	$59.40	$53.52
2 x 250 W Metal Halide	$75.21	$59.08
400 W Metal Halide	$50.82	$50.47
2 x 400 W Metal Halide	$74.29	$53.00
1000 W Metal Halide	$50.15	$50.47
600 W Sodium	$73.39	$50.47
Pole mounting bracket minor (<=3m)	$13.17	$11.99
Pole mounting bracket major (>3m)	$18.11	$11.99
Outreach Minor (<=2m)	$15.05	$11.99
Outreach Major (>2m)	$14.25	$11.99
Minor Column (<=9)	$46.20	$12.57
Major Column (>=9)	$96.16	$12.57

A5. PROPOSED ACS FEES AND CHARGES

The proposed Public Lighting (Class 3 & 4) charges for 2017-18 are as follows:

Table A5.4: Public lighting charges

Public Lighting Prices (Class 3 & 4)	Tariff Class 3 (ex GST) 2017-18	Tariff Class 4 (ex GST) 2017-18
2x14W Energy Efficient Fluro - STD	$101.02	$62.60
2x24W Energy Efficient Fluro - STD	$105.32	$64.59
1x42W Compact Fluorescent - STD	$94.84	$61.77
50W Mercury - STANDARD	$89.63	$60.13
80W Mercury - STANDARD	$86.87	$60.26
70W Sodium - STANDARD	$92.76	$62.05
100W Sodium - STANDARD	$98.98	$63.65
100W Metal Halide - STANDARD	$108.57	$71.82
25W LED (StreetLED25)	$124.83	$62.01
22W LED (StreetLED18)	$124.83	$62.01
Suburban 70W HPS c/w D2 PECB - STD	$86.19	$58.99
150W Sodium - STANDARD	$100.98	$63.02
150W Metal Halide - STANDARD	$102.60	$61.24
250W Sodium - STANDARD	$101.92	$63.39
250W Metal Halide - STANDARD	$106.34	$67.23
400W Sodium - STANDARD	$105.57	$64.13
80W Mercury - AEROSCREEN	$91.87	$60.95
Urban A/Screen 42W CFL c/w D2 PECB	$103.00	$62.88
150W Sodium - AEROSCREEN	$104.16	$63.45
150W Metal Halide - AEROSCREEN	$125.12	$81.02
250W Sodium (w/o PECB) - AEROSCREEN	$104.44	$63.75
250W Metal Halide - AEROSCREEN	$108.88	$67.57
400W Sodium - AEROSCREEN	$108.35	$64.52

A5. PROPOSED ACS FEES AND CHARGES

Public Lighting Prices (Class 3 & 4)	Tariff Class 3 (ex GST) 2017-18	Tariff Class 4 (ex GST) 2017-18
400W Metal Halide - AEROSCREEN	$112.42	$68.06
Roadster A/Screen 100W HPS c/w PECB	$101.64	$64.03
80W Mercury - POST TOP	$98.39	$61.85
B2001 42WCFL c/w D2 PECB green - PT	$122.36	$63.97
250W Sodium - FLOODLIGHT	$121.63	$66.11
250W Metal Halide - FLOODLIGHT	$126.05	$69.94
400W Sodium - FLOODLIGHT	$124.24	$66.71
400W Metal Halide - FLOODLIGHT	$128.31	$70.26
150W Sodium - FLOODLIGHT	$120.75	$65.74
150W Metal Halide - FLOODLIGHT	$141.71	$83.31
Bracket - Minor <=3m	$21.43	$15.10
Bracket - Major >3m	$60.56	$22.41
Outreach - Minor <=2m	$23.16	$15.44
Outreach - Major >2m	$35.32	$17.69
Pole (Wood) - Minor - DEDICATED SL <=11m	$82.36	$27.03
Pole (Wood) - Major - DEDICATED SL >11m	$146.36	$38.96
Column (Steel) - Minor <=9m	$240.40	$27.53
Column (Steel) - Major >9m	$488.74	$39.11

A6. INDICATIVE ACS FEES AND CHARGES

The tables below set out our indicative 2018-19 prices for our alternative control services.

- Ancillary Network Service (ANS) charges;
- Metering service charges;
- Metering upfront capital charges;
- Public lighting prices (Class 1 & 2); and
- Public lighting prices (Class 3 & 4)

Our placeholder charges for 2018-19 have been calculated using a forecast CPI increase of 2.5%.

Ancillary Network Service (ANS) charges

The indicative ancillary network service charges for 2018-19 are as follows:

Table A6.1: Indicative ancillary network service charges

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
Site Establishment Fee	Site Establishment	Per NMI	Fee	$40.45
Off Peak Conversions	Off Peak Conversions	Per Job	Fee	$125.69
Rectification Works	Fitting of Tiger Tails (Labour)	Per Hour	Quote	$150.83
	Fitting of Tiger Tails (Material) - Weekly Hire	Per Tiger Tail	Quote	$5.45
	High Load Escorts - Per Hour	Per Hour	Quote	$150.83
	Rectification of illegal connections	Per Job	Fee	$603.29
	Provision of service crew / additional crew (Additional person per crew)	Per Hour	Quote	$150.83
Meter Test Fee	Meter Test Fee - Per Request	Per Job	Fee	$452.46
Reconnections/ Disconnections	Disconnections (Meter Box) - Includes Reconnection	Per Disco	Fee	$186.77
	Disconnections (Meter Load Tail) - Includes Reconnection	Per Disco	Fee	$285.06
	Disconnections (Site Visit)	Per Visit	Fee	$62.03
	Reconnections (Site Visit)	Per Visit	Fee	$62.03
	Reconnections outside normal business hours	Per Reco	Fee	$70.04
	Disconnections (Pole Top / Pillar Box) - Includes Reconnection	Per Disco	Fee	$471.13
	Disconnections at Pole Top / Pillar Box - Site Visit	Per Visit	Fee	$215.02
Special Meter Reads	Special Meter Reads	Per Job	Fee	$37.70
	Special Meter Reads – Site Visit	Per Job	Fee	$37.70
Move In / Move Out Meter Reads	Move In Meter Reads	Per Job	Fee	$37.70
	Move Out Meter Reads	Per Job	Fee	$37.70

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
Administration Fee	Subdivision - URD - Underground - Number of lots - 1-5	Per Job	Fee	$401.57
	Subdivision - URD - Underground - Number of lots - 6-10	Per Job	Fee	$501.95
	Subdivision - URD - Underground - Number of lots - 11- 40	Per Job	Fee	$702.74
	Subdivision - URD - Underground - Number of lots - 41 +	Per Job	Fee	$803.13
	Subdivision - Non Urban - Underground - Number of lots - 1-5	Per Job	Fee	$301.17
	Subdivision - Non Urban - Underground - Number of lots - 6-10	Per Job	Fee	$401.57
	Subdivision - Non Urban - Underground - Number of lots - 11-40	Per Job	Fee	$501.95
	Subdivision - Non Urban - Underground - Number of lots - 41 +	Per Job	Fee	$602.35
	Subdivision - Non Urban - Overhead - Number of poles - 1-5	Per Job	Fee	$401.57
	Subdivision - Non Urban - Overhead - Number of poles - 6-10	Per Job	Fee	$501.95
	Subdivision - Non Urban - Overhead - Number of poles - 11 +	Per Job	Fee	$903.52
	Subdivision - Industrial / Commercial - Per Hour	Per Hour	Quote	$100.38
	Connection of Load - URD - Per Hour	Per Hour	Quote	$100.38
	Connection of Load - Industrial / Commercial - Per Hour	Per Hour	Quote	$100.38
	Connection of Load - Non Urban - Underground - Per Hour	Per Hour	Quote	$100.38
	Connection of Load - Non Urban - Overhead - Number of poles - 1-5	Per Job	Fee	$401.57
	Connection of Load - Non Urban - Overhead - Number of poles - 6-10	Per Job	Fee	$602.35
	Connection of Load - Non Urban - Overhead - Number of poles - 11 +	Per Job	Fee	$803.13
	Asset Relocation - Per Hour	Per Hour	Quote	$100.38
	Public Lighting - Per Hour	Per Hour	Quote	$100.38
Design Information Fee	Subdivision - URD - Underground - Number of lots - 1-5	Per Job	Fee	$482.95
	Subdivision - URD - Underground - Number of lots - 6-10	Per Job	Fee	$643.92
	Subdivision - URD - Underground - Number of lots - 11-40	Per Job	Fee	$1,126.85
	Subdivision - URD - Underground - Number of lots - 41 +	Per Job	Fee	$1,448.81

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Subdivision - Non Urban - Per Hour	Per Hour	Quote	$160.99
	Subdivision - Industrial / Commercial - Per Hour	Per Hour	Quote	$160.99
	Connection of Load - Industrial / Commercial - <= 200A/Phase (LV)	Per Hour	Quote	$160.99
	Connection of Load - Industrial / Commercial - <= 700A/Phase (LV)	Per Hour	Quote	$160.99
	Connection of Load - Industrial / Commercial - > 700A/Phase (LV)	Per Hour	Quote	$160.99
	Connection of Load - Industrial / Commercial - HV Customer	Per Hour	Quote	$160.99
	Connection of Load - Industrial / Commercial - Transmission	Per Hour	Quote	$160.99
	Connection of Load - Multi-Dwelling - <= 5 units	Per Hour	Quote	$160.99
	Connection of Load - Multi-Dwelling - <= 20 units	Per Hour	Quote	$160.99
	Connection of Load - Multi-Dwelling - <= 40 units	Per Hour	Quote	$160.99
	Connection of Load - Multi-Dwelling - > 40 units	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - I&C - <= 200A/Phase (LV)	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - I&C - <= 700A/Phase (LV)	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - I&C - > 700A/Phase (LV)	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - I&C - HV Customer	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - I&C - Transmission	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Multi-Dwelling - <= 5 units	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Multi-Dwelling - <= 20 units	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Multi-Dwelling - <= 40 units	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Multi-Dwelling - > 40 units	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Single Residential - Per Hour	Per Hour	Quote	$160.99
	Asset Relocation - Engineer - Per Hour	Per Hour	Quote	$160.99
	Asset Relocation - Designer - Per Hour	Per Hour	Quote	$160.99
	Public Lighting - Engineer - Per Hour	Per Hour	Quote	$160.99

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Public Lighting - Designer - Per Hour	Per Hour	Quote	$160.99
Design Certification Fee	Subdivision - URD - Underground - Number of lots - 1-5	Per Job	Fee	$321.96
	Subdivision - URD - Underground - Number of lots - 6-10	Per Job	Fee	$482.95
	Subdivision - URD - Underground - Number of lots - 11-40	Per Job	Fee	$804.89
	Subdivision - URD - Underground - Number of lots - 41 +	Per Job	Fee	$965.86
	Subdivision - Non Urban - Underground - Number of lots - 1-5	Per Job	Fee	$160.99
	Subdivision - Non Urban - Underground - Number of lots - 6-10	Per Job	Fee	$482.95
	Subdivision - Non Urban - Underground - Number of lots - 11-40	Per Job	Fee	$643.92
	Subdivision - Non Urban - Underground - Number of lots - 41 +	Per Job	Fee	$643.92
	Subdivision - Non Urban - Overhead - Number of poles - 1-5	Per Job	Fee	$321.96
	Subdivision - Non Urban - Overhead - Number of poles - 6-10	Per Job	Fee	$482.95
	Subdivision - Non Urban - Overhead - Number of poles - 11 +	Per Job	Fee	$804.89
	Subdivision - Industrial / Commercial - Underground - Number of lots - 1-10	Per Job	Fee	$482.95
	Subdivision - Industrial / Commercial - Underground - Number of lots - 11-40	Per Job	Fee	$643.92
	Subdivision - Industrial / Commercial - Underground - Number of lots - 41 +	Per Job	Fee	$965.86
	Subdivision - Industrial / Commercial - Overhead - Number of poles - 1-5	Per Job	Fee	$321.96
	Subdivision - Industrial / Commercial - Overhead - Number of poles - 6-10	Per Job	Fee	$482.95
	Subdivision - Industrial / Commercial - Overhead - Number of poles - 11 +	Per Job	Fee	$804.89
	Connection of Load - Industrial / Commercial - <= 200A/Phase (LV)	Per Hour	Quote	$160.99
	Connection of Load - Industrial / Commercial - <= 700A/Phase (LV)	Per Hour	Quote	$160.99
	Connection of Load - Industrial / Commercial - > 700A/Phase (LV)	Per Hour	Quote	$160.99
	Connection of Load - Industrial / Commercial - HV Customer	Per Hour	Quote	$160.99
	Connection of Load - Industrial / Commercial - Transmission	Per Hour	Quote	$160.99
	Connection of Load - Multi-Dwelling - <= 5 units	Per Hour	Quote	$160.99
	Connection of Load - Multi-Dwelling - <= 20 units	Per Hour	Quote	$160.99

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Connection of Load - Multi-Dwelling - <= 40 units	Per Hour	Quote	$160.99
	Connection of Load - Multi-Dwelling - > 40 units	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Underground - Per Hour	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Underground - Number of poles - 1-5	Per Job	Fee	$321.96
	Connection of Load - Non Urban - Underground - Number of poles - 6-10	Per Job	Fee	$482.95
	Connection of Load - Non Urban - Underground - Number of poles - 11 +	Per Job	Fee	$804.89
	Connection of Load - Indoor Substation - Per Hour	Per Hour	Quote	$160.99
	Asset Relocation - Engineer - Per Hour	Per Hour	Quote	$160.99
	Asset Relocation - Designer - Per Hour	Per Hour	Quote	$160.99
	Public Lighting - Engineer - Per Hour	Per Hour	Quote	$160.99
	Public Lighting - Designer - Per Hour	Per Hour	Quote	$160.99
Design Re-certification Fee	Subdivision - Industrial & Commercial - Per Hour	Per Hour	Quote	$160.99
	Subdivision - Non Urban - Per Hour	Per Hour	Quote	$160.99
	Subdivision - URD - Per Hour	Per Hour	Quote	$160.99
	Connection of Load - Industrial & Commercial - Per Hour	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Per Hour	Per Hour	Quote	$160.99
	Connection of Load - URD - Per Hour	Per Hour	Quote	$160.99
	Other - Asset Relocation - Engineer - Per Hour	Per Hour	Quote	$160.99
	Other - Asset Relocation - Designer - Per Hour	Per Hour	Quote	$160.99
	Other - Public Lighting - Engineer - Per Hour	Per Hour	Quote	$160.99
	Other - Public Lighting - Designer - Per Hour	Per Hour	Quote	$160.99
Notification of Arrangement	Subdivision - Industrial & Commercial - Per Request	Per Job	Fee	$200.79
	Subdivision - Non Urban - Per Request	Per Job	Fee	$200.79

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Subdivision - URD - Per Request	Per Job	Fee	$200.79
	Subdivision - Industrial & Commercial - per hour for early notification of arrangement	Per Hour	Quote	$100.38
	Subdivision - Non Urban - per hour for early notification of arrangement	Per Hour	Quote	$100.38
	Subdivision - URD - per hour for early notification of arrangement	Per Hour	Quote	$100.38
Compliance Certificate	Connection of Load - Industrial & Commercial - Per Request	Per Job	Fee	$200.79
	Connection of Load - Non Urban - Per Request	Per Job	Fee	$301.17
	Connection of Load - URD - Per Request	Per Job	Fee	$200.79
	Connection of Load - Industrial & Commercial - per hour for early compliance certificate	Per Hour	Quote	$100.38
	Connection of Load - Non Urban - per hour for early compliance certificate	Per Hour	Quote	$100.38
	Connection of Load - URD - per hour for early compliance certificate	Per Hour	Quote	$100.38
Inspection Fee	Subdivision - URD - Underground - Per Lot (1 - 10) - Grade A	Per Job	Fee	$80.49
	Subdivision - URD - Underground - Per Lot (11 - 50) - Grade A	Per Job	Fee	$48.28
	Subdivision - URD - Underground - Per Lot (51 +) - Grade A	Per Job	Fee	$16.08
	Subdivision - URD - Underground - Per Lot (1 - 10) - Grade B	Per Job	Fee	$185.12
	Subdivision - URD - Underground - Per Lot (11 - 50) - Grade B	Per Job	Fee	$112.68
	Subdivision - URD - Underground - Per Lot (51 +) - Grade B	Per Job	Fee	$64.39
	Subdivision - URD - Underground - Per Lot (1 - 10) - Grade C	Per Job	Fee	$402.46
	Subdivision - URD - Underground - Per Lot (11 - 50) - Grade C	Per Job	Fee	$225.37
	Subdivision - URD - Underground - Per Lot (51 +) - Grade C	Per Job	Fee	$104.64
	Subdivision - URD - Underground - Per hour	Per Hour	Quote	$160.99
	Subdivision - Non Urban - Underground - Per Lot (1 - 10) - Grade A	Per Job	Fee	$80.49
	Subdivision - Non Urban - Underground - Per Lot (11 - 50) - Grade A	Per Job	Fee	$48.28
	Subdivision - Non Urban - Underground - Per Lot (51+) - Grade A	Per Job	Fee	$16.08
	Subdivision - Non Urban - Underground - Per Lot (1 - 10) - Grade B	Per Job	Fee	$193.18
	Subdivision - Non Urban - Underground - Per Lot (11 - 50) - Grade B	Per Job	Fee	$104.64
	Subdivision - Non Urban - Underground - Per Lot (51+) - Grade B	Per Job	Fee	$64.39

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Subdivision - Non Urban - Underground - Per Lot (1 - 10) - Grade C	Per Job	Fee	$410.50
	Subdivision - Non Urban - Underground - Per Lot (11 - 50) - Grade C	Per Job	Fee	$241.47
	Subdivision - Non Urban - Underground - Per Lot (51+) - Grade C	Per Job	Fee	$112.68
	Subdivision - Non Urban - Overhead - Per Pole (1 - 5) - Grade A	Per Job	Fee	$96.59
	Subdivision - Non Urban - Overhead - Per Pole (6 - 10) - Grade A	Per Job	Fee	$80.49
	Subdivision - Non Urban - Overhead - Per Pole (11 +) - Grade A	Per Job	Fee	$64.39
	Subdivision - Non Urban - Overhead - Per Pole Sub - Grade A	Per Job	Fee	$547.33
	Subdivision - Non Urban - Overhead - Per Pole (1 - 5) - Grade B	Per Job	Fee	$193.18
	Subdivision - Non Urban - Overhead - Per Pole (6 - 10) - Grade B	Per Job	Fee	$160.99
	Subdivision - Non Urban - Overhead - Per Pole (11 +) - Grade B	Per Job	Fee	$104.64
	Subdivision - Non Urban - Overhead - Per Pole Sub - Grade B	Per Job	Fee	$1,126.86
	Subdivision - Non Urban - Overhead - Per Pole (1 - 5) - Grade C	Per Job	Fee	$321.96
	Subdivision - Non Urban - Overhead - Per Pole (6 - 10) - Grade C	Per Job	Fee	$297.82
	Subdivision - Non Urban - Overhead - Per Pole (11 +) - Grade C	Per Job	Fee	$225.37
	Subdivision - Non Urban - Overhead - Per Pole Sub - Grade C	Per Job	Fee	$1,368.34
	Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade A	Per Job	Fee	$96.59
	Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade A	Per Job	Fee	$80.49
	Subdivision - Industrial & Commercial - Overhead - Per Pole (11 +) - Grade A	Per Job	Fee	$64.39
	Subdivision - Industrial & Commercial - Overhead - Per Pole Sub - Grade A	Per Job	Fee	$563.44
	Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade B	Per Job	Fee	$177.07
	Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade B	Per Job	Fee	$160.99
	Subdivision - Industrial & Commercial - Overhead - Per Pole (11 +) - Grade B	Per Job	Fee	$112.68
	Subdivision - Industrial & Commercial - Overhead - Per Pole Sub - Grade B	Per Job	Fee	$1,126.86
	Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade C	Per Job	Fee	$354.16
	Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade C	Per Job	Fee	$320.35
	Subdivision - Industrial & Commercial - Overhead - Per Pole (11 +) - Grade C	Per Job	Fee	$241.47

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Subdivision - Industrial & Commercial - Overhead - Per Pole Sub - Grade C	Per Job	Fee	$1,416.62
	Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10) - Grade A	Per Job	Fee	$80.49
	Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50) - Grade A	Per Job	Fee	$80.49
	Subdivision - Industrial & Commercial - Underground - Per Lot (51+) - Grade A	Per Job	Fee	$80.49
	Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10) - Grade B	Per Job	Fee	$193.18
	Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50) - Grade B	Per Job	Fee	$193.18
	Subdivision - Industrial & Commercial - Underground - Per Lot (51+) - Grade B	Per Job	Fee	$193.18
	Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10) - Grade C	Per Job	Fee	$402.46
	Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50) - Grade C	Per Job	Fee	$402.46
	Subdivision - Industrial & Commercial - Underground - Per Lot (51+) - Grade C	Per Job	Fee	$402.46
	Connection of Load - URD - Underground - Inspector - Per hour	Per Hour	Quote	$160.99
	Connection of Load - URD - Underground - Engineer - Per hour	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Underground - Inspector - Per hour	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Underground - Engineer - Per hour	Per Hour	Quote	$160.99
	Connection of Load - Non Urban - Overhead - Per Pole (1 - 5) - Grade A	Per Job	Fee	$96.59
	Connection of Load - Non Urban - Overhead - Per Pole (1 - 5) - Grade B	Per Job	Fee	$193.18
	Connection of Load - Non Urban - Overhead - Per Pole (1 - 5) - Grade C	Per Job	Fee	$354.16
	Connection of Load - Non Urban - Overhead - Per Pole (6 - 10) - Grade A	Per Job	Fee	$80.49
	Connection of Load - Non Urban - Overhead - Per Pole (6 - 10) - Grade B	Per Job	Fee	$160.99
	Connection of Load - Non Urban - Overhead - Per Pole (6 - 10) - Grade C	Per Job	Fee	$320.35
	Connection of Load - Non Urban - Overhead - Per Pole (11 +) - Grade A	Per Job	Fee	$64.39
	Connection of Load - Non Urban - Overhead - Per Pole (11 +) - Grade B	Per Job	Fee	$112.68
	Connection of Load - Non Urban - Overhead - Per Pole (11 +) - Grade C	Per Job	Fee	$241.47
	Connection of Load - Non Urban - Overhead - Per Pole Sub - Grade A	Per Job	Fee	$547.33
	Connection of Load - Non Urban - Overhead - Per Pole Sub - Grade B	Per Job	Fee	$1,126.86

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Connection of Load - Non Urban - Overhead - Per Pole Sub - Grade C	Per Job	Fee	$1,368.34
	Connection of Load - Industrial & Commercial - Underground - Inspector - Per hour	Per Hour	Quote	$160.99
	Connection of Load - Industrial & Commercial - Underground - Engineer - Per hour	Per Hour	Quote	$160.99
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade A	Per Job	Fee	$96.59
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade B	Per Job	Fee	$185.12
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade C	Per Job	Fee	$354.16
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade A	Per Job	Fee	$80.49
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade B	Per Job	Fee	$160.99
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade C	Per Job	Fee	$320.35
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+) - Grade A	Per Job	Fee	$64.39
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+) - Grade B	Per Job	Fee	$112.68
	Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+) - Grade C	Per Job	Fee	$241.47
	Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub - Grade A	Per Job	Fee	$563.44
	Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub - Grade B	Per Job	Fee	$1,126.86
	Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub - Grade C	Per Job	Fee	$1,416.62
	Asset Relocation - Underground - Inspector - Per hour	Per Hour	Quote	$160.99
	Asset Relocation - Underground - Engineer - Per hour	Per Hour	Quote	$160.99
	Public Lighting - Underground - Inspector - Per hour	Per Hour	Quote	$160.99
	Public Lighting - Underground - Engineer - Per hour	Per Hour	Quote	$160.99
Inspection of works outside normal working hours	Administration Fee			$53.67
	Overtime Hours Rate			$80.50
	Access Permits			$2,680.35
Reinspection Fee (Level 1 & Level 2 work)	Reinspection Fee (Level 1 & Level 2 work)	Per Hour	Quote	$160.99
Inspection of service work (Level 2 work)	Per NOSW - A Grade	Per NOSW	Fee	$56.34
	Per NOSW - B Grade	Per NOSW	Fee	$96.59

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Per NOSW - C Grade	Per NOSW	Fee	$321.96
Provision of Access Fee (Standby)	Normal Time - 1 x Visit - Open / Close - 1 hour - Per Job	Per Job	Fee	$161.27
	Normal Time - 1 x Visit - Open / Isolate & CSO to close - 1 hour - Per Job	Per Job	Fee	$333.38
	Normal Time - 2 x Visit - Open / Close & no isolation - 2 hours - Per Job	Per Job	Fee	$322.53
	Normal Time - 2 x Visit - Open / Isolate / Close - 2 hours - Per Job	Per Job	Fee	$666.77
	Overtime - 1 x Visit - Open / Close - 1 hour - Per Job	Per Job	Fee	$282.20
	Overtime - 1 x Visit - Open / Isolate & CSO to close - 1 hour - Per Job	Per Job	Fee	$583.42
	Overtime - 2 x Visit - Open / Close & no isolation - 2 hours - Per Job	Per Job	Fee	$564.42
	Overtime - 2 x Visit - Open / Isolate / Close - 2 hours - Per Job	Per Job	Fee	$1,166.85
Access Permits	Subdivision - URD - Per Lot	Per Lot	Fee	$61.90
	All Other - Industrial & Commercial	Per AA or ATW	Fee	$2,680.35
	All Other - Non Urban	Per AA or ATW	Fee	$2,680.35
	All Other - URD	Per AA or ATW	Fee	$2,680.35
	All Other - Asset Relocation	Per AA or ATW	Fee	$2,680.35
	All Other - Public Lighting	Per AA or ATW	Fee	$2,680.35
Substation Commission Fee	Subdivision - URD - Per Lot	Per Lot	Fee	$64.85
	All Other - Industrial & Commercial - Per Substation	Per Substation	Fee	$1,880.67
	All Other - Non Urban - Per Substation	Per Substation	Fee	$1,880.67
	All Other - URD - Per Substation	Per Substation	Fee	$1,880.67
	All Other - Asset Relocation - Per Substation	Per Substation	Fee	$1,880.67
	All Other - Public Lighting - Per Substation	Per Substation	Fee	$1,880.67
Excluded Distribution Services	Cost of excluded distribution services for interruption avoidance measures for contestable work planned electricity supply interruptions			
	Install & remove HV live line links - One set	Per Job	Fee	$4,658.77
	Install & remove HV live line links - Each additional set	Per Job	Fee	$2,981.44
	Break & remake HV bonds - One set	Per Job	Fee	$3,612.44
	Break & remake HV bonds - Each additional set	Per Job	Fee	$1,997.22

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Break & remake LV bonds - One set	Per Job	Fee	$2,233.05
	Break & remake LV bonds - Each additional set	Per Job	Fee	$1,050.37
	Install & remove LV live line links - One set	Per Job	Fee	$2,204.54
	Install & remove LV live line links - Each additional set	Per Job	Fee	$1,021.85
	Connect & disconnect generator to LV OH mains - One generator	Per Job	Fee	$2,150.25
	Connect & disconnect generator to LV OH mains - Each additional generator	Per Job	Fee	$967.56
	Connect & disconnect generator to a padmount / indoor substation - One generator	Per Job	Fee	$2,150.25
	Connect & disconnect generator to a padmount / indoor substation - Each additional gen	Per Job	Fee	$967.56
	Cost of excluded distribution services to terminate cable at zone substations and first joint out from the zone substation			
	Zone substation access and supervision for installation of cable(s) for one feeder	Per Job	Fee	$3,451.19
	Protection setting	Per Job	Fee	$4,491.66
	Testing cable prior to commissioning	Per Job	Fee	$5,098.89
	11kV Zone substation circuit breaker cable termination	Per Job	Fee	$4,051.13
	22kV Zone substation circuit breaker cable termination	Per Job	Fee	$4,191.78
	11kV Padmount/Indoor substation cable termination	Per Job	Fee	$4,370.87
	22kV Padmount/Indoor substation cable termination	Per Job	Fee	$5,245.97
	11kV Pole top termination (UGOH) and bonding to OH	Per Job	Fee	$5,130.74
	22kV Pole top termination (UGOH) and bonding to OH	Per Job	Fee	$5,715.50
	11kV Straight through joint	Per Job	Fee	$4,306.74
	22kV Straight through joint	Per Job	Fee	$4,485.21
	Traffic Control			
	Traffic Management to install & remove, break & remake, connect & disconnect excluded distribution services	Per Job	Fee	$4,206.07
	Traffic Management to test, terminate and joint excluded distribution services	Per Job	Fee	$3,856.06
Authorisation	Authorisation - Renewal	Per Authorisation	Fee	$424.00

A6. INDICATIVE ACS FEES AND CHARGES

Fee Type	Fee Category	Driver	Fee Type	2018-19 (ex GST)
	Authorisation - New	Per Authorisation	Fee	$472.38
Conveyancing Information	Supply of conveyancing information	Per Inquiry	Fee	$66.81
Planning Studies	Carrying out planning studies and analysis relating to distribution (including sub transmission and dual function assets) connection applications - (Simple Jobs)	Per Hour	Quote	$200.10
	Carrying out planning studies and analysis relating to distribution (including sub transmission and dual function assets) connection applications - (Complex Jobs)	Per Hour	Quote	$237.80
Connection Offer Service	Connection Offer Service (Basic)	Per Job	Fee	$26.84
	Connection Offer Service (Standard)	Per Job	Fee	$258.19
Customer Interface co-ordination	Customer Interface co-ordination for contestable works	Per Hour	Quote	$200.10
Investigation, review & implementation of remedial actions associated with ASP's connection work	Investigation, review & implementation of remedial actions associated with ASP's connection work	Per Hour	Quote	$160.99
Preliminary Enquiry Service	Preliminary Enquiry Service (Simple Jobs)	Per Hour	Quote	$100.38
	Preliminary Enquiry Service (Complex Jobs)	Per Hour	Quote	$237.80
Services involved in obtaining deeds of agreement	Services involved in obtaining deeds of agreement in relation to property rights associated with contestable connections work	Per Hour	Quote	$160.99
Clearance to Work	Clearance to Work	Per Job	Fee	$2,233.60
Recovery of debt collection costs	Recovery of debt collection costs - dishonoured transactions	Per Job	Fee	$18.06
Type 5-7 Non Standard Meter data Services	Type 5-7 Non Standard Meter data Services	Per Job	Fee	$17.90
Franchise CT Meter Install	Franchise CT Meter Install	Per Job	Fee	$564.42
ROLR	Services provided in relation to a Retailer of Last Resort (ROLR) event	Per Job	Quote	Quote Basis

Classification	Driver	2018-19 (ex GST)
Admin	Per Hour	$100.38
Technical specialist	Per Hour	$160.99
EO 7/Engineer	Per Hour	$200.10
Field worker R4	Per Hour	$150.83
Senior Engineer	Per Hour	$237.80

A6. INDICATIVE ACS FEES AND CHARGES

Metering Service Charges

The indicative annual metering service charges for 2018-19 are as follows:

Table A6.2: Indicative metering service charges

Tariff Class	Costs	2018-19 (ex GST)
Residential anytime	Non–capital	$15.04
	Capital	$1.63
Residential TOU – Type 6 meter	Non–capital	$32.80
	Capital	$1.63
Residential TOU - Type 5 meter	Non–capital	$137.56
	Capital	$1.63
Small business anytime	Non–capital	$22.81
	Capital	$1.63
Small business TOU - Type 6 meter	Non–capital	$56.07
	Capital	$1.63
Small business TOU – Type 5 meter	Non–capital	$160.81
	Capital	$1.63
Controlled load	Non–capital	$3.84
	Capital	$1.63
Solar	Non–capital	$3.84
	Capital	$1.63

A6. INDICATIVE ACS FEES AND CHARGES

Up-front capital charges

The indicative up-front capital charges for 2018-19 are as follows:

Table A6.3: Indicative up front capital charges

Meter Description		Interval (3G modem) 2018-19 ex GST	Interval (without 3G modem) 2018-19 ex GST	Accumulation 2018-19 ex GST
Whole current single element meter	Single phase	$694.90	$92.09	$43.86
	Single phase import/export	$694.90	$92.09	$92.09
	Poly phase	$494.58	$284.43	$118.18
	Poly phase import/export	$494.58	$284.43	$120.02
Current transformer meter	Single phase	N/A	N/A	N/A
	Single phase import/export	N/A	N/A	N/A
	Poly phase	$598.54	$388.38	$388.38
	Poly phase import/export	$598.54	$388.38	$388.38
Whole current dual element meter	Single phase	$792.12	$189.31	$189.31
	Single phase import/export	$792.12	$189.31	$189.31
	Poly phase	N/A	N/A	N/A
	Poly phase import/export	N/A	N/A	N/A

A6. INDICATIVE ACS FEES AND CHARGES

Public Lighting

The indicative Public Lighting (Class 1 & 2) charges for 2018-19 are as follows:

Table A6.4: Indicative public lighting charges

Public Lighting Prices (Class 1 & 2)	Tariff Class 1 (ex GST) 2018-19	Tariff Class 2 (ex GST) 2018-19
1 x 20 W Fluorescent	$52.87	$52.23
2 x 20 W Fluorescent	$55.54	$55.32
4 x 20 W Fluorescent	$61.52	$61.52
2 x 14 W Fluorescent	$50.85	$50.80
2 x 24 W Fluorescent	$52.23	$52.23
1 x 40 W Fluorescent	$50.87	$50.81
2 x 40 W Fluorescent	$52.47	$52.47
1 x 42 W Fluorescent	$50.81	$50.81
50W Mercury	$59.50	$49.85
80W Mercury	$52.90	$50.38
125W Mercury	$50.71	$50.38
250W Mercury	$55.01	$50.38
2 x 250W Mercury	$51.62	$51.62
400 W Mercury	$55.74	$50.38
50W Sodium	$51.41	$51.41
70W Sodium	$51.41	$51.41
90W Sodium	$52.18	$52.18
100W Sodium	$80.58	$52.18
120W Sodium	$186.90	$51.22
150W Sodium	$57.90	$51.22
250W Sodium	$57.80	$51.48
2 x 250W Sodium	$53.82	$53.82

A6. INDICATIVE ACS FEES AND CHARGES

Public Lighting Prices (Class 1 & 2)	Tariff Class 1 (ex GST) 2018-19	Tariff Class 2 (ex GST) 2018-19
310W Sodium	$51.48	$51.48
400 W Sodium	$53.76	$51.73
2 x 400 W Sodium	$65.74	$54.33
4 x 600W Sodium	$59.50	$59.50
60 W Incandescent	$49.14	$49.14
100 W Incandescent	$49.14	$49.14
500 W Incandescent	$49.16	$49.14
100 W Metal Halide	$60.32	$59.33
150 W Metal Halide	$69.06	$66.54
250 W Metal Halide	$60.89	$54.86
2 x 250 W Metal Halide	$77.09	$60.56
400 W Metal Halide	$52.09	$51.73
2 x 400 W Metal Halide	$76.15	$54.33
1000 W Metal Halide	$51.40	$51.73
600 W Sodium	$75.22	$51.73
Pole mounting bracket minor (<=3m)	$13.50	$12.29
Pole mounting bracket major (>3m)	$18.56	$12.29
Outreach Minor (<=2m)	$15.43	$12.29
Outreach Major (>2m)	$$14.61	$12.29
Minor Column (<=9)	$47.36	$12.88
Major Column (>=9)	$98.56	$12.88

A6. INDICATIVE ACS FEES AND CHARGES

The indicative Public Lighting (Class 3 & 4) charges for 2018-19 are as follows:

Table A6.4: Indicative public lighting charges

Public Lighting Prices (Class 3 & 4)	Tariff Class 3 (ex GST) 2018-19	Tariff Class 4 (ex GST) 2018-19
2x14W Energy Efficient Fluro - STD	$103.55	$64.17
2x24W Energy Efficient Fluro - STD	$107.95	$66.20
1x42W Compact Fluorescent - STD	$97.21	$63.31
50W Mercury - STANDARD	$91.87	$61.63
80W Mercury - STANDARD	$89.04	$61.77
70W Sodium - STANDARD	$95.08	$63.60
100W Sodium - STANDARD	$101.45	$65.24
100W Metal Halide - STANDARD	$111.28	$73.62
25W LED (StreetLED25)	$127.95	$63.56
22W LED (StreetLED18)	$127.95	$63.56
Suburban 70W HPS c/w D2 PECB - STD	$88.34	$60.46
150W Sodium - STANDARD	$103.50	$64.60
150W Metal Halide - STANDARD	$105.17	$62.77
250W Sodium - STANDARD	$104.47	$64.97
250W Metal Halide - STANDARD	$109.00	$68.91
400W Sodium - STANDARD	$108.21	$65.73
80W Mercury - AEROSCREEN	$94.17	$62.47
Urban A/Screen 42W CFL c/w D2 PECB	$105.58	$64.45
150W Sodium - AEROSCREEN	$106.76	$65.04
150W Metal Halide - AEROSCREEN	$128.25	$83.05
250W Sodium (w/o PECB) - AEROSCREEN	$107.05	$65.34
250W Metal Halide - AEROSCREEN	$111.60	$69.26
400W Sodium - AEROSCREEN	$111.06	$66.13

A6. INDICATIVE ACS FEES AND CHARGES

Public Lighting Prices (Class 3 & 4)	Tariff Class 3 (ex GST) 2018-19	Tariff Class 4 (ex GST) 2018-19
400W Metal Halide - AEROSCREEN	$115.23	$69.76
Roadster A/Screen 100W HPS c/w PECB	$104.18	$65.63
80W Mercury - POST TOP	$100.85	$63.40
B2001 42WCFL c/w D2 PECB green - PT	$125.42	$65.57
250W Sodium - FLOODLIGHT	$124.67	$67.76
250W Metal Halide - FLOODLIGHT	$129.20	$71.69
400W Sodium - FLOODLIGHT	$127.35	$68.38
400W Metal Halide - FLOODLIGHT	$131.52	$72.02
150W Sodium - FLOODLIGHT	$123.77	$67.38
150W Metal Halide - FLOODLIGHT	$145.25	$85.39
Bracket - Minor <=3m	$21.97	$15.48
Bracket - Major >3m	$62.07	$22.97
Outreach - Minor <=2m	$23.74	$15.83
Outreach - Major >2m	$36.20	$18.13
Pole (Wood) - Minor - DEDICATED SL <=11m	$84.42	$27.71
Pole (Wood) - Major - DEDICATED SL >11m	$150.02	$39.93
Column (Steel) - Minor <=9m	$246.41	$28.22
Column (Steel) - Major >9m	$500.96	$40.09

NETWORK PRICE LIST: NETWORK TARIFFS 2017-2018

Effective 1 July 2017

Endeavour Energy

Document Amendment History

Version No.	Publication Date	Comments
1.0	18 May 2017	Final

Disclaimer
Endeavour Energy may change the information in this document without notice. All changes take effect on the date made by Endeavour Energy.

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NETWORK TARIFFS

GENERAL INFORMATION

1.1 Introduction

In this document “we”, “us”, “our” and “ours” refers to Endeavour Energy; “you”, “your” and “yours” refers to you, the *customer*.

Words in *italics* are explained in your *customer connection contract*. This contract is available for download from our website at:

www.endeavourenergy.com.au

Alternatively, you can obtain a copy by calling our Customer Interaction Centre (CIC) on 133 718.

1.2 Network Price List – Network Tariffs

Endeavour Energy has compiled this Network Price List to provide you with details of:

a) a description of charges payable under your *customer connection contract* for services provided or arranged by us;
b) the pricing options and conditions applicable to various categories of *customers*;
c) the basis on which we calculate charges for services provided under your *customer connection contract*;
d) the tariffs and charges, including any off-peak and standby tariffs, payable by *customers*;
e) the availability of any off-peak or standby tariffs and the extent to which *customers* can take advantage of them; and
f) our minimum charge in a standard billing period.

1.3 Enquiries

If you have any questions in relation to this Network Price List please contact:
network.pricing@endeavourenergy.com.au

Network Pricing
Endeavour Energy
PO Box 811
Seven Hills NSW 1730

or contact our Customer Interaction Centre (CIC) on 133 718.

For specific enquires related to the application of charges in this Network Price List, please refer to the Retail Operations Contact List (ROCL) or:

- Tariff Transfer Requests:
  CommercialTariff.Transfers@endeavourenergy.com.au
- Annual Pricing Resets and Regulatory Determination:
  network.pricing@endeavourenergy.com.au

For NMI classification requests (change of size based on consumption) please refer to
inspection@endeavourenergy.com.au

This Network Price List and the Network Pricing Options within have been prepared in accordance with the enforceable undertaking agreed between Endeavour Energy and the AER which sets out the 2017-18 network charges effective 1 July 2017.

1.4 Network Pricing Options

The different categories of Network Pricing Options available are:

- Standard;
- Small Non-Market Generation;
- Solar Bonus Scheme;
- Combination Pricing;
- Unmetered; and
- Site Specific

Endeavour Energy will assign a Network Pricing Option when supply commences under the *customer connection contract*.

The assigned Pricing Option will depend on the annual energy consumption measured at the *connection point*, the supply voltage at the *connection point*, the method of connection to Endeavour Energy's *distribution system* and the type of meter(s) installed.

1.4.1. Standard Pricing Options

The available Standard Pricing Options are:

- Domestic;
- Controlled Load;
- Domestic Time of Use;
- General Supply Non Time of Use;
- General Supply Time of Use; and
- Demand Time of Use.

Standard Network Pricing Options (as set out in Table 1 of the Network Price Tables) are applicable to *connection points* located in the Endeavour Energy *distribution system*, unless one of the Non-standard Pricing Options described in sections 1.4.2, 1.4.3, 1.4.4, 1.4.5, or 1.4.6 apply.

1.4.1.1. Domestic

Domestic Block Tariff – N70

The Domestic Block Tariff (BT) applies to *customer connection services* supplied to the *connection point* where:

- Total electricity consumption, per financial year, is less than 160MWh; and
- Electricity is supplied at a voltage level defined as Low Voltage (LV) - nominally 230/400 V.

In addition, the Domestic BT is predominantly used for one or more of the following purposes:

- Private dwellings;

- Boarding and lodging houses, being any house in which three or more persons, exclusive of the family of the proprietor thereof, are lodged for hire or reward from week to week or for more than a week;
- Retirement villages;
- Domestic sections of nursing homes and hospitals;
- Domestic sections of educational institutions;
- Approved baby health centres, day nurseries and kindergartens;
- Children's homes;
- Churches, mosques, temples etc., being buildings or properties which are used principally for public worship or partly for public worship and partly for educational purpose; and
- Approved caravan sites.

and where that point has an accumulation (basic or disc - Type 6) meter or an interval meter that is read as an accumulation meter.

This tariff consists of the following pricing components:

- Network Access Charge (NAC); and
- Block tariff energy consumption charges.

This is the default tariff for low voltage domestic *customers*.

1.4.1.2. Controlled Load

Controlled Load Tariffs – N50 and N54

A Controlled Load tariff applies to *customer connection services* supplied to the *connection point* where:

- Total electricity consumption, per financial year, is less than 160MWh;
- Electricity is supplied at a voltage level defined as Low Voltage (LV) - nominally 230/400 V; and
- A Domestic or General Supply tariff also applies.

A Controlled Load tariff applies where electricity load is separately metered and controlled at a *connection point*:

a) Controlled Load 1 (N50) applies where supply to approved specified appliances is controlled such that supply may not be available between 7:00am and 10:00pm, during both Eastern Standard Time (EST) and Daylight Saving Time (DST).; and
b) Controlled Load 2 (N54) applies where supply to approved specified appliances is controlled such that electricity is available for restricted periods not exceeding a total of 17 hours in any period of 24 hours.

Switching times will be managed by Endeavour Energy to minimise network investment and meet *customer* needs for the load being controlled.

When a *customer* with Controlled Load chooses another Pricing Option, the Controlled Load meter and Controlled Load relay may be removed.

Customers with a Controlled Load appliance are entitled to a Controlled Load network price only if all of the following conditions are met:

a) Controlled Load consumption is separately metered using the same type of meter as the uncontrolled portion of a customer's load;
b) Controlled Load consumption and uncontrolled load consumption is always synchronously read, i.e. on the same day; and
c) The Controlled Load is managed by Endeavour Energy.

d) Endeavour Energy's equipment or a Meter Provider's equipment that has the approval of the General Manager – Asset Management controls the supply of electricity to the appliance.

A Controlled Load tariff is applicable to approved appliances only. Approved appliances must be permanently wired without a plug and socket. Switches that enable the transfer of approved appliances or equipment to non-Controlled Load circuits are not permitted.

This tariff consists of the following pricing components:

- Network Access Charge (NAC); and
- Single energy consumption charge.

1.4.1.3. Domestic Time of Use

Domestic Time of Use (Type 5) Tariff – N705

The Domestic Time of Use (TOU) (Type 5) tariff applies to *customer connection services* supplied to the *connection point* where:

- Total electricity consumption, per financial year, is less than 160MWh;
- Electricity is supplied at a voltage level defined as Low Voltage (LV) - nominally 230/400 V;
- The interval meter records consumption at 30 minute intervals.

The Domestic TOU (Type 5) tariff applies to a *connection point* which is predominantly used for one or more of the purposes set out in the description for the Domestic BT (N70) tariff, at a *connection point* with a time of use meter from which interval meter consumption data is obtained. Type 5 tariffs are applicable to *connection points* with a Type 5 (manually read interval) meter installed. Domestic *customers* fitted with a Type 5 meter may elect to take supply on this basis.

The capital cost of a Type 5 meter capable of recording 30 minute interval data and its installation by an accredited private electrical contractor is payable by the *customer*.

This tariff consists of the following pricing components:

- Network Access Charge (NAC); and
- Time of Use energy consumption charges.

Domestic Time of Use Tariff – N706

The Domestic Time of Use (TOU) tariff applies to *customer connection services* supplied to the *connection point* where:

- Total electricity consumption, per financial year, is less than 160MWh;
- Electricity is supplied at a voltage level defined as Low Voltage (LV) - nominally 230/400 V; and
- The interval meter records a single "peak", "shoulder" and "off-peak" consumption value per *billing cycle*.

The Domestic TOU tariff applies to a *connection point*, which is predominantly used for one or more of the purposes set out in the description for the Domestic BT (N70) tariff, at a *connection point* with a time of use meter from which interval meter consumption data is obtained. Domestic *customers* fitted with a meter capable of supporting a Domestic TOU pricing option (Type 5 or Type 6 meter) may elect to take supply on this basis.

The capital cost of a Type 6 meter capable of recording TOU meter data and its installation by an accredited private electrical contractor is payable by the *customer*.

This tariff consists of the following pricing components:

- Network Access Charge (NAC); and
- Time of Use energy consumption charges.

1.4.1.4. General Supply Non Time of Use

General Supply Block Tariff – N90

The General Supply Block Tariff (BT) applies to *customer connection services* supplied to the *connection point* where:

- Total electricity consumption, per financial year, is less than 160MWh; and
- Electricity is supplied at a voltage level defined as Low Voltage (LV) - nominally 230/400 V.

The General Supply BT applies to low voltage electricity used for any purpose other than Domestic, at a connection point with an accumulation meter or an interval meter that is read as an accumulation (Type 6) meter.

This tariff consists of the following pricing components:

- Network Access Charge (NAC); and
- Block tariff energy consumption charges.

The General Supply BT (N90) is the default tariff for low voltage non-domestic customers and will be applied in the following circumstances:

- Appropriate TOU / Demand metering metrology are not in place for TOU and/or Demand based tariffs; or
- An established energy consumption history is not available to allow the customer to be classified as consuming > 160MWh per annum, therefore requiring a demand based tariff.

Consequently, General Supply BT (N90) is the default tariff for all new (i.e. greenfield) sites and/or NMIs relating to low voltage non-domestic *customers*, regardless of TOU / Demand metering metrology installed or expected future consumption, and will be applied until such time as a change in Pricing Option is effected in accordance with clause 1.11 (as initiated by Endeavour Energy or the retailer).

1.4.1.5. General Supply Time of Use

General Supply Time of Use (type 5) – N845

The General Supply Time of Use (TOU) (Type 5) tariff applies to *customer connection services* supplied to the *connection point* where:

- Total electricity consumption, per financial year, is less than 160MWh;
- Electricity is supplied at a voltage level defined as Low Voltage (LV) - nominally 230/400 V; and
- The interval meter records consumption at 30 minute intervals.

The General Supply TOU (type 5) tariff applies to a *connection point*, which is predominantly used for any purpose other than Domestic, at a *connection point* with a time of use meter from which interval meter consumption data is obtained. Type 5 tariffs are applicable to *connection points* with a Type 5 (manually read interval) meter installed.

Endeavour Energy reserves the right to assign the General Supply TOU (type 5) pricing option to any new or existing *connection point* fitted with an interval meter.
The capital cost of a Type 5 meter capable of recording 30 minute interval data and its installation by an accredited private electrical contractor is payable by the *customer*.

This tariff consists of the following pricing components:

- Network Access Charge (NAC); and
- Time of Use energy consumption charges.

General Supply Time of Use – N84

The General Supply Time of Use (TOU) tariff applies to *customer connection services* supplied to the *connection point* where:

- Total electricity consumption, per financial year, is less than 160MWh;
- Electricity is supplied at a voltage level defined as Low Voltage (LV) - nominally 230/400 V; and
- The interval meter records a single “peak”, “shoulder” and “off-peak” consumption value per *billing cycle*.

The General Supply TOU tariff applies to a *connection point*, which is predominantly used for any purpose other than Domestic, at a *connection point* with a time of use meter from which interval meter consumption data is obtained.

Endeavour Energy reserves the right to assign the General Supply TOU pricing option to any new or existing *connection point* fitted with an interval meter.

The capital cost of a Type 6 meter capable of recording TOU meter data and its installation by an accredited private electrical contractor is payable by the *customer*.

This tariff consists of the following pricing components:

- Network Access Charge (NAC); and
- Time of Use energy consumption charges.

1.4.1.6. Demand Time of Use

Low Voltage Demand Time of Use – N19

The Low Voltage Demand Time of Use (TOU) tariff applies to *customer connection services* supplied to the *connection point* where:

- Total electricity consumption, per financial year, is greater than 160MWh;
- Electricity is supplied at a voltage level defined as Low Voltage (LV) - nominally 230/400 V; and
- There exists a time of use meter, from which both interval meter energy and demand data is obtained.

This tariff consists of the following pricing components:

- Network Access Charge (NAC);
- Time of Use energy consumption charges; and
- Demand charges.

It should be noted that General Supply BT (N90) is the default tariff for all new (i.e. greenfield) sites and/or NMIs relating to low voltage non-domestic *customers*, regardless of TOU / Demand metering metrology installed or

expected future consumption, and will be applied until such time as a change in Pricing Option is effected in accordance with clause 1.11 (as initiated by Endeavour Energy or the retailer). Consequently, the Low Voltage Demand Time of Use tariff (N19) will not be applied as the default tariff for new (i.e. greenfield) sites and/or NMIs relating to low voltage non-domestic *customers*.

Transitional Time of Use – N89

The Transitional Time of Use (TOU) tariff applies to *customer connection services* supplied to the *connection point* where:

- Total electricity consumption, per financial year, greater than 160MWh but less than 40GWh or 10MVA maximum demand;
- Electricity is supplied at a voltage level defined as Low Voltage (LV) - nominally 230/400 V; and
- There exists a time of use meter, from which at a minimum interval meter energy data is obtained.

The Transitional TOU tariff applies to those *customers* who satisfy the Low Voltage Demand TOU (N19) tariff criteria, but cannot be transferred to this tariff due to:

- a lack of metering capable of supporting the demand based tariff; or
- the expected financial impact of a direct transition to low voltage time of use demand is deemed excessive.

It is the intention of Endeavour Energy that these *customers* will transition off N89 and onto N19.

The transitional Time of Use tariff is not available by *customer* request.

This tariff consists of the following pricing components:

- Network Access Charge (NAC); and
- Time of Use energy consumption charges.

High Voltage Demand Time of Use – N29

The High Voltage Demand Time of Use (TOU) tariff applies to *customer connection services* supplied to the *connection point* where:

- Electricity is supplied at a voltage level defined as High Voltage (HV) - nominally 12.7 kV SWER, 11 or 22 kV; and
- There exists a time of use meter, from which both interval meter energy and demand data is obtained.

This tariff consists of the following pricing components:

- Network Access Charge (NAC);
- Time of Use (TOU) consumption charges; and
- Demand charges.

Sub-transmission Time of Use Demand – N39

The Sub-transmission Demand Time of Use (TOU) tariff applies to *customer connection services* supplied to the *connection point* where:

- Electricity is supplied at a voltage level defined as Sub-transmission (ST) - 33, 66 or 132 kV; and
- There exists a time of use meter, from which both interval meter energy and demand data is obtained.

This tariff consists of the following pricing components:

- Network Access Charge (NAC); and
- Time of Use energy consumption charges; and
- Demand charges.

1.4.2. Small Non-Market Generation Pricing Options

Endeavour Energy has developed Pricing Options for non-market micro-generation installations added to *connection points* within Endeavour Energy's *distribution system* (as set out in Table 2 of the Network Price Tables).

Small Non-Market Generation Pricing Options are formulated on the basis of the equivalent Standard Pricing Options, and include a Generated Energy (credit) pricing component.

1.4.3. Solar Bonus Scheme Pricing Options

The NSW Government's Solar Bonus Scheme (SBS) credited participating customers with a feed in tariff for all the electricity that their eligible solar photovoltaic (PV) system or wind turbine systems generated and provided to the network.

SBS Pricing Options (as set out in Tables 3a, 3b and 3c of the Network Price Tables) were formulated on the basis of the equivalent Standard Pricing Options, and included a Generated Energy (credit) pricing component.

The SBS finished on 31 December 2016 and from 1 January 2017 all Generated Energy Rates were set to zero. All SBS Pricing Options are now deemed obsolete and no new customers will be added to these tariffs.

1.4.4. Combination Pricing Options

Combination Pricing Options (as set out in Tables 3c and 4 of the Network Price Tables) are combinations of standard Pricing Options, which are applicable to *connection points* where an Endeavour Energy owned combination meter is installed[1]. A combination meter is one which can meter both a controlled load and normal Domestic (or General Supply) consumption as two distinct energy flows.

Combination Pricing Options are formulated on the basis of the equivalent Standard Pricing Options, which would ordinarily be applicable to each component of the Combination Pricing Option.

For example, NC01 (Domestic/Controlled Load 1) Pricing Option consists of Domestic and Controlled Load 1 charges.

1.4.5. Unmetered Pricing Options

Unmetered Supply Pricing Options (as set out in Table 5 of the Network Price Tables) are applicable to *connection points* that are not metered.

Other Unmetered Supplies – N99

The Unmetered Supply tariff applies to unmetered supplies not eligible for supply under unmetered tariff ENSL or ENTL.

This tariff consists of a Block Tariff (BT) consumption charge only.

[1] Where the combination meter is not owned by Endeavour Energy, the combination pricing option will not apply.

Streetlighting – ENSL

The unmetered Streetlighting supply tariff applies to streetlighting *connection points* that are not metered.

This tariff consists of a Single energy consumption charge only.

Traffic Control Signal Lights – ENTL

The unmetered Traffic Control Signal Light supply tariff applies to traffic control signal light *connection points* that are not metered.

This tariff consists of a Single energy consumption charge only.

Nightwatch – ENNW

The unmetered Nightwatch supply tariff applies to night watch *connection points* that are not metered.

This tariff consists of a Single energy consumption charge only.

Energy consumption for ENSL, ENTL and ENNW sites are calculated using the appropriate algorithm in the applicable Metrology Procedure.

1.4.6. Site Specific Pricing Option

Site Specific (individually calculated) High Voltage or Sub-transmission Demand Time of Use (TOU) tariffs apply to *customer connection services* supplied to the *connection point* where:

- Electricity consumption has been equal to or greater than 100GWh in total for the 36 months preceding the application; or
- Electricity consumption has been equal to or greater than 40GWh per annum in each of the two financial years preceding the application; or
- Monthly peak demand has been equal to or greater than 10MVA for 24 of the 36 months preceding the application.

Endeavour Energy may assign, or maintain, a Site Specific High Voltage or Sub-transmission Demand TOU tariff to any *connection point* in circumstances such as, but not limited to:

- The need to recover investment associated with stranded or dedicated assets, or other costs incurred by Endeavour Energy at that connection point, which may otherwise not be recovered under the Standard Demand TOU tariffs; and
- Endeavour Energy agreeing to assign a Site Specific Demand TOU tariff following an application from the *retailer*.

Inter-distributor transfer network use of system tariffs are calculated on a Site Specific basis and are specifically applied to electricity transferred through the Endeavour Energy network on behalf of Ausgrid and Essential Energy.

Applications requesting a new Site Specific Pricing Option, or a change to an existing Site Specific tariff, must be submitted by 30 September. Pricing for approved applications will take effect on 1 July the following year.

Endeavour Energy reserves the right to reassign a Standard Pricing Option to a *connection point*, effective from the beginning of the next *billing cycle*, if it is discovered that the *connection point* no longer satisfies any of the aforementioned criteria.

Site Specific Demand TOU tariffs consist of the following pricing components:

- Network Access Charge (NAC);
- Time of Use energy consumption charges; and
- Demand charges.

1.5 Tariff Pricing Components

1.5.1. Network Access Charge (NAC)

A Network Access Charge (NAC) is a fixed daily charge for each *connection point* connected to the Endeavour Energy *distribution system*, i.e. per National Metering Identifier (NMI). More than one NAC may apply per NMI if there is more than one Pricing Option applicable to that NMI.

1.5.2. Energy Consumption Charges

1.5.2.1. Single Energy Consumption Charge

A tariff with a single energy consumption charge consists of a single energy rate expressed on a ¢/kWh basis, to be applied to all electricity consumption (kWh).

1.5.2.2. Block Tariff Energy Consumption Charges

Block Tariff (BT) energy consumption charges comprise two or more variable energy components as set out below:

Domestic BT supply tariffs

- a First Block Rate, expressed on a ¢/kWh basis, to be applied to electricity consumption (kWh) up to and including 1,000 kWh per quarter;
- a Second Block Rate, expressed on a ¢/kWh basis, to be applied to electricity consumption (kWh) greater than 1,000 kWh per quarter and up to and including 1,750 kWh per quarter; and
- a Third Block Rate, expressed on a ¢/kWh basis, to be applied to all electricity consumption (kWh) in excess of Block 2.

General Supply and unmetered BT supply tariffs

- a First Block Rate, expressed on a ¢/kWh basis, to be applied to electricity consumption (kWh) up to and including 2,500 kWh per quarter; and
- a Second Block Rate, expressed on a ¢/kWh basis, to be applied to all electricity consumption (kWh) in excess of Block 1.

1.5.2.3. Time of Use Energy Consumption Charges

Time of Use energy consumption charges comprise of three variable energy components as set out below:

1) a Peak Energy rate, expressed on a ¢/kWh basis, to be applied to the consumption of electricity during the Peak period;
2) a Shoulder Energy rate, expressed on a ¢/kWh basis, to be applied to the consumption of electricity during the Shoulder period; and

3) an Off-peak Energy rate, expressed on a ¢/kWh basis, to be applied to the consumption of electricity during the Off-peak period.

1.5.3. Demand Charges

Demand charges comprise two variable demand components as set out below of:

1) a High-Season Peak Demand rate, expressed on a $/maximum kVA/month basis, applied to the consumption of electricity during the High-Season Peak period; and
2) a Low-Season Peak Demand rate, expressed on a $/maximum kVA/month basis, applied to the consumption of electricity during the Low-Season Peak period.

1.5.4. Generated Energy Charges (credit)

The Generated Energy Charge (credit) consists of a single Generated Energy rate expressed on a ¢/kWh basis, to be applied to the applicable generated energy (kWh) billing quantity.

1.6 Billing Calculations

1.6.1. Network Access Charges

A Network Access Charge (NAC) is applicable to all *customers* (with the exception of Unmetered Pricing Option *customers*) and is payable for each day of the term of your *customer connection contract* with Endeavour Energy. The amount that your *retailer* must pay Endeavour Energy, is calculated by multiplying the appropriate GST-inclusive "per day" NAC by the relevant number of days.

The NAC is applied as a fixed daily charge for each *connection point* connected to the Endeavour Energy *distribution system*, i.e. per National Metering Identifier (NMI). More than one NAC may apply per NMI if there is more than one Pricing Option applicable to that NMI.

Where Endeavour Energy is allowed by the AER to vary certain charges and rates, those variations may become effective part way through a *billing cycle*. The NAC amount which each *customer* must pay under the old rates, and under the new rates, is calculated on a pro-rata basis.

The pro-rated NAC, in respect of the applicable NAC rate for each part of the *billing cycle* (after the increase becomes effective) is calculated as follows:

$$N_C = n \times t$$

Where:

N_C = pro-rated NAC
n = NAC ($/day)
t = number of days with the relevant NAC to be invoiced

For example, assume the *customer* has a quarterly *billing cycle*, and the NAC price increase is effective on the 31st day of a 92 day *billing cycle*. Assuming the relevant Pricing Option's NAC is 0.30 $/day before and 0.35 $/day after the increase:

For the first 30 days, the *customer* would be charged as follows:

0.30 $/day x 30 = $9.00

For the last 62 days, the *customer* would be charged as follows:

0.35 $/day x 62 = $21.70

1.6.2. Energy Consumption Charges

An energy consumption charge is applicable to all *customers* where energy consumption occurs.

The amount that your *retailer* must pay Endeavour Energy, is calculated by multiplying the appropriate GST-inclusive "per kWh" price by the amount of electricity consumed (based on Endeavour Energy's measurement or, in certain limited circumstances, Endeavour Energy's estimate, of your consumption) at each separately metered *connection point*.

Where Endeavour Energy is allowed by the AER to vary certain charges and rates, those variations may become effective part way through a *billing cycle*. The amount which each *customer* must pay for consumption under the old rates and for consumption under new rates is calculated on a pro-rata basis.

1.6.2.1. Single Energy and TOU Energy Consumption Charges

The pro-rated energy consumption charge, in respect of the applicable energy rate for each part of the *billing cycle* (after the increase becomes effective) is calculated as follows:

$$E_{CS} = E_M \times e \times (t/T)$$

Where:

E_{CS} = pro-rated energy consumption charge
E_M = total consumption (kWh) recorded for the billing cycle
e = energy rate (¢/kWh)
t = number of days with the relevant Energy Rate to be invoiced
T = number of days in the billing cycle

For example, assume the *customer* has a quarterly *billing cycle*, and an increase in the energy rate is effective on the 31st day of a 92 day *billing cycle*. The *customer's* energy consumption for the entire *billing cycle* was 920 kWh. Assuming the relevant energy rate is 10.00 ¢/kWh before and 9.00 ¢/kWh after the price change:

For the first 30 days, the *customer* would be charged as follows:
920 kWh x 10.00 ¢/kWh x (30/92) = $30.00

For the last 62 days, the *customer* would be charged as follows:

920 kWh x 9.00 ¢/kWh x (62/92) = $55.80

1.6.2.2. BT Energy Consumption Charges

To determine the quantity of electricity consumption (kWh) to be applied against each of the first block rate, second block rate and the third block rate, the Average Daily Consumption is compared against the Daily Threshold(s).

The portion of the Average Daily Consumption less than or equal to the Daily Threshold Level for the First Block is billed the First Block Rate, the portion of the Average Daily Consumption greater than the Daily Threshold Level for the First Block and less than or equal to the Daily Threshold Level for the Second Block is billed the Second Block Rate with the remainder of the Average Daily Consumption to be billed the Third Block Rate.

The Average Daily Consumption is calculated as follows:

$$E_A = E_M / T$$

Where:

E_A = Average Daily Consumption (kWh)
E_M = total consumption (kWh) recorded for the *billing cycle*
T = number of days in the *billing cycle*

If during the *billing cycle* there is a change in pricing or with the threshold level(s) due either to a change in threshold levels or the number of days in the financial year, then a Daily Threshold Level for each part of the *billing cycle* is required. The Daily Threshold Level is calculated as follows:

$$L_1 = L_{Q1} \times 4 / D$$
$$L_2 = L_{Q2} \times 4 / D$$

Where:

L_1 = Daily Threshold Level for the First Block (kWh)
L_2 = Daily Threshold Level for the Second Block (kWh)
L_{Q1} = Quarterly Threshold Level for the First Block (kWh)
L_{Q2} = Quarterly Threshold Level for the Second Block (kWh)
D = number of days in the pricing year

The pro-rated energy consumption charge, in respect of the applicable energy rate(s) for each part of the *billing cycle* (after the increase becomes effective) is calculated as follows:

If the Average Daily Consumption is less than or equal to the Daily Threshold Level for the First Block:

$$E_C = E_A \times P_1 \times t$$

If the Average Daily Consumption is greater than the Daily Threshold Level for the First Block and less than or equal to the Daily Threshold Level for the Second Block:

$$E_C = (L_1 \times P_1 \times t) + ((E_A - L_1) \times P_2 \times t)$$

If the Average Daily Consumption is greater than the Daily Threshold Level for the Second Block:

$$E_C = (L_1 \times P_1 \times t) + ((L_2 - L_1) \times P_2 \times t) + ((E_A - L_2) \times P_3 \times t)$$

Where:

E_C = pro-rated BT energy consumption charge
E_A = Average Daily Consumption (kWh)
L_1 = Daily Threshold Level for the First Block (kWh)
L_2 = Daily Threshold Level for the Second Block (kWh)
P_1 = energy rate for the First Block (¢/kWh)
P_2 = energy rate for the Second Block (¢/kWh)
P_3 = energy rate for the Third Block (¢/kWh)
t = number of days with the relevant energy rate to be invoiced

For example, assume a Domestic BT *customer* has a quarterly *billing cycle*, and an change in energy rate(s) is effective on the 31st day of a 90 day *billing cycle* and the energy consumption for the *billing cycle* was 1,800 kWh.

Assume also that the change in energy rates is accompanied by a change in threshold levels with the introduction of a new quarterly threshold at 1,000 (kWh), to go with the existing quarterly threshold level of 1,750 (kWh). In addition, the pricing year containing the new prices is a leap year with 366 days, rather than the standard year of 365 days.

Assume the energy rate is 10.0 ¢/kWh for Block 1 and 12.0 ¢/kWh for Block 2 before the increase and 9.0 ¢/kWh for Block 1, 8.0 ¢/kWh for Block 2 and 7.0 ¢/kWh for Block 3 after the price change.

Table 1: BT Energy Consumption Charges

Pricing Period	Quarterly Threshold 1 (kWh)	Quarterly Threshold 2 (kWh)	Days in Pricing Year	No Days	Consumption (kWh)	Block 1 (c/kWh)	Block 2 (c/kWh)	Block 3 (c/kWh)
(1) Old	1,750	9,999,999 (*1)	365	30	600	10.0	12.0	
(2) New	1,000	1,750	366	60	1,200	9.0	8.0	7.0
Billing cycle				90	1,800			

(*1) Where the block tariff only has 1 threshold, it is assumed that any second or higher thresholds are set at a level that will never be reached by consumption levels.

Average Daily Consumption = 1,800 / 90
= 20 kWh / day

Daily Threshold Level

Pricing Period (1) Threshold 1 = 1,750 * 4 / 365
= 19.1781 kWh / day

Pricing Period (2) Threshold 1 = 1,000 * 4 / 366
= 10.9289 kWh / day

Pricing Period (2) Threshold 2 = 1,750 * 4 / 366
= 19.1256 kWh / day

For both pricing periods, the Average Daily Consumption is greater than the Daily Threshold Levels calculated above, so the BT Energy Consumption Charge is calculated as follows:

Pricing Period (1) = Block 1 charge + Block 2 charge
= 19.1781 kWh x 10.0 ¢/kWh x 30
+ (20.0 – 19.1781) kWh x 12.00 ¢/kWh x 30
= $60.49

Pricing Period (2)	= Block 1 charge + Block 2 charge + Bock 3 charge = 10.9289 kWh x 9.0 ¢/kWh x 60 + (19.1256 – 10.9289) kWh x 8.00 ¢/kWh x 60 + (20.0 – 19.1256) kWh x 7.00 ¢/kWh x 60 = $102.03
Energy Charge	= 60.49 + $102.03 = $162.52

1.6.3. Demand Charges

A demand charge is applicable to all *customers* on a Demand TOU Pricing Option in respect of the demand for electricity their *connection points* place on the *distribution system*.

The amount that the *retailer* must pay Endeavour Energy is calculated by multiplying the appropriate GST-inclusive "per kVA" price by the amount of electricity consumed (based on Endeavour Energy's measurement or, in certain limited circumstances, Endeavour Energy's estimate, of your demand) at each separately metered *connection point*.

All *connection points* on a Demand TOU Pricing Option have a calendar month *billing cycle*. A monthly demand charge is payable, based on the highest demand (kVA), which occurred within any half hour interval of that month falling into a time period defined as 'Peak'.

The demand charge is calculated as follows:

$$D_c = D_M \times d$$

Where:

D_c = demand charge for the month
D_M = chargeable demand (kVA) recorded in respect of the *connection point*.
d = demand rate ($/kVA/month) according to the season.

Where Endeavour Energy is allowed by the AER to vary certain charges and rates, those variations may become effective part way through a *billing cycle*. The amount which each *customer* must pay for demand under the old rates and for demand under the new rates is calculated on a pro-rata basis.

1.6.3.1. Demand Pro-ration Rules

If a *customer* changes their *retailer* part way through a month, the demand charge will be calculated (based on the chargeable demand) for the entire month for the *connection point* and then the charge pro-rated to each *retailer* accordingly.

The pro-rated demand charge for each *retailer* for each month is calculated as follows:

$$D_P = D_M \times d \times (t/T)$$

Where:

D_P = pro-rated demand charge to the *retailer* for the month
D_M = chargeable demand (kVA) recorded in respect of the connection point.
d = demand rate ($/kVA/month)
t = number of days with the relevant retailer to be charged
T = number of days in the entire month

For example, assume a *customer* transfers from r*etailer* 1 (R1) to *retailer* 2 (R2) effective from the 2nd day of January. The chargeable demand for the entire month of January is 310 kVA, and the applicable Pricing Option's demand rate is $10.00/kVA/month.

R1 would be calculated as follows:
310 kVA x 10.00 $/kVA x (1/31) = $100.00

R2 would be calculated as follows:
310 kVA x 10.00 $/kVA x (30/31) = $3,000.00

Similar pro-rating calculations would occur for each part of the *billing cycle* with a mid-*billing cycle* rate change.

1.6.3.2. Demand Metering

Demand is treated as a component of the Data Stream of Interval Metering Data, in accordance with Section 7 of AEMO procedure 0610-0008. For the purpose of this Price List, the following definitions are considered equivalent:

Table 2: Demand Metering Definitions

AEMO			Endeavour Energy	
Energy Flow Definition	**NMI Master Channel Suffix**	**Quadrants covered**	**Energy (or Power) Flow Definition**	**Corresponding Load or Phase Angle φ in degrees**
Import kWh	B	2, 3	Effective, generated	180˚
Export kWh	E	1, 4	Effective, consumed	0˚
Import kVARh	K	3, 4	Reactive, generated	Leading (Capacitive)
Export kVARh	Q	1, 2	Reactive, consumed	Lagging (Inductive)

For a particular NMI, the Demand Charge for a month is based on the demand (kVA) calculated for every metering interval during that month.

Let NEEEXXXXXX be a NMI with i feeders.
Let E1, …, Ei be the kWh channels for each feeder.
Let K1, …, Ki be the leading kVARh channels for each feeder.
Let Q1, …, Qi be the lagging kVARh channels for each feeder.

The kVA for each interval (usually half an hour) is calculated as follows:

$$kVA = m \times \sqrt{(\sum E_n)^2 + (\sum (Q_n - K_n))^2}$$

Where m is the number of metering intervals in an hour (usually m = 2 within the NEM)

For *connection points* fitted with an 'EMAIL Q3' meter, the measurement of reactive energy is predefined in the configuration of that particular meter as the addition of lagging and leading components. Common practice is to identify this measurement as Q, in these instances the kVA for each half-hour interval is calculated as.

$$kVA = m \times \sqrt{(\sum E_n)^2 + (\sum Q_n)^2}$$

The resultant kVA for sites metered with an 'EMAIL Q3' meter is in real terms equivalent to:

$$kVA = m \times \sqrt{(\sum E_n)^2 + (\sum (Q_n + K_n))^2}$$

For *connection points* covered by the *connection contract*, the difference in the above computations is not significant, as either Q or K (usually K) is nil.

1.6.4. Generated Energy Calculation

Where the Generated Energy rates change, the variation may become effective part way through a *billing cycle*. The amount of the generated energy charge (credit) under the old rates and the new rates is calculated on a pro-rata basis.

The pro-rated amount, in respect of the applicable Generated Energy rate for each part of the *billing cycle* (after the change becomes effective) is calculated as follows:

$$E_G = E_M \times e \times (t/T)$$

Where:

E_G = pro-rated Generated Energy charge (credit)
E_M = generated energy billing quantity (measured in kWh)
e =generated energy credit (¢/kWh)
t = number of days with the relevant generated energy rate to be invoiced
T = number of days in the *billing cycle*

For example, assume the *customer* has a quarterly *billing cycle*, and the change in the generated energy rate is effective on the 31st of a 92 day *billing cycle*. The *customer's* generated energy for billing purposes for the entire *billing cycle* was 460 kWh. Assuming the relevant generated energy rate is 12.30 ¢/kWh before and 0.00 ¢/kWh after the change:

For the first 30 days, the generated energy credit is calculated as follows:
460 kWh x 12.30 ¢/kWh x (30/92) = $18.45

For the last 62 days, the generated energy credit is calculated as follows:
460 kWh x 0.00 ¢/kWh x (62/92) = $0.00

1.7 Network Pricing Definitions

1.7.1. Time of Day

1.7.1.1. Domestic TOU

For Domestic TOU Pricing Options 'Peak', 'Shoulder' and 'Off-Peak' periods are based on the following time periods and apply during both Eastern Standard Time (EST) and Daylight Saving Time (DST):

Business Days

Peak:	13:00 – 20:00
Shoulder:	07:00 – 13:00 & 20:00 – 22:00
Off-Peak:	All other times.

Non-*business Days*

Off-Peak:	All other times.

1.7.1.2. General Supply TOU and Demand TOU

For General Supply TOU, Demand TOU and all other TOU Pricing Options, 'Peak', 'Shoulder' and 'Off-peak' periods are based on the following time periods and apply during both Eastern Standard Time (EST), and Daylight Saving Time (DST):

Business Days

Peak:	13:00 – 20:00
Shoulder:	07:00 – 13:00 & 20:00 – 22:00
Off-Peak:	All other times.

Non-*business Days*

Off-Peak:	All other times.

1.7.2. Seasons

The following seasons apply to all Demand TOU Pricing Options:

High Season Demand Period:

Summer	Nov to Mar
Winter	Jun to Aug

Low Season Demand Period:

Other Months	Sep to Oct
Other Months	Apr to May

1.7.3. Public Holidays

The following public holidays are deemed to be non-*business days*: New Year's Day, Australia Day, Good Friday, Easter Monday, Anzac Day, Queen's Birthday, Labour Day, Christmas Day, Boxing Day, and other gazetted public holidays in NSW.

All other non-gazetted holidays, such as bank holidays and other local holidays, are deemed to be *business days*.

Endeavour Energy reserves the right to declare (or decline) additional holidays for the purpose of charging for network use of system services.

1.7.4. GST

Both GST inclusive and GST exclusive Network Rates are shown in the pricing tables. At the time of this publication the applicable GST was 10%.

1.7.5. Distribution Loss Factors

Distribution Loss Factor (DLF) codes and values are published by the Australian Energy Market Operator (AEMO). The DLF factor is used by a *retailer* to increase the *customer's* metered energy amount to account for electrical losses in the *distribution system*.

1.7.6. NMI

Endeavour Energy issues a National Metering Identifier (NMI) for each *connection point* in accordance with the relevant AEMO procedure. Endeavour Energy then invoices for *customer connection services* and network use of system services provided at each of those *connection points* using the applicable pricing option.

1.7.7. Voltages of Supply

Endeavour Energy reserves the right to determine the voltage of supply for a particular *customer* based on the size and nature of the load to be connected. Voltage levels referred to in the prices are:

- Low Voltage (LV) - nominally 230 / 400 V;
- High Voltage (HV) - nominally 12.7 kV SWER, 11 or 22 kV; and
- Sub-transmission (ST) - 33, 66 or 132 kV.

1.7.8. Daylight Saving Time

In order to maintain the same time limits during both Eastern Standard Time (EST) and Daylight Saving Time (DST), billing data is adjusted by shifting the data forward an hour to accommodate for the time shift during DST.

This means that at the start of DST (2am on Sunday) there will be an hour of null data when the time is shifted forwards an hour from EST to DST. Also, data for the period 23:00 to 24:00 in EST will be recorded the following day for the period 00:00 to 01:00 DST.

When DST ends, the time will move back an hour and there will be two sets of hourly data for the period from 02:00 until 03:00, one set generated in DST and the second set generated after the time shift in EST. This data is aggregated for the purposes of billing the "per kWh" charge, but not for Demand Charge calculations.

The table below represents how the data is shifted for DST. The value in each cell (1 to 24) is the period of the day in EST.

Table 3: Daylight Saving Data Shift

	00:00 to 01:00	01:00 to 02:00	02:00 to 03:00	03:00 to 04:00	(etc)	20:00 to 21:00	21:00 to 22:00	22:00 to 23:00	23:00 to 24:00
EST	1	2	3	4	(etc)	21	22	23	24
DST day 1	1	2	NULL	3	(etc)	20	21	22	23
DST	24	1	2	3	(etc)	20	21	22	23
EST day 1	24	1	2 3	4	(etc)	21	22	23	24

The first row represents a normal EST day.
The second row represents day one of DST. Note that the first two hours of the day are the same as EST. At 2am, when DST begins, the data is shifted forward one hour, resulting in a null value for the period between 02:00 and 03:00. Following that, all data is shifted forward one hour as compared to EST.

The third row represents a normal DST day. The data from the last hour of the previous day in EST is used as the data for the first hour of the following day in DST.

The final row of the table represents the day when DST switches back to EST. The first three hours are as per normal DST days, then at 3am EST begins, which means there is a time shift back one hour. Therefore data is recorded for the period 02:00 to 03:00 for both DST and EST. This data is aggregated for the purpose of billing the energy (per kWh) component of the network charge, but not for the Demand Charge component. After 3am, data is recorded and billed as per normal for EST.

Note that while there is less total consumption during the first day of the DST period, this is made up for when the switch back to EST occurs.

1.8 Treatment of import/export power flows

In the situation where an end-use *customer* generates into (Import Energy), as well as consumes energy from (Export Energy), Endeavour Energy's *distribution system*, network use of system services charges apply to the energy consumed by the *customer*. The energy generated back into Endeavour Energy's *distribution system* (Import Energy) is not recognised for network use of system services purposes, unless it is covered under a specific agreement.

Network use of system charges are based on Export Energy only. Import Energy will not be subtracted from the Export Energy.

This policy also extends to Demand Charges with Import Demand not subtracted from Export Demand when calculating network use of system services charges.

Furthermore, metering shall be configured so that reactive energy is measured only when associated with energy consumed by the *customer* (Export Energy).

1.9 Embedded Generators

Any *connection point* that connects a generator to the Endeavour Energy *distribution system* must have an active network use of system services account, as Endeavour Energy will invoice a Network Access Charge for such a *connection point,* irrespective of whether or not an Import of energy, occurs at the *connection point* during the *billing cycle*.

In cases where a High Voltage or Sub-transmission *connection point* exists primarily to connect a generator to the Endeavour Energy *distribution system*, and if energy consumed at that same *connection point* is less than five per cent of the energy generated during any *billing cycle*, then Endeavour Energy may apply a General Supply Time Of Use Network Pricing Option, to that *connection point*.

However, if the *connection point* in question exceeds the level given above, for more than two months during any period of twelve months, Endeavour Energy reserves the right to assign a Standard High Voltage or Sub-transmission Demand Time of Use Network Pricing Option to it, effective from the beginning of the next *billing cycle*.

1.10 Controlled Load Appliances, Terms and Conditions

Important Note: Any plugs and/or sockets are not permitted in any Controlled Load circuit under any circumstances.

1.10.1. Controlled Load 1

The Controlled Load 1 Pricing Option applies where specified appliances are controlled by Endeavour Energy's equipment or a Meter Provider's equipment that has the approval of the General Manager – Asset Management, so that supply may not be available between 7:00am and 10:00pm during Eastern Standard Time (EST) and Daylight Saving Time (DST). Supply will be made available for selected periods between 10:00pm and 7:00am (EST and DST).

1.10.1.1. Storage Water Heaters

In relation to a heating unit in a storage water heater, the following additional conditions must all be met:

a) the rated hot water delivery of the storage water heater is not less than 100 litres, unless otherwise approved by the General Manager - Asset Management;
b) Endeavour Energy's equipment or a Meter Provider's equipment that has the approval of the General Manager – Asset Management controls the supply of electricity to the heating unit in the storage heaters;
c) the operation of any booster heating unit is controlled in such a way that simultaneous operation with the main heating units is not possible; and
d) unless otherwise approved by the General Manager - Asset Management, heating units must be arranged as multiples of 4.8 kW in accordance with the following table:

Table 4: Storage Water Heater Conditions

Rated Hot Water Delivery (in Litres)	Number and Rating of Heating Elements
Up to and including 400	1 x 4.8 kW
Above 400 and not exceeding 630	2 x 4.8 kW
Above 630	As necessary to provide the full amount of heat in approximately 8 hours, but in any case not more than 20 watts / litre rated hot water delivery.

Note: The above requirements may be varied where a Controlled Load element is provided as a booster for a solar water heater. Controlled Load elements are available to Domestic and General Supply small retail *customers*.

1.10.1.2. Other Appliances

In relation to swimming pool pumps, pool heating equipment, dishwashers, clothes dryers, washing machines, thermal storage, space heaters (heat banks), under floor heating, ice storage systems, electric vehicle chargers and other appliances, the following additional conditions must all be met:

a) each appliance is permanently connected to the fixed wiring;
b) all Controlled Load circuits originate at the meter board and are controlled by Endeavour Energy's equipment or a Meter Provider's equipment that has the approval of the General Manager – Asset Management so that supply is available during specified Controlled Load hours; and
c) for pool heating, the equipment rating shall not exceed 520 watts per square metre of the water surface, unless approved by the General Manager - Asset Management.

1.10.1.3. Noise Control

Local councils may impose conditions relating to the use or operation of equipment causing offensive noise. Air conditioners, swimming pool pumps and heat pump motors may be subject to such conditions and *customers* should consult the local council before arranging for such equipment to operate at night on Controlled Load.

1.10.1.4. Transfer Between Pricing Options

A switch that transfers equipment normally supplied as a Controlled Load to another Pricing Option is not permissible.

1.10.1.5. Existing Installations

Storage water heaters and thermal storage space heaters previously approved for connection as a Controlled Load will continue to be eligible for supply under the Controlled Load 1 Pricing Option.

1.10.1.6. Application of Controlled Load 1 Pricing Option

The Controlled Load 1 Pricing Option is only available to a *connection point* utilising the Domestic or the General Supply Non Time of Use Pricing Option.

1.10.1.7. Single Person and Dual Occupant Aged Person Accommodation

Notwithstanding the rated hot water delivery requirements of the Controlled Load 1 Pricing Option, in the case of single and dual occupant aged person accommodation owned and controlled by the NSW Department of Housing, or some institution/charity as defined by the General Manager - Asset Management, the minimum rated hot water delivery may be reduced in accordance with the following table:

Table 5: Minimum Hot Water Delivery Rating – Controlled Load 1

Number of Occupants in Property	Minimum Hot Water Delivery Rating	Minimum Kilowatt Rating
1	80 litres	3.6 kW
2	125 litres	3.6 kW

1.10.2. Controlled Load 2

The Controlled Load 2 Pricing Option applies where specified appliances are controlled by Endeavour Energy's equipment or a Meter Provider's equipment that has the approval of the General Manager – Asset Management, so that electricity is available for restricted periods not exceeding 17 hours in any period of 24 hours.

The same terms, conditions and restrictions as listed for Controlled Load 1 are applicable for Controlled Load 2, with the following exceptions:

a) The Controlled Load 2 Pricing Option can be applied to an electric heat pump with a minimum tank size of 250 litres, but that pump cannot be consequently transferred to the Controlled Load 1 Pricing Option; and
b) Special conditions applicable to single person and dual occupant aged person accommodation set out in the following table replace the conditions applicable to Controlled Load 1:

Table 6 : Minimum Hot Water Delivery Rating – Controlled Load 2

Number of Occupants in Property	Minimum Hot Water Delivery Rating	Minimum Kilowatt Rating
1 or 2	80 litres	3.6 kW

1.10.2.1. Application of Controlled Load 2 Pricing Option

The Controlled Load 2 Pricing Option is only available to a *connection point* utilising the Domestic or the General Supply Non Time of Use Pricing Option.

1.11 Change of Pricing Option

1.11.1. Endeavour Energy initiated change of Pricing Option

Endeavour Energy may initiate a change to a *customer's* Pricing Option if a *customer's* consumption characteristics are inconsistent with the requirements of the tariff under which they are taking supply.

An Endeavour Energy initiated change to a *customer's* Pricing Option will require Endeavour Energy to write to the impacted *customer's retailer* informing them of the proposed tariff reassignment prior to the transfer occurring. The notification letter will provide the *retailer* with:

- The reasons for the reassignment;
- The criteria by which the customer was identified for transfer;
- The opportunity to object to the reassignment prior to its actioning; and
- Notification that an alternate dispute resolution process is available should the *retailer* be dissatisfied with Endeavour Energy's proposal.

1.11.2. Retailer initiated change of Pricing Option

Retailers can apply for a change in Pricing Option in accordance with this clause. Endeavour Energy maintains it is the responsibility of the *retailer* to be aware of the needs of a customer at any time, and apply for a change in network price to Endeavour Energy as the Distribution Network Service Provider (DNSP), in an appropriate, compliant and timely manner.

The following table illustrates standard[2] Pricing Options and those Pricing Options available to *customers* who match specified criteria.

Table 7: Available Retailer initiated changes to Pricing Options

Customer Criteria			Available Pricing Options[3]	
Customer Type	**Annualised Consumption**	**Supply Voltage**	**Standard**	**Alternate (on application)**
Domestic	< 160 MWh	LV	N70, NC01 or NC02	N706 or N705
Non-Domestic	< 160 MWh	LV	N90, NC03 or NC04	N84 or N845
Non-Domestic	> 160 MWh	LV	N19	n/a
Non-Domestic	N/A	HV	N29	Site Specific
Non-Domestic	N/A	ST	N39	Site Specific

In order to submit an application for a change in Pricing Option, a *retailer* must complete electronic form FBS 3000 and email the completed form to:

CommercialTariff.Transfers@endeavourenergy.com.au

Form FBS 3000 is available upon request, from this email address.

[2] The standard Pricing Option does not constitute the default pricing option applied by Endeavour Energy upon connection. Refer to section 1.11.2.2 for further details.

[3] Metrology capable of supporting the selected Pricing Option must be in place before the change of Pricing Option can be approved.

Endeavour Energy reserves the right to not process any application if form FBS 3000:

- is not sent to the specified email address; or
- has missing or incomplete data; or
- is not in MS Excel format.

Please note that:

- For published tariffs, Endeavour Energy requires a minimum of 30 days notice, prior to the end of the *billing cycle* to which the new Network Pricing Option is intended to apply, in order to process the application.
- Applications requesting a new Site Specific Pricing Option, or a change to an existing Site Specific tariff, must be submitted by 30 September. Pricing for approved applications will take effect on 1 July the following year.
- If an application for a change to a different Controlled Load Pricing Option is less than 12 months after the effective date of the preceding application, a fee may be payable.
- Endeavour Energy will not accept any application not filed by a *retailer*, for example applications from consultants or directly from *customers*.
- Endeavour Energy reserves the right to not process any application which includes any NMI where the *retailer* filing that application is not the current *retailer*, or for which no corresponding transfer of *retailer* request is found in MSATS, at the time the application is received by Endeavour Energy.
- Endeavour Energy reserves the right to not process any application which includes any NMI where a change to the Metering Installation (refer Australian Energy Market Operator Metrology Procedures) has been made, but the Metering Provider / Accredited Service Provider carrying out that change has yet to lodge a Notification of Service Works with Endeavour Energy.
- The required metering metrology must be in place before the application for a change of Pricing Option can be approved.
- Demand TOU Pricing Options at any voltage of supply require an interval meter to be installed at the *customer's* premises by a Metering Provider.
- The selected pricing option for each NMI must match explicitly with the *customer* criteria as indicated in the preceding table. The transitional tariff N89 is not available on application.
- A *customer* can only move away from the Low Voltage Demand TOU tariff (N19) if a history of consistently low consumption (less than 160MWh pa) over the twelve months preceding the date of the application can be established in a manner satisfactory to Endeavour Energy. In this event the choice of Pricing Option is limited to the General Supply TOU (N84) tariff.
- Controlled Load conversions are not part of this process.

1.11.2.1. Backdating of Tariff Requests

Endeavour Energy does not backdate any change in network pricing in cases where a *retailer* (or the Metering Provider, or the Accredited Service Provider (ASP), acting on behalf of the *retailer*) fails to adhere to the process outlined in clause 1.11.2.

1.11.2.2. Default Pricing Option for Low Voltage Non-Domestic Customers

The General Supply BT (N90) is the default tariff for all NMIs relating to low voltage non-domestic *customers* including new (i.e. greenfield) sites and will be applied regardless of TOU / Demand metering metrology installed or expected future consumption.

Tariff N90 will be applied until such time as a change in Pricing Option is effected in accordance with clause 1.11 (as initiated by Endeavour Energy or the *retailer*).

If, however for new (i.e. greenfield) sites, Endeavour Energy receives an application from the *retailer* at least 30 days before the NMI is energised, then consideration will be given to placing the NMI directly onto the requested tariff providing the following conditions are met:

- Appropriate TOU / Demand metering metrology are in place for TOU and/or Demand based tariffs; and
- The expected energy consumption falls within the consumption band required by the requested tariff.

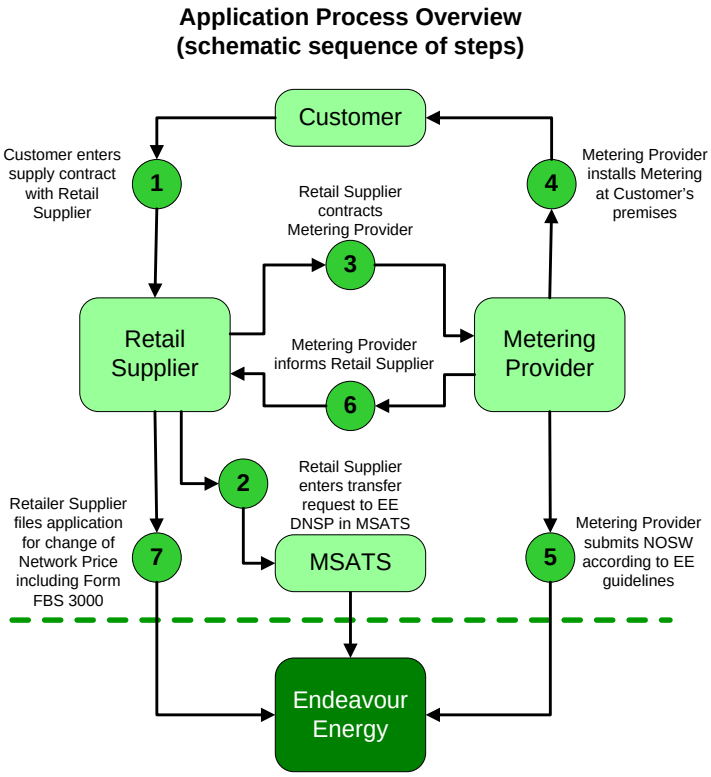
If provisional approval is granted, the application can only be finalised when Endeavour Energy receive the first metering data after energisation confirming that the required metrology is in place.

For *customers* consuming > 160MWh per annum, it is the responsibility of the *customer* to enter into a contract with a Metering Provider to arrange for the installation of a suitable interval meter.

1.11.2.3. Application Process Overview

The following diagram provides a schematic process overview of the steps which must be completed prior to the filing of the "Application for a Change of Pricing" (Step 7). The numerals indicate the sequence in which the individual steps are carried out.

Figure 1: Application process overview



1.11.3. Tariff Requests for Embedded Networks

Registered embedded networks involve onselling energy to electricity customers connected to a private network which is in turn connected to Endeavour Energy's network. The registered embedded network typically has a single revenue metering location established on the incoming supply. This single revenue metering location is often referred to as the parent or gate metering point. Registered embedded networks can be shopping centres, retirement villages or office buildings.

A typical brownfield registered embedded network is established when:

- An existing multi-occupancy site elects to establish a registered embedded network for the purpose of on selling energy where one or more of the occupants seek retailer of choice instead of purchasing electricity from the embedded network operator. Prior to establishing the registered embedded network, the end use consumers are considered to be connected directly to the Endeavour Energy's distribution network so that all consumers have NMIs registered in MSATS.
- the brownfield registered embedded network is established, and a parent metering point has been registered, the NMIs of consumers originally considered to be connected to the Endeavour Energy distribution network are no longer “energised” and are made extinct in MSATS. Any consumers seeking retailer of choice can be registered with Child NMIs of the registered embedded network and needs to arrange this through the embedded network operator.

For parent NMIs, created for the purpose of registering an embedded network, the retailer may apply for a specific network tariff to be assigned from the commencement date. Prior to the commencement date of the registered embedded network, the retailer must complete electronic form FBS 4000 and email the completed form to:

CommercialTariff.Transfers@endeavourenergy.com.au

Form FBS 4000 is available upon request, from this email address.

Endeavour Energy will notify the retailer if their application has been successful.

Endeavour Energy maintains it is the responsibility of the retailer to be aware of the needs of a customer at any time, and apply for a tariff request for embedded networks, to Endeavour Energy as the Distribution Network Service Provider (DNSP), in an appropriate, compliant and timely manner.

If form FBS 4000 is not received before the commencement date of the embedded network, Endeavour Energy's default tariff for low voltage non domestic *customers*, General Supply BT (N90), will be applied.

1.12 Network Price Tables

1.12.1. Table 1 - Standard Pricing

Prices effective 1 July 2017

Endeavour Energy 2017/18 Standard Network Prices	Network Tariff Code	Service Rate	Network Access Charge		Energy Rate												High Season Demand Rate (Summer & Winter)		Low Season Demand Rate (Other Months)	
			$ / day		Non-Time Of Use Block 1 ¢ / kWh		Non-Time Of Use Block 2 ¢ / kWh		Non-Time Of Use Block 3 ¢ / kWh		Time Of Use Peak ¢ / kWh		Time Of Use Shoulder ¢ / kWh		Time Of Use Off-Peak ¢ / kWh		Time Of Use Peak-only $ / kVA / month		Time Of Use Peak-only $ / kVA / month	
			Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST
Residential (BT)	**N70**	*EN70*	0.3360	0.36960	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458										
Controlled Load 1 (Off-Peak 1)	**N50**	*EN50*	0.0277	0.03047	0.5410	0.59510														
Controlled Load 2 (Off-Peak 2)	**N54**	*EN54*	0.0277	0.03047	2.6225	2.88475														
Residential TOU, Type 5 Meter	**N705**	*N705*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689				
Residential TOU, Type 6 Meter	**N706**	*N706*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689				
General Supply Non-TOU (BT)	**N90**	*EN90*	0.4807	0.52877	8.9532	9.84852	9.0718	9.97898												
General Supply TOU	**N84**	*EN84*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027				
General Supply TOU, Type 5 Meter	**N845**	*N845*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027				
Transitional General Supply TOU*	**N89**	*EN89*	18.7290	20.60190							15.7393	17.31323	9.3398	10.27378	2.1486	2.36346				
LV Demand TOU	**N19**	*EN19*	18.7290	20.60190							3.8715	4.25865	2.8172	3.09892	1.2287	1.35157	10.0320	11.03520	8.8006	9.68066
HV Demand TOU	**N29**	*EN29*	31.3911	34.53021							2.8330	3.11630	2.2926	2.52186	0.9930	1.09230	8.7646	9.64106	7.6210	8.38310
ST Demand TOU	**N39**	*EN39*	49.3495	54.28445							2.4257	2.66827	1.9580	2.15380	0.9428	1.03708	7.0441	7.74851	6.1702	6.78722

IMPORTANT NOTES:

* = This is a Transitional Network Tariff applicable to selected customers with annual consumption > 160 MWh. It is not available on application.

Network Tariff codes prefixed 'N' may appear on an invoice with a prefix 'EN'.
For Residential Block Tariffs, Block 1 applies to the first 1,000 kWh per quarter. Block 2 applies to consumption greater than 1,000 kWh and less than 1,750 kWh per quarter. Block 3 applies to all consumption in excess of Block 2.
For General Supply Block Tariffs, Block 1 applies to the first 2,500 kWh per quarter. Block 2 applies to all consumption in excess of Block 1.

The network prices in this table are inclusive of transmission passthrough charges and recovery of the NSW Climate Change Fund contribution.

NETWORK TARIFFS

1.12.2. Table 2 – Small Non-market Generation Pricing

Prices effective 1 July 2017

Endeavour Energy 2017/18 Network Prices for Small Non-Market Generation	Network Tariff Code	Service Rate	Network Access Charge		Energy Rate												High Season Demand Rate (Summer & Winter)		Low Season Demand Rate (Other Months)		Generated Energy Rate (Credit)	
			$ / day		Non-Time Of Use Block 1 ¢ / kWh		Non-Time Of Use Block 2 ¢ / kWh		Non-Time Of Use Block 3 ¢ / kWh		Time Of Use Peak ¢ / kWh		Time Of Use Shoulder ¢ / kWh		Time Of Use Off-Peak ¢ / kWh		Time Of Use Peak-only $ / kVA / month		Time Of Use Peak-only $ / kVA / month		Non-Time of Use ¢ / kWh	
			Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST
Residential (BT) Solar (Net)	**NS70**	*GN70*	0.3360	0.36960	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458											0.00	0.00
Residential (BT) Solar (Gross)	**NG70**	*NGZ7*	0.3360	0.36960	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458											0.00	0.00
Residential TOU, Type 5 Meter Solar (Net)	**NS75**	*GN75*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689					0.00	0.00
Residential TOU, Type 5 Meter Solar (Gross)	**NG75**	*GG75*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689					0.00	0.00
Residential TOU, Type 6 Meter Solar (Net)	**NS76**	*GN76*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689					0.00	0.00
Residential TOU, Type 6 Meter Solar (Gross)	**NG76**	*GG76*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689					0.00	0.00
General Supply Non-TOU (BT) Solar (Net)	**NS90**	*GN90*	0.4807	0.52877	8.9532	9.84852	9.0718	9.97898													0.00	0.00
General Supply Non-TOU (BT) Solar (Gross)	**NG90**	*NGZ9*	0.4807	0.52877	8.9532	9.84852	9.0718	9.97898													0.00	0.00
General Supply TOU Solar (Net)	**NS84**	*GN84*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027					0.00	0.00
General Supply TOU Solar (Gross)	**NG84**	*GG84*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027					0.00	0.00
General Supply TOU, Type 5 Mtr. Solar (Net)	**NS85**	*GN85*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027					0.00	0.00
General Supply TOU, Type 5 Mtr. Solar (Gross)	**NG85**	*GG85*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027					0.00	0.00
Transitional General Supply TOU Solar (Net) [1]	**NS89**	*GN89*	18.7290	20.60190							15.7393	17.31323	9.3398	10.27378	2.1486	2.36346					0.00	0.00
LV Demand TOU Solar (Net)	**NS19**	*GN19*	18.7290	20.60190							3.8715	4.25865	2.8172	3.09892	1.2287	1.35157	10.0320	11.03520	8.8006	9.68066	0.00	0.00
HV Demand TOU (Net)	**NS29**	*GN29*	31.3911	34.53021							2.8330	3.11630	2.2926	2.52186	0.9930	1.09230	8.7646	9.64106	7.6210	8.38310	0.00	0.00
ST Demand TOU (Net)	**NS39**	*GN39*	49.3495	54.28445							2.4257	2.66827	1.9580	2.15380	0.9428	1.03708	7.0441	7.74851	6.1702	6.78722	0.00	0.00
Net Solar Genaration [2]	**NESN**	*NNZO*																			0.00	0.00
Gross Solar Generation [3]	**NESG**	*NGZO*																			0.00	0.00
Generator [4]	**GENR**	*GENR*																			0.00	0.00

IMPORTANT NOTES:

Network Tariff codes prefixed 'NS' or 'NG' may appear on an invoice with the prefix 'GN' or 'GG', respectively.

For Residential Block Tariffs, Block 1 applies to the first 1,000 kWh per quarter. Block 2 applies to consumption greater than 1,000 kWh and less than 1,750 kWh per quarter. Block 3 applies to all consumption in excess of Block 2.
For General Supply Block Tariffs, Block 1 applies to the first 2,500 kWh per quarter. Block 2 applies to all consumption in excess of Block 1.

[1] This is a Transitional Network Tariff applicable to selected customers with annual consumption > 160 MWh. It is not available on application.
[2] NESN can be applied to a detented, single register, net metered installation.
[3] NESG can be applied to a single register gross metered installation.
[4] GENR can be applied to gross metered installations.

The network prices in this table (with the exception of Generated Energy) are inclusive of transmission passthrough charges and recovery of the NSW Climate Change Fund contribution.

Endeavour Energy

1.12.3. Table 3a – Obsolete Solar Bonus Scheme Tariff (Gross Metered) Pricing

Prices effective 1 July 2017

Endeavour Energy 2017/18 Network Prices for Obsolete NSW Solar Bonus Scheme Tariffs - Gross Metered	Network Tariff Code	Service Rate	Network Access Charge		Energy Rate												Generated Energy Rate (Credit)	
			$ / day		Non-Time Of Use Block 1 ¢ / kWh		Non-Time Of Use Block 2 ¢ / kWh		Non-Time Of Use Block 3 ¢ / kWh		Time Of Use Peak ¢ / kWh		Time Of Use Shoulder ¢ / kWh		Time Of Use Off-Peak ¢ / kWh		Non-Time of Use ¢ / kWh	
			Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST *
Feed-In Credit (eligible customer), Gross meter [1], 'Detented'	NFIT	*ENFI*															0.00	0.00
Feed-In Credit (eligible customer), Gross meter [2], 'Detented'	NFT2	*ENF2*															0.00	0.00
Feed-In Credit (eligible customer), Gross DR meter [3], General Supply TOU	NFTL	*ENFL*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027	0.00	0.00
Feed-In Credit (eligible customer), Gross DR meter [4], General Supply TOU	NFTM	*ENFM*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027	0.00	0.00
Feed-In Credit (eligible customer), Gross DR meter [5], Residential TOU Type 5	NFTP	*ENFP*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689	0.00	0.00
Feed-In Credit (eligible customer), Gross DR meter [6], Residential TOU Type 5	NFTQ	*ENFQ*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689	0.00	0.00
Feed-In Credit (eligible customer), Gross DR meter [7], Residential BT	NFTG	*ENFG*	0.3360	0.36960	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458							0.00	0.00
Feed-In Credit (eligible customer), Gross DR meter [8], Residential BT	NFTH	*ENFH*	0.3360	0.36960	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458							0.00	0.00
Feed-In Credit (eligible customer), Gross DR meter [9], General Supply BT	NFTJ	*ENFJ*	0.4807	0.52877	8.9532	9.84852	9.0718	9.97898									0.00	0.00
Feed-In Credit (eligible customer), Gross DR meter [10], General Supply BT	NFTK	*ENFK*	0.4807	0.52877	8.9532	9.84852	9.0718	9.97898									0.00	0.00

IMPORTANT NOTES:

Network Tariff codes may appear on an invoice with a prefix 'ENF' instead of 'NFI' or 'NFT', e.g. NFT2 appears as ENF2

For Residential Block Tariffs, Block 1 applies to the first 1,000 kWh per quarter. Block 2 applies to consumption greater than 1,000 kWh and less than 1,750 kWh per quarter. Block 3 applies to all consumption in excess of Block 2.
For General Supply Block Tariffs, Block 1 applies to the first 2,500 kWh per quarter. Block 2 applies to all consumption in excess of Block 1.

The tariffs in this table are obsolete and no new customers will be added to them. They are not available on application.

[1] This Network Tariff applies to customers with gross metering.
[2] This Network Tariff applies to customers with gross metering.
[3] This Network Tariff applies to customers with gross metering originally on General Supply TOU (N84).
[4] This Network Tariff applies to customers with gross metering originally on General Supply TOU (N84).
[5] This Network Tariff applies to customers with gross metering originally on Residential TOU (N705).
[6] This Network Tariff applies to customers with gross metering originally on Residential TOU (N705).
[7] This Network Tariff applies to customers with gross metering originally on Residential BT (N70).
[8] This Network Tariff applies to customers with gross metering originally on Residential BT (N70).
[9] This Network Tariff applies to customers with gross metering originally on General Supply BT (N90).
[10] This Network Tariff applies to customers with gross metering originally on General Supply BT (N90).

The network prices in this table (with the exception of Generated Energy) are inclusive of transmission passthrough charges and recovery of the NSW Climate Change Fund contribution.

1.12.4. Table 3b – Obsolete Solar Bonus Scheme Tariff (Net Metered) Pricing

Prices effective 1 July 2017

Endeavour Energy 2017/18 Network Prices for Obsolete NSW Solar Bonus Scheme Tariffs - Net Metered	Network Tariff Code	Service Rate	Network Access Charge		Energy Rate												Generated Energy Rate (Credit)	
			$ / day		Non-Time Of Use Block 1 ¢ / kWh		Non-Time Of Use Block 2 ¢ / kWh		Non-Time Of Use Block 3 ¢ / kWh		Time Of Use Peak ¢ / kWh		Time Of Use Shoulder ¢ / kWh		Time Of Use Off-Peak ¢ / kWh		Non-Time of Use ¢ / kWh	
			Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST *
Feed-In Credit (eligible customer), Net meter [1], 'Detented'	NFT3	*ENF3*															0.00	0.00
Feed-In Credit (eligible customer), Net meter [2], 'Detented'	NFT4	*ENF4*															0.00	0.00
Feed-In Credit (eligible customer), Net meter [3], General Supply TOU	NFT5	*ENF5*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027	0.00	0.00
Feed-In Credit (eligible customer), Net meter [4], General Supply TOU	NFT6	*ENF6*	0.5532	0.60852							14.7115	16.18265	9.6786	10.64646	5.0457	5.55027	0.00	0.00
Feed-In Credit (eligible customer), Net meter [5], Residential TOU Type 5	NFT7	*ENF7*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689	0.00	0.00
Feed-In Credit (eligible customer), Net meter [6], Residential TOU Type 5	NFT8	*ENF8*	0.3864	0.42504							14.4038	15.84418	9.4621	10.40831	5.5699	6.12689	0.00	0.00
Feed-In Credit (eligible customer), Net meter [7], Residential BT	NFT9	*ENF9*	0.3360	0.36960	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458							0.00	0.00
Feed-In Credit (eligible customer), Net meter [8], Residential BT	NFT0	*ENF0*	0.3360	0.36960	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458							0.00	0.00
Feed-In Credit (eligible customer), Net meter [9], General Supply BT	NFTA	*ENFA*	0.4807	0.52877	8.9532	9.84852	9.0718	9.97898									0.00	0.00
Feed-In Credit (eligible customer), Net meter [10], General Supply BT	NFTB	*ENFB*	0.4807	0.52877	8.9532	9.84852	9.0718	9.97898									0.00	0.00

IMPORTANT NOTES:

Network Tariff codes may appear on an invoice with a prefix 'ENF' instead of 'NFT', e.g. NFT3 appears as ENF3

For Residential Block Tariffs, Block 1 applies to the first 1,000 kWh per quarter. Block 2 applies to consumption greater than 1,000 kWh and less than 1,750 kWh per quarter. Block 3 applies to all consumption in excess of Block 2.
For General Supply Block Tariffs, Block 1 applies to the first 2,500 kWh per quarter. Block 2 applies to all consumption in excess of Block 1.

The tariffs in this table are obsolete and no new customers will be added to them. They are not available on application.

[1] This Network Tariff applies to customers with net metering ('Detented' meter) originally on Residential BT (N70), Residential TOU Type 6 (N706) or General Supply BT (N90).
[2] This Network Tariff applies to customers with net metering ('Detented' meter) originally on Residential BT (N70), Residential TOU Type 6 (N706) or General Supply BT (N90).
[3] This Network Tariff applies to customers with net metering originally on General Supply TOU (N84).
[4] This Network Tariff applies to customers with net metering originally on General Supply TOU (N84).
[5] This Network Tariff applies to customers with net metering originally on Residential TOU (N705).
[6] This Network Tariff applies to customers with net metering originally on Residential TOU (N705).
[7] This Network Tariff applies to customers with net metering originally on Residential BT (N70).
[8] This Network Tariff applies to customers with net metering originally on Residential BT (N70).
[9] This Network Tariff applies to customers with net metering originally on General Supply BT (N90).
[10] This Network Tariff applies to customers with net metering originally on General Supply BT (N90).

The network prices in this table (with the exception of Generated Energy) are inclusive of transmission passthrough charges and recovery of the NSW Climate Change Fund contribution.

Endeavour Energy

1.12.5. Table 3c – Obsolete Solar Bonus Scheme Tariff (Net Metered) Combination Pricing

Prices effective 1 July 2017

Endeavour Energy 2017/18 Network Prices for Obsolete NSW Solar Bonus Scheme Tariffs - Net Metered (Continued)	Network Tariff Code	Service Rate	Network Access Charge		Energy Rate								Generated Energy Rate (Credit)	
			$ / day		Non-Time Of Use Block 1 ¢ / kWh		Non-Time Of Use Block 2 ¢ / kWh		Non-Time Of Use Block 3 ¢ / kWh		Controlled Load Non-Time Of Use ¢ / kWh		Non-Time of Use ¢ / kWh	
			Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST *
Feed-In Credit (eligible customer), Net Combo meter [1], Residential + C.L.1	NFTC	*ENFC*	0.3637	0.40007	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458	0.5410	0.59510	0.00	0.00
Feed-In Credit (eligible customer), Net Combo meter [2], Residential + C.L.2	NFTD	*ENFD*	0.3637	0.40007	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458	2.6225	2.88475	0.00	0.00
Feed-In Credit (eligible customer), Net Combo meter [3], General Supply + C.L.1	NFTE	*ENFE*	0.5084	0.55924	8.9532	9.84852	9.0718	9.97898			0.5410	0.59510	0.00	0.00
Feed-In Credit (eligible customer), Net Combo meter [4], General Supply + C.L.2	NFTF	*ENFF*	0.5084	0.55924	8.9532	9.84852	9.0718	9.97898			2.6225	2.88475	0.00	0.00

IMPORTANT NOTES:

Network Tariff codes may appear on an invoice with a prefix 'ENF' instead of 'NFT', e.g. NFTC appears as ENFC

For Residential Block Tariffs, Block 1 applies to the first 1,000 kWh per quarter. Block 2 applies to consumption greater than 1,000 kWh and less than 1,750 kWh per quarter. Block 3 applies to all consumption in excess of Block 2.
For General Supply Block Tariffs, Block 1 applies to the first 2,500 kWh per quarter. Block 2 applies to all consumption in excess of Block 1.

The tariffs in this table are obsolete and no new customers will be added to them. They are not available on application.

[1] This Network Tariff applies to customers with net metering originally on Residential BT with Controlled Load 1 combination (NC01).
[2] This Network Tariff applies to customers with net metering originally on Residential BT with Controlled Load 2 combination (NC02).
[3] This Network Tariff applies to customers with net metering originally on General Supply BT with Controlled Load 1 combination (NC03).
[4] This Network Tariff applies to customers with net metering originally on General Supply BT with Controlled Load 2 combination (NC04).

The prices in this table (with the exception of Generated Energy) are inclusive of transmission passthrough charges and recovery of the NSW Climate Change Fund contribution.

1.12.6. Table 4 – Combination Pricing

Prices effective 1 July 2017

Endeavour Energy 2017/18 Combination Network Prices	Network Tariff Code	Service Rate	Network Access Charge		Energy Rate							
			$ / day		Uncontrolled Non-Time Of Use Block 1 ¢ / kWh		Uncontrolled Non-Time Of Use Block 2 ¢ / kWh		Uncontrolled Non-Time Of Use Block 3 ¢ / kWh		Controlled Load Non-Time Of Use ¢ / kWh	
			Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST
Residential (BT) + Controlled Load 1	**NC01**	*NC01*	0.3637	0.40007	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458	0.5410	0.59510
Residential (BT) + Controlled Load 2	**NC02**	*NC02*	0.3637	0.40007	9.0678	9.97458	9.0678	9.97458	9.0678	9.97458	2.6225	2.88475
General Supply BT + Controlled Load 1	**NC03**	*NC03*	0.5084	0.55924	8.9532	9.84852	9.0718	9.97898			0.5410	0.59510
General Supply BT + Controlled Load 2	**NC04**	*NC04*	0.5084	0.55924	8.9532	9.84852	9.0718	9.97898			2.6225	2.88475

IMPORTANT NOTES:

For Residential Block Tariffs, Block 1 applies to the first 1,000 kWh per quarter. Block 2 applies to consumption greater than 1,000 kWh and less than 1,750 kWh per quarter. Block 3 applies to all consumption in excess of Block 2.

For General Supply Block Tariffs, Block 1 applies to the first 2,500 kWh per quarter. Block 2 applies to all consumption in excess of Block 1.

The network prices in this table are inclusive of transmission passthrough charges and recovery of the NSW Climate Change Fund contribution.

NETWORK TARIFFS

1.12.7. Table 5 – Unmetered Supply Pricing

Prices effective 1 July 2017

Endeavour Energy 2017/18 Network Prices for Unmetered Supply	Network Tariff Code	Service Rate	Network Access Charge		Energy Rate					
			$ / day		Non-Time Of Use Block 1 ¢ / kWh		Non-Time Of Use Block 2 ¢ / kWh		Non-Time Of Use Block 3 ¢ / kWh	
			Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST	Excl. GST	Incl. GST
Other Unmetered Supplies	N99		0.0000	0.00000	8.9532	9.84852	8.9532	9.84852		
Traffic Control Signal Lights	ENTL		0.0000	0.00000	8.9532	9.84852				
Street Lighting	ENSL		0.0000	0.00000	8.0195	8.82145				
Nightwatch	ENNW		0.0000	0.00000	6.2280	6.85080				

IMPORTANT NOTES:

For the Other Unmetered Supplies tariff, Block 1 applies to the first 2,500 kWh per quarter. Block 2 applies to all consumption in excess of Block 1.

The network prices in this table are inclusive of transmission passthrough charges and recovery of the NSW Climate Change Fund contribution.