

Electricity Distribution

Annual Tariff Proposal 2017

1 January 2017

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1 Introduction

This document, its appendices and attachments comprise AusNet Services' 2017 pricing proposal. It covers all our direct control (standard control and alternative control) services for 2017 in accordance with clause 6.18.2 of the National Electricity Rules and the AER's Final Distribution Determination 2016 to 2020.

Clause 6.18 of the Rules sets out the requirements concerning distribution pricing. These requirements include the pricing principles which guide this pricing proposal, and the matters the pricing proposal must address including:

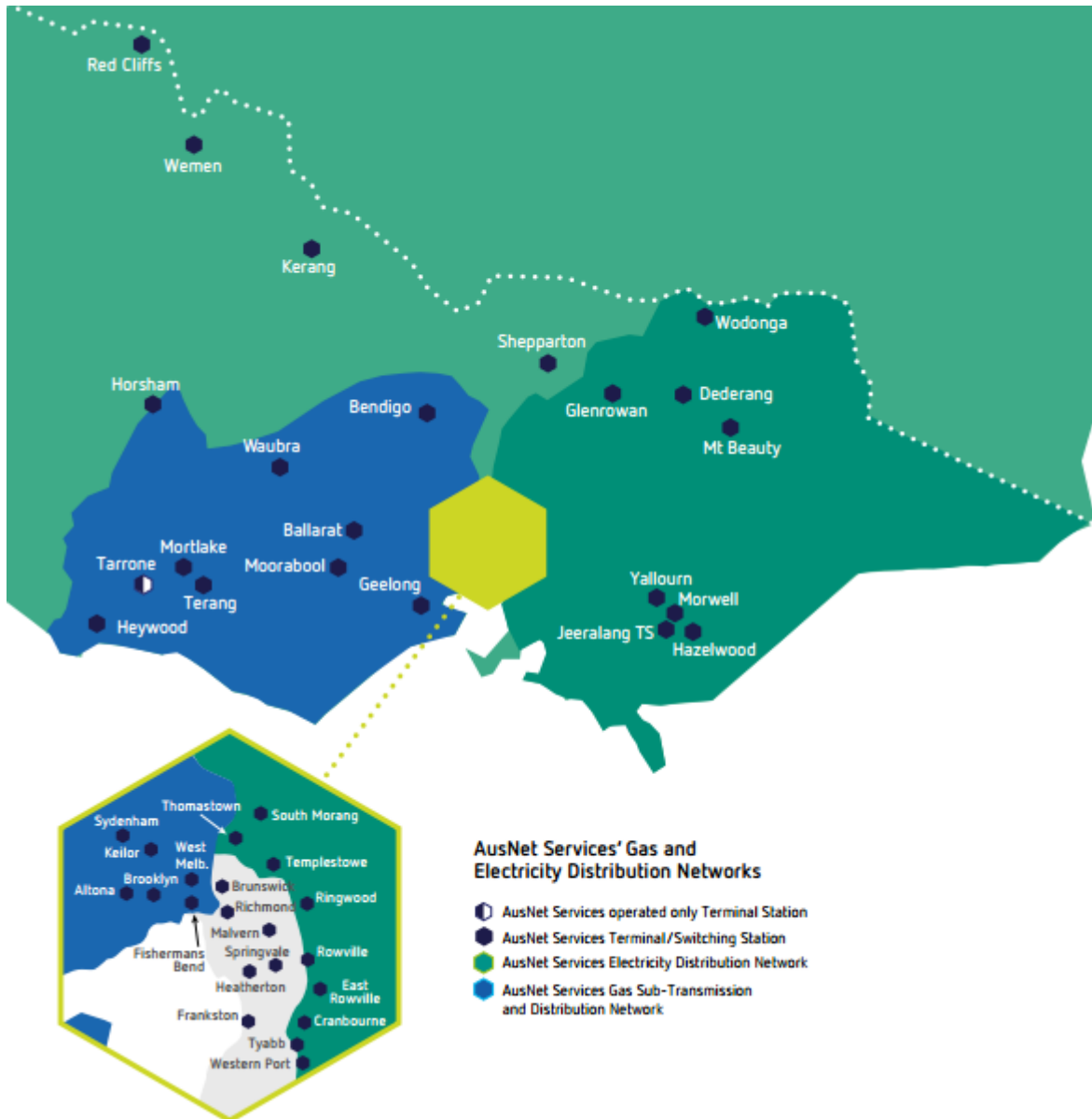
- Classification of services;
- The pricing control mechanism;
- Assigning and reassigning customers to tariff classes;
- Recovery of transmission costs; and
- Recovery of jurisdictional scheme amounts.

1.1 About AusNet Services

AusNet Services' electricity distribution network delivers electricity to 605,000 households and 75,000 businesses. The network is made up of 44,000 kilometres of electricity lines, predominantly overhead network traversing rural areas and built over the period from the 1950s to the present.

Split by the Great Dividing Range, the network covers heavily forested and mountainous areas, as well as the low lying and coastal regions of Gippsland. On the northern and eastern fringes of Melbourne, the network services highly populated suburbs including through the heavily vegetated Dandenong Ranges. AusNet Services' electricity distribution area is shown in Figure 1 below.

Figure 1: AusNet Services' Electricity and Gas regions



AusNet Services manages and maintains the electricity network in line with good industry practice to deliver electricity to customers safely and reliably. Our direct control services include:

- maintaining and operating the network;
- investing in network extensions and upgrades for future customer needs;
- connecting new customers to our network;
- providing and maintaining public lighting in our network area; and
- providing meter data to retailers.

The revenue obtained from tariffs and charges in this Pricing Proposal funds the above services.

1.2 Network Charges and Other Charges

Network tariffs (for standard control services) cover the cost of transporting electricity from the generator through the transmission and distribution networks to our customers' homes or businesses. Network charges also recover jurisdictional schemes costs which currently comprise the Victorian premium and transitional feed-in tariff schemes.

Charges for a variety of other services (referred to in the rules as Alternative Control Services) are also addressed in this Proposal. This includes:

- metering tariffs which cover the costs of the meter and meter data services;
- public lighting charges which relate to the provision and maintenance of public lighting services; and
- other distribution services that are provided in response to the request or specific needs of our customers. Typical examples of these services are Field Officer Visits, Truck Visits and Connection Services for new customers.

1.3 Structure of this document

The purpose of this proposal is to enable distribution customers to understand the basis for the tariff policies adopted by AusNet Services and to communicate changes in tariffs. The structure of this document is outlined in the table below, including how it addresses the informational requirements of Clause 6.18 of the Rules.

Table 1.3 – Proposal Structure

Section	Title	Intent	Rules Compliance
1	Introduction	AusNet Services role & services	-
2	Regulatory Environment	Description of Price Regulation requirements	-
3	Network Tariff Classes	Tariff and Tariff Class descriptions	6.18.2(b)(2)
4	Proposed Tariffs And Charging Parameters	Tariff Rates for 2017 and how they are applied to customers	6.18.2(b)(3)
5	Total Annual Revenue	Total revenue by tariff class	6.18.2(b)(4)
6	Variations To Tariffs	Changes in rates from TSS and impact on future years	6.18.2(b)(5)
7	Designated Pricing Proposal Charges	How transmission charges are recovered	6.18.2(b)(6)
8	Jurisdictional Pricing Proposal	How Jurisdictional costs	6.18.2(b)(7) & (8)

Section	Title	Intent	Rules Compliance
	Charges	are recovered	
9	Distribution Use Of System Unders And Overs Account	True-ups to prior years	
10	Proposed Network Tariffs		6.18.2 (d)(e)
11	Annual System Of Assessment And Review Of Tariffs		
12	Public Lighting	Public Lighting services and charges	
13	Ancillary Network Services	Ancillary Services	6.2.2 (a)
14	Prescribed Metering Charges	How Prescribed metering costs are applied	
15	Glossary	Description of terms used in this document	
16	Attachments	Sets out pricing schedules.	

2 Regulatory Environment

The AER regulates AusNet Services' electricity distribution revenues and tariffs. The primary instruments of its regulation are:

- the relevant Electricity Distribution Revenue Determination for AusNet Services;
- the relevant Tariff Structure Statement; and
- the annual Pricing Proposal decision.

In developing this Pricing Proposal, AusNet Services has therefore reflected and ensured consistency with:

- the AER's Final Distribution Revenue Determination for the period 2016 to 2020 made on 26 May 2016 and
- our Tariff Structure Statement (TSS) for the period 2017-2020 which was approved by the AER on 24 August 2016.

It is noted that the pricing arrangements in Victoria have evolved over time. AusNet Services considers the 2017-20 TSS as an important step towards a pricing landscape that will increasingly see prices reflecting costs.

2.1 The Tariff Structure Statement and Changes to 2017 tariffs

On 30 October 2015 AusNet Services submitted its first TSS proposal to the AER. The AER approved the TSS and tariff structures applying for the 2017-20 period.

If any conflict exists between this document and the Approved TSS, the TSS will prevail unless the contrary is explicitly stated.

Changes to the 2017 network tariffs include the introduction and reassigning of small business customers with annual consumption greater than 40 megawatt hours (MWh) to a new small business tariff from 1 January 2017. These changes reflect the changes to our tariffs presented in our approved TSS. Our 2017 network tariffs are set out in Appendix A.

AusNet Services notes that since 2002 AusNet Services has classified Small Industrial & Commercial (I&C) customers as those using up to 160MWh and Medium sized customers as those using 160MWh to 400MWh, consistent with National Market definitions. However AusNet Services' TSS (at Table 3.3) identified Small I & C customers as those using up to 70MWh and Medium I & C customers as those using between 70MWh and 400MWh. To clarify, the TSS was incorrect in stating this, and this Pricing Proposal continues to use the existing classification. This has no impact on customers in those tariff classes.

As set out in AusNet Services' TSS the following changes have been deferred until 2018:

- the introduction of the opt-in residential and small commercial cost-reflective demand tariffs; and
- the introduction of a medium business tariff.

2.2 Electricity Distribution Price Review requirements

AusNet Services revenue and pricing must comply with its 2016 – 20 Electricity Distribution Price Determination. Total revenues recovered through distribution prices and the relevant price formulae are explained in more detail below.

2.2.1 Total Annual Revenue

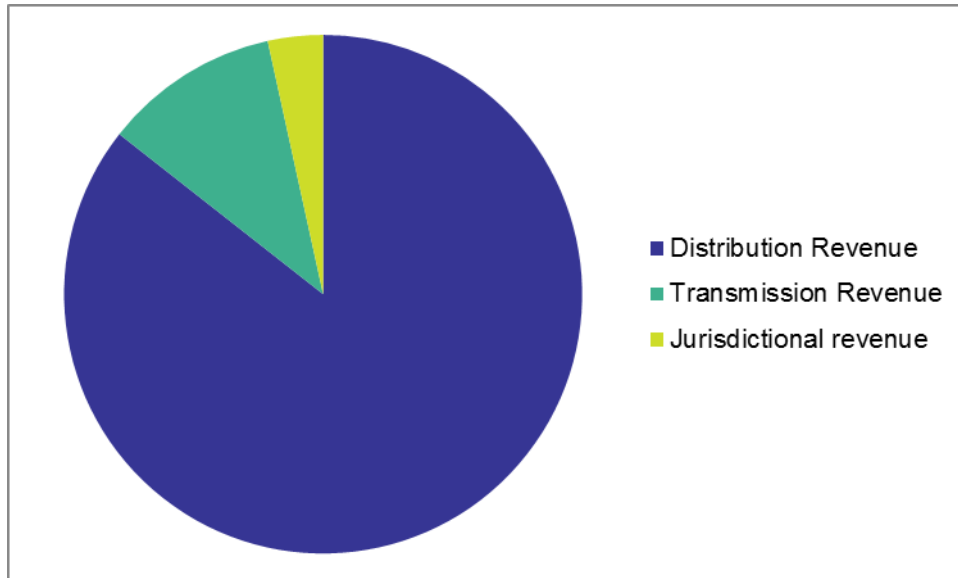
AusNet Services Total Annual Revenue for 2017 is determined by the AER taking account of the Annual Smoothed Revenue determined in the 2016 – 2020 Electricity Distribution Price Review and adjusting for CPI, service target performance incentive scheme results, f-factor scheme, the final carryover amount from the application of the DMIS from the 2011–15 regulatory control period, the recovery of Victorian Government license fee charges, the under or over recovery of revenue collected through DUoS charges in previous years, any AER approved pass through amounts and the X factor revised for the return on debt.

Taking account of each of these adjustments AusNet Services annual distribution revenue for 2017 is \$642.2M. The following table shows how the above components make up the Total Annual revenue for 2017.

Annual Revenue Item	\$M
Adjusted Annual Smoothed Revenue for year t	629.715
I factor for year t (F factor Scheme)	3.420
DUoS revenue under/over recovery approved	7.400
License Fee Recovery Amount for year t	0.092
Approved Pass through Amount for year t	0
Pass Through revenue under/over recovery for years 2014 and 2015	1.546
Total Annual Revenue	642.173

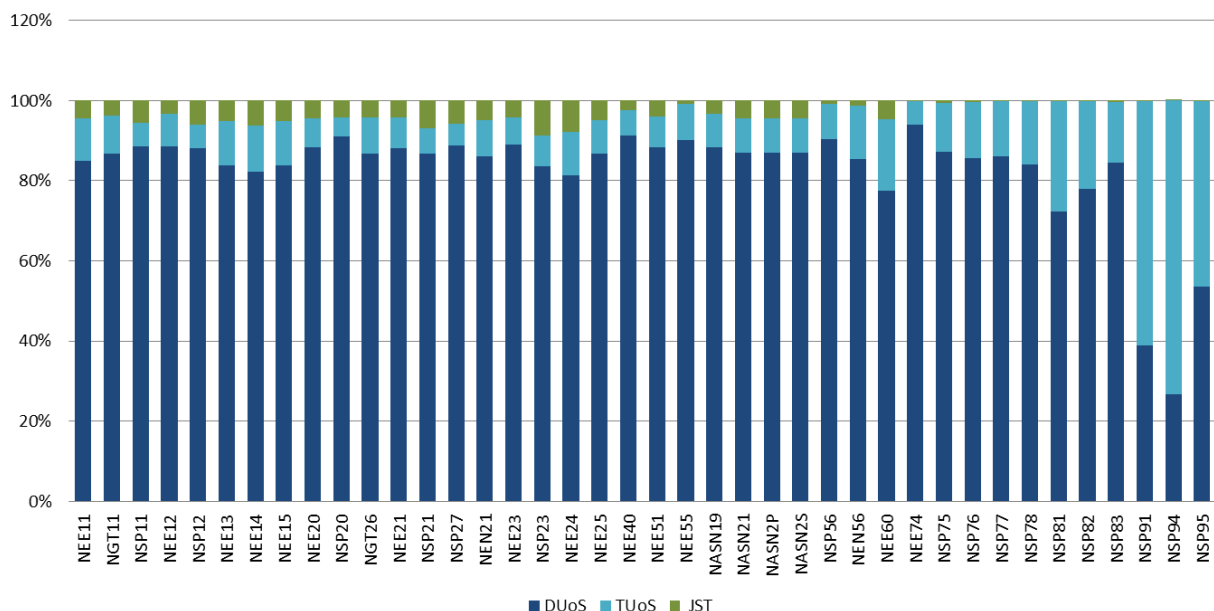
Network Revenues also include the recovery of Transmission Costs and Jurisdictional amounts. For 2017 the recovery of these components are \$82.4M and \$25.8M, and total Network Revenue is \$750.3M. The proportions are shown in the figure below.

Figure 2.2.1: Components of Total Revenue



The chart below shows the proportion of Distribution, Transmission, and Jurisdictional charges in each network tariff.

Proportion of Tariff Components



Transmission charges are discussed in section 6, and Jurisdictional charges are addressed in further detail in section 7.

2.2.2 Revenue Cap Formulae

As of 1 January 2016 AusNet Services' is subject to a Revenue Cap form of regulation.

For 2016 under the Revenue Cap regulation distribution prices were set in accordance with the formula set out in Attachment 14 of the AER Preliminary Decision which is as follows:

Price Control Formula

$$\begin{aligned}
 \circ \quad TAR_t &\geq \sum_{i=1}^n \sum_{j=1}^m p_t^{ij} q_t^{ij} && i=1,\dots,n \text{ and } j=1,\dots,m \text{ and } t=1,\dots,5 \\
 \circ \quad TAR_t &= AAR_t + I_t + T_t + B_t && t = 1,2,\dots,5 \\
 \circ \quad AAR_t &= AR_t(1 + S_t) && t = 1 \\
 \circ \quad AAR_t &= AAR_{t-1}(1 + \Delta CPI_t)(1 - X_t)(1 + S_t) && t = 2,\dots,5
 \end{aligned}$$

where;

TAR_t is the total annual revenue in year t.

p_t^{ij} is the price of component j of tariff i in year t.

q_t^{ij} is the forecast quantity of component j of tariff i in year t.

AAR_t is the adjusted annual smoothed revenue requirement for year t.

I_t is the annual adjustment f-factor scheme amount in year t. This amount will be calculated as per the method set out in the relevant f-factor scheme.

T_t is the final carryover amount from the application of the DMIS from the 2011–15 regulatory control period. This amount will be calculated using the method set out in the DMIS and will be deducted from/added to allowed revenue in the 2017 pricing proposal.

B_t is the sum of:

- the recovery of license fee charges by the Victorian Essential Services Commission indexed by one and a half years of interest, calculated using the following method:

$$L_{t-1}(1 + WACC_{t-1})(1 + WACC_{t-2})^{1/2}$$

where:

L_{t-1} are the licence fees paid by AusNet Services to the Victorian Essential Services Commission in the financial year ending in June of regulatory year t–1,

$WACC$ is the approved nominal weighted average cost of capital (WACC) for the relevant regulatory year using the following method,

$$Nominal \ vanilla \ WACC_t = ((1 + real \ Vanilla \ WACC_t) \times (1 + \Delta CPI_t)) - 1$$

where the *real Vanilla WACC_t* is as set out in our final decision PTRM and updated annually

- any under or over recovery of actual revenue collected through DUoS charges in regulatory year t–2 as calculated using the method in appendix A of Attachment 14 of the AER Preliminary Decision 2016-20;
- the AER approved pass through amounts (positive or negative) with respect to regulatory year t.

AR_t is the annual smoothed revenue requirement as stated in the Post Tax Revenue Model (PTRM) for year t (when year t is the first year of the 2016–20 regulatory control period).

S_t is the s-factor determined in accordance with the service target performance incentive scheme (STPIS) for regulatory year t.

ΔCPI_t is the annual percentage change in the ABS CPI All Groups, Weighted Average of Eight Capital Cities from the June quarter in year t–2 to the June quarter in year t–1, calculated using the following method:

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the June quarter in regulatory year t–1
divided by
The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the June quarter in regulatory year t–2
minus one.

For example, for the 2017 regulatory year, t–2 is June quarter 2015 and t–1 is June quarter 2016 and for the 2018 regulatory year, t–2 is June quarter 2016 and t–1 is June quarter 2017 and so on.

X_t is the X factor for each year of the 2016–20 regulatory control period as determined in the PTRM, and annually revised for the return on debt update in accordance with the formula specified in attachment 3 of the AER Final Decision—rate of return—calculated for the relevant year.

Generally for each year within a regulatory control period the prices are also subject to a Side Constraint formula that limits the amount by which a tariff can be increased. AusNet Services was not bound by this limitation in 2016 as prices are reset for the commencement of the regulatory period. The AER’s final decision sets out the Side Constraint formula to apply to Standard Control services:

Side Constraint Formula

$$\frac{\left(\sum_{i=1}^n \sum_{j=1}^m d_{ij}^t q_{ij}^t \right)}{\left(\sum_{i=1}^n \sum_{j=1}^m d_{ij}^{t-1} q_{ij}^{t-1} \right)} \leq (1 + \Delta CPI_t) \times (1 - X_t) \times (1 + 2\%) \times (1 + S_t) + I_t' + T_t' + B_t'$$

where each tariff class has "n" tariffs, with each up to "m" components, and where:

d_t^{ij} is the proposed price for component 'j' of tariff 'i' for year t.

d_{t-1}^{ij} is the price charged for component 'j' of tariff 'i' in year t-1.

q_t^{ij} is the forecast quantity of component 'j' of the tariff class in year t.

ΔCPI_t is the annual percentage change in the ABS CPI All Groups, Weighted Average of Eight Capital Cities from the June quarter in year t-2 to the June quarter in year t-1, calculated using the following method:

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the June quarter in regulatory year t-1
divided by
The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the June quarter in regulatory year t-2
minus one.

For example, for the 2017 regulatory year, t-2 is June quarter 2015 and t-1 is June quarter 2016 and for the 2018 regulatory year, t-2 is June quarter 2016 and t-1 is June quarter 2017 and so on.

X_t is the X factor for each year of the 2016–20 regulatory control period as determined in the PTRM, and annually revised for the return on debt update in accordance with the formula specified in attachment 3 of the AER Final Decision—rate of return—calculated for the relevant year. If $X > 0$, then X will be set equal to zero for the purposes of the side constraint formula.

S_t is the s-factor determined in accordance with the STPIS for regulatory year t.

I_t' is the annual percentage change from the f-factor scheme amount in year t. This amount will be calculated as per the method set out in the relevant f-factor scheme.

T_t' is the annual percentage change from the final carryover amount from the application of the DMIS from the 2011–15 regulatory control period. This amount will be calculated using the method set out in the DMIS and will be deducted from/added to allowed revenue in the 2017 pricing proposal.

B_t' is annual percentage change from the sum of:

- the recovery of license fee charges by the Victorian Essential Services Commission indexed by one and a half years of interest, calculated using the following method:

$$L_{t-1}(1+WACC_{t-1})(1+WACC_{t-2})^{1/2}$$

where:

L_{t-1} are the licence fees paid by AusNet Services to the Victorian Essential Services Commission in the financial year ending in June of regulatory year t-1

WACC is the approved nominal weighted average cost of capital (WACC) for the relevant regulatory year, using the following method:

$$\text{Nominal vanilla } WACC_t = ((1 + \text{real Vanilla } WACC_t) \times (1 + \Delta CPI_t)) - 1$$

where the *real Vanilla WACC_t* is as set out in our final decision PTRM and updated annually

- any under or over recovery of actual revenue collected through DUoS charges in regulatory year t–2 as calculated using the method in appendix A of Attachment 14 of the AER Preliminary Decision 2016-20;
- the AER approved pass through amounts (positive or negative) with respect to regulatory year t.

With the exception of the CPI, X factor and S factor, the percentage for each of the other factors above can be calculated by dividing the incremental revenues (as used in the total annual revenue formula) for each factor by the expected revenues for regulatory year t–1 (based on the prices in year t–1 multiplied by the forecast quantities for year t).

3 Network Tariff Classes

This section sets out AusNet Services proposed tariffs for each tariff. AusNet Services tariff classes have been based on grouping customers that have a common connection and energy use profile.

For 2017 AusNet Services tariff classes and the tariffs within those classes are:

Customer Size	Tariff Class & Tariff	Existing (\$)	Proposed (\$)
Small	Residential - <160MWh NEE11, NEN11, NGT11, NEE13, NEN13, NGT13, NGT23, NEE14, NGT14, NGT24, NEN14, NEE15, NEN15, NGT15, NGT25, NEE20, NEN20, NEE24, NGT26, NEE23, SUN23, SUN2T, NEE26, NEE30, NEE31, NEE32, NSP30, NSP31, NSP32	297,381,448	319,279,992
	Industrial/Commercial - <160MWh NEE12, NEN12, NSP12, NASN19, NEE16, NEN16, NSP16, NEE17, NEN17, NSP17, NEE18, NEN18, NSP18, NEE21, NEN21, NSP21, NSP27, NEE25, NASN21, SUN21, SSP21, SUN2B, SSP2B, SUN27, NEE28, SSP2S	133,744,650	143,634,009
Medium	Industrial/Commercial – 160 to 400MWh NEE40, NEE41, NEE42, NEE43, NEE51, NEE52, NEE60, NEE55, NSP55, NSP56, NEN56,	56,610,175	60,825,556
Large-LV1	Industrial/Commercial – 400 to 750MWh NEE74, NSP75,	28,111,599	30,470,758
Large-LV2	Industrial/Commercial – 750 to 2000MWh NSP76,	34,816,935	36,029,345
Large-LV3	Industrial/Commercial – 2GWh to 4GWh NSP77,	17,477,709	18,780,289
Large-LV4	Industrial/Commercial – Over 4GWh NSP78,	10,162,844	10,920,473
HV-1	Industrial/Commercial - 6.6, 11, 22kV NSP81,	12,937,670	13,901,818
HV-2	Industrial/Commercial* - 6.6, 11, 22kV NSP82,	N/A	N/A
HV-3	Industrial/Commercial - 6.6, 11, 22kV NSP83,	1,115,022	1,198,280
EHV-1	Industrial/Commercial* - 66kV NSP91,	N/A	N/A
EHV-2	Industrial/Commercial* - LV Gen NEE93,	N/A	N/A
EHV-3	Industrial/Commercial* - 66kV NSP94,	N/A	N/A
EHV-4	Industrial/Commercial* - 66kV NSP95	N/A	N/A

* \$ not shown as these Tariff classes apply to individual or a small number of customers.

4 Proposed Tariffs and Charging Parameters

4.1 Background to Tariff Access

AusNet Services' customers are initially assigned to a Legacy tariff structure; from these tariffs customers may opt to change their tariff structure to either a Flexible tariff or a Cost Reflective tariff. Customers that elect to be assigned to a Flexible tariff may return to the Legacy tariff they were previously assigned to or may exercise their option to be assigned to a Cost reflective tariff. Once a customer has been assigned to a Cost Reflective tariff they must remain on a Cost Reflective tariff. As customers move away from Legacy tariffs and Flexible tariffs these tariffs will be closed and removed from the tariff options.

Moving to More Cost Reflective Tariffs

LEGACY TARIFFS	FLEXIBLE TARIFFS	COST REFLECTIVE TARIFFS
Reflects Basic Accumulation Meter Capability	As Required By Victorian Government Order In Council	Reflect AusNet Services Energy Profile and Victorian Demand Profile
DEFAULT	OPT-IN	
OPT-OUT	OPT-OUT (return to legacy tariff)	NO OPT-OUT

4.2 Legacy Tariffs

Legacy tariffs are also referred to as Flat Rate tariffs. The energy charges on these tariffs are either all time at a single rate or where two rate tariffs are applied they are limited to either a two rate five day or two rate seven day structure. Legacy tariffs are the tariff structures that are established based on metering installations. These tariff structures are the only structures that can be delivered from an accumulation meter (Type 6) and are set in accordance with the meter installation. For other tariff structures to be applied the customers meter must be either reconfigured on site or the meter must be changed. These tariffs are not cost reflective because they do not make provision for charging rates to align to network usage profiles. AusNet Services' legacy network tariffs are:

Residential Tariffs

Tariff Type	Tariffs
Single Rate	NEE11, NEN11
Single Rate Plus Dedicated Circuit	NEE13, NEN13, NEE14, NEN14, NEE15, NEN15
Two Rate Five Day	NEE20, NEN20, NEE24,
Two Rate Five Day Solar	NEE23, SUN23, SUN2T, NEE26
Dedicated Circuit	NEE30, NEE31, NEE32

Industrial & Commercial Tariffs

Tariff Type	Tariffs
Single Rate	NEE12, NEN12, NEE40,
Single Rate Plus Dedicated Circuit	NEE16, NEN16, NEE17, NEN17, NEE18, NEN18, NEE41, NEE42, NEE43
Two Rate Five Day	NEE21, NEN21, NEE25, NEE51, NEE52, NEE74, NEE93
Two Rate Five Day Solar	SUN21, SUN2B, SUN27, NEE28
Two Rate Seven Day	NEE60
Dedicated Circuit	NEE30, NEE31, NEE32

4.3 Flexible Tariffs

Flexible tariffs provide customers with an option for a multi rate tariff, and the time periods are adjusted for Daylight savings during summer months. Flexible tariffs give customers with an AMI (smart) meter the opportunity to take a more cost reflective tariff than a flat rate legacy tariff. These flexible tariffs have a common structure across all Victorian Distributors with only the rates between distributors being different. Customers must elect to take a flexible tariff and the Order requires distributors to allow customers to revert to their legacy tariff at any time. AusNet Services' flexible network tariffs are:

Residential Tariffs

Tariff Type	Tariffs
Single Rate	NGT11
Single Rate Plus Dedicated Circuit	NGT13, NGT14, NGT15
Multi Rate plus Controlled Load	NGT26, NGT23, NGT24, NGT25

4.4 Cost Reflective Tariffs

Energy based cost reflective tariffs were introduced in 2010. These tariffs were multi rate tariffs that included high rates at the times demand on the network traditionally peaks, ie between 3:00PM and 7:00PM during the summer months. In 2014 The Australian Energy Market Commission included the requirement that a Distributor's tariffs "...must be based on the long run marginal cost of providing the service to which it relates..." thereby placing an obligation on Distributors' tariffs to be Cost reflective.

In August 2016 the AER approved AusNet Services' Tariff Structures Statement which outlined cost reflective tariffs with a common structure to those being introduced by other Victorian Distributors. The majority of these tariffs will commence in January 2018, however for 2017 the tariffs that will apply to customers using between 40MWh and 160MWh a year will commence on 1 January 2017. AusNet Services cost reflective tariffs are:

Residential Tariffs

Tariff Type	Tariffs
Multi Rate	NSP11
Multi Rate Plus Dedicated Circuit	NSP13, NSP14, NSP15
Multi Rate Plus Controlled Load	NSP20,
Multi Rate Solar	NSP23, SSP23, SSP2T,
Dedicated Circuit	NSP30, NSP31, NSP32

Industrial & Commercial Tariffs

Tariff Type	Tariffs
Multi Rate	NSP12, NASN19, NEE55, NSP55, NSP56, NEN56, NSP75, NSP76, NSP77, NSP78, NSP81, NSP82, NSP83, NSP91, NSP94, NSP95
Multi Rate Plus Dedicated Circuit	NSP16, NSP17, NSP18,
Multi Rate Plus Controlled Load	NSP21, NSP27, NASN21,
Multi Rate Solar	SSP21, SSP2B, SSP2S,
Dedicated Circuit	NSP30, NSP31, NSP32

4.5 Charging Parameters

AusNet Services' tariffs have one or more of the following charging parameters:

- Standing charge - Unit
- All time energy use – Flat rate or inclining block - kWh
- Peak Energy - kWh
- Shoulder Energy - kWh
- Off Peak Energy - kWh
- Summer Peak Energy - kWh
- Summer Shoulder Energy - kWh
- Winter Peak Energy - kWh
- Monthly Peak Demand – kW
- Critical Peak Demand – Average of five kVA
- Capacity – kVA

These parameters are a key facet of our tariff offering and are detailed further below, with parameters for specific tariffs set out in the tariff schedules.

4.5.1 Tariff Structures

The following table sets out the tariff structures, charging parameters and metering requirements that apply to each tariff:

Tariffs	Minimum Metering Requirement	Tariff Structure Description
NEE11, NEN11, NEE12, NEN12	Basic type 6 single register accumulation meter.	Standing Charge; Inclining Blocks Block 1 up to 320kWh/Mth (1020kWh/Qtr) Block 2 Balance
NEE13 ¹ , NEN13 ¹ , NEE16 ¹ , NEN16 ¹ , NEE14 ² , NEN14 ² , NEE17 ² , NEN17 ² NEE15 ³ , NEN15 ³ , NEE18 ³ , NEN18 ³ All closed to new entrants	Two basic type 6 single register accumulation meters, one switched by timing device, or a basic type 6 dual register accumulation meter with second register switched by timing device.	Standing Charge; Inclining Blocks Block 1 up to 320kWh/Mth (1020kWh/Qtr) Block 2 Balance ¹ Dedicated Circuit – 11:00PM to 7:00AM ² Dedicated Circuit – 1:00PM to 4:00PM & 11:00PM to 7:00AM ³ Dedicated Circuit – 8:00PM to 8:00AM
NGT11, NEE40 All closed to new entrants	Basic type 6 single register accumulation meter.	Standing Charge Single Flat Rate – All usage

Tariffs	Minimum Metering Requirement	Tariff Structure Description
NEE41¹, NGT13¹, NEE42², NGT14², NEE43³, NGT15³, All closed to new entrants	Two basic type 6 single register accumulation meters, one switched by timing device, or a basic type 6 dual register accumulation meter with second register switched by timing device.	Standing Charge Single Flat Rate – All usage ¹ Dedicated Circuit – 11:00PM to 7:00AM ² Dedicated Circuit – 1:00PM to 4:00PM & 11:00PM to 7:00AM ³ Dedicated Circuit – 8:00PM to 8:00AM
NEE20, NEN20, NEE21, NEN21, NEE52; NEE93 NEE51, & NEE74, closed to new entrants	A basic type 6 dual register with an electronic time switch, capable of switching all loads to off-peak overnight and at weekends.	Standing Charge; Two Rate Five Day Peak – 7:00AM to 11:00PM Monday to Friday Off Peak – All other times
NEE23, SUN23, SUN21, NEE26, NEE28, NEE27 closed to new entrants	An Interval meter with export registers and an electronic time switch, capable of switching all loads to off-peak overnight and at weekends.	Standing Charge; Two Rate Five Day Peak – 7:00AM to 11:00PM Monday to Friday Off Peak – All other times

Tariffs	Minimum Metering Requirement	Tariff Structure Description
NSP11, NSP12, NSP55	An advanced interval single element meter, "smart meter".	Standing Charge Multi Rate Seasonal Summer Peak - Dec-March, Mon - Fri, 2pm - 6pm Summer Shoulder - Dec-March, Mon - Fri, 12pm-2pm and 6pm to 8pm Winter peak - Jun-Aug, Mon - Fri, 4pm to 8pm Off Peak - all other times
NSP20, NSP21, NSP27,	An advanced interval single element meter, and an electronic time switch, capable of switching all loads to off-peak overnight and at weekends "smart meter".	Standing Charge Multi Rate Seasonal Summer Peak - Dec-March, Mon - Fri, 2pm - 6pm Summer Shoulder - Dec-March, Mon - Fri, 12pm-2pm and 6pm to 8pm Winter peak - Jun-Aug, Mon - Fri, 4pm to 8pm Off Peak - all other times

Tariffs	Minimum Metering Requirement	Tariff Structure Description
NSP23, SSP21, SSP23,	An advanced interval meter with export registers and an electronic time switch, capable of switching all loads to off-peak overnight and at weekends. meter, “smart meter”	Standing Charge Multi Rate Seasonal Summer Peak - Dec-March, Mon - Fri, 2pm - 6pm Summer Shoulder - Dec-March, Mon - Fri, 12pm-2pm and 6pm to 8pm Winter peak - Jun-Aug, Mon - Fri, 4pm to 8pm Off Peak - all other times
NSP13 ¹ , NSP16 ¹ NSP14 ² , NSP17 ² NSP15 ³ , NSP18 ³ All closed to new entrants	An advanced interval two element meter, “smart meter” where the second element applies to a dedicated circuit that is switched by AusNet Services and that is required to be separately measured to other off peak load.	Standing Charge Multi Rate Seasonal plus Dedicated Circuit Summer Peak - Dec-March, Mon - Fri, 2pm - 6pm Summer Shoulder - Dec-March, Mon - Fri, 12pm-2pm and 6pm to 8pm Winter peak - Jun-Aug, Mon - Fri, 4pm to 8pm Off Peak - all other times ¹ Dedicated Circuit – 11:00PM to 7:00AM ² Dedicated Circuit – 1:00PM to 4:00PM & 11:00PM to 7:00AM ³ Dedicated Circuit – 8:00PM to 8:00AM

Tariffs	Minimum Metering Requirement	Tariff Structure Description
NGT26	An advanced interval single element meter, and an electronic time switch, capable of switching all loads to off-peak overnight and at weekends “smart meter”.	<p>Standing Charge;</p> <p>Flexible</p> <p>Peak 3:00PM to 9:00PM Mon - Fri</p> <p>Shoulder 7:00AM to 3:00PM & 9:00PM to 10:PM Mon – Fri</p> <p>7:00AM to 10:00PM Sat & Sun</p> <p>Off Peak – All Other Times</p> <p>Times are ADST – Summer, AEST Non-Summer</p> <p>Summer - 2:00AM AEST First Sunday in October to 2:00AM AEST First Sunday in April</p>

Tariffs	Minimum Metering Requirement	Tariff Structure Description
<p>NGT23¹, NGT24², NGT25³</p> <p>All closed to new entrants</p>	<p>An advanced interval two element meter, “smart meter” where the second element applies to a dedicated circuit that is switched by AusNet Services and that is required to be separately measured to other off peak load.</p>	<p>Standing Charge;</p> <p>Multi Rate Seasonal plus Dedicated Circuit</p> <p>Peak 3:00PM to 9:00PM Mon - Fri</p> <p>Shoulder 7:00AM to 3:00PM & 9:00PM to 10:PM Mon – Fri</p> <p>7:00AM to 10:00PM Sat & Sun</p> <p>Off Peak – All Other Times</p> <p>Times are ADST – Summer, AEST Non-Summer</p> <p>Summer - 2:00AM AEST First Sunday in October to 2:00AM AEST First Sunday in April</p> <p>¹Dedicated Circuit – 11:00PM to 7:00AM</p> <p>²Dedicated Circuit – 1:00PM to 4:00PM & 11:00PM to 7:00AM</p> <p>³Dedicated Circuit – 8:00PM to 8:00AM</p> <p>Times are AEST</p>
<p>NEE24, NEE25</p>	<p>A basic type 6 dual register with an electronic time switch, capable of switching all loads to off-peak overnight and at weekends.</p>	<p>Standing Charge;</p> <p>Two Rate Five Day</p> <p>Peak – 8:00AM to 8:00PM Monday to Friday</p> <p>Off Peak – All other times</p>

Tariffs	Minimum Metering Requirement	Tariff Structure Description
NEE30 ¹ , NSP30 ¹ NEE31 ² , NSP31 ² NEE32 ³ , NSP32 ³ All closed to new entrants	A basic type 6 dual register with an electronic time switch, capable of switching all loads to off-peak overnight and at weekends.	Standing Charge Dedicated Circuits ¹ Dedicated Circuit – 11:00PM to 7:00AM ² Dedicated Circuit – 1:00PM to 4:00PM & 11:00PM to 7:00AM ³ Dedicated Circuit – 8:00PM to 8:00AM
NSP30 ¹ NSP31 ² NSP32 ³ All closed to new entrants	An advanced interval two element meter, “smart meter” where the second element applies to a dedicated circuit that is switched by AusNet Services and that is required to be separately measured to other off peak load.	Standing Charge Dedicated Circuits ¹ Dedicated Circuit – 11:00PM to 7:00AM ² Dedicated Circuit – 1:00PM to 4:00PM & 11:00PM to 7:00AM ³ Dedicated Circuit – 8:00PM to 8:00AM
NEE55	A basic type 6 dual register with an electronic time switch, capable of switching all loads to off-peak overnight and at weekends.	Standing Charge Seasonal Snowfield Regions Peak – 1 May to 30 September Off Peak – All other times

Tariffs	Minimum Metering Requirement	Tariff Structure Description
NEE60 Closed to new entrants	A basic type 6 dual register, with standard time switching capacity.	Standing Charge Two Rate 7 Day Peak – 7:00AM to 11:00PM Monday - Sunday Off Peak – All other times
NSP56, NEN56, NSP75, NSP76, NSP77, NSP78, NSP81, NSP82, NSP83	An interval meter, capable of measuring kWh and kVAR integrated over a 30-minute period.	Standing Charge Multi Rate Seasonal with Demand Peak – 7:00AM to 10:00AM & 4:00PM to 11:00PM Mon - Fri Shoulder – 10:00AM to 4:00PM Mon - Fri Off Peak – All other times Capacity Critical Peak Demand – 2:00PM – 6:00PM on 5 Nominated days between December and March All times are AEST

Tariffs	Minimum Metering Requirement	Tariff Structure Description
NSP91, NSP94, NSP95	An interval meter, capable of measuring kWh and kVAR integrated over a 30-minute period.	<p>Standing Charge</p> <p>Two Rate 5 day with Demand</p> <p> Peak – 7:00AM to 11:00PM Mon - Fri</p> <p> Off Peak – All other times</p> <p>Capacity</p> <p>Critical Peak Demand – 2:00PM – 6:00PM on 5 Nominated days between December and March</p> <p>All times are AEST</p>

4.6 Indicative tariffs

The table below compares indicative price levels for year 2017 as set out in the Tariff Structure Statement with indicative prices for the remaining regulatory years of the regulatory control period to reflect this 2017 annual pricing proposal.

Tariff	Charging Parameter	TSS 2017	2017	2018	2019	2020
NEE11	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy Block 1(\$/kWh)	0.1020	0.0996	0.1021	0.1038	0.1093
	Energy Block 2 (\$/kWh)	0.1291	0.1282	0.1316	0.1364	0.1453
NEN11	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy Block 1(\$/kWh)	0.0729	0.0693	0.0708	0.0730	0.0785
	Energy Block 2 (\$/kWh)	0.0773	0.0738	0.0755	0.0779	0.0837
NASN11	Fixed (\$)	102.40	-	110.36	115.13	121.25
	Energy - All Time (\$/kWh)	0.0746	-	0.0735	0.0758	0.0815
	Demand peak season (\$/kW/mth)	8.7420	-	9.0165	9.4061	9.9065
	Demand off-peak season (\$/kW/mth)	2.1856	-	2.2542	2.3516	2.4767
NEE12	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy Block 1(\$/kWh)	0.1377	0.1356	0.1393	0.1443	0.1536
	Energy Block 2 (\$/kWh)	0.1652	0.1742	0.1791	0.1859	0.1974
NASN12	Fixed (\$)	102.40	-	110.36	115.13	121.25
	Energy - All Time (\$/kWh)	0.1296	-	0.1303	0.1350	0.1438
	Demand peak season (\$/kW/mth)	8.7420	-	9.0165	9.4061	9.9065
	Demand off-peak season (\$/kW/mth)	2.1856	-	2.2542	2.3516	2.4767
NASN19	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy - All Time (\$/kWh)	0.1501	0.1713	0.1760	0.1828	0.1941
	Demand peak season (\$/kW/mth)	1.7484	-	1.8033	1.8812	1.9812
	Demand off-peak season (\$/kW/mth)	0.4371	-	0.4508	0.4703	0.4953
NEE20	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy - peak (\$/kWh)	0.1906	0.1893	0.1946	0.1979	0.1904
	Energy - off-peak (\$/kWh)	0.0463	0.0400	0.0410	0.0448	0.0606
NEN20	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy - peak (\$/kWh)	0.1134	0.1117	0.1146	0.1187	0.1266
	Energy - off-peak (\$/kWh)	0.0463	0.0327	0.0335	0.0448	0.0606
NEE21	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy - peak (\$/kWh)	0.1778	0.1811	0.1861	0.1933	0.1959
	Energy - off-peak (\$/kWh)	0.0463	0.0422	0.0433	0.0448	0.0606

Tariff	Charging Parameter	TSS 2017	2017	2018	2019	2020
NSP20	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy - summer peak (\$/kWh)	0.3402	0.4102	0.4224	0.4398	0.4648
	Energy - summer shoulder (\$/kWh)	0.3228	0.3615	0.3722	0.3874	0.4096
	Energy - winter peak (\$/kWh)	0.1372	0.3189	0.3282	0.3415	0.3613
	Energy - off peak (\$/kWh)	0.0640	0.0326	0.0333	0.0496	0.0616
NEN21	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy - peak (\$/kWh)	0.1335	0.1328	0.1363	0.1868	0.1984
	Energy - off-peak (\$/kWh)	0.0463	0.0656	0.0674	0.0539	0.0570
NASN21	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy - peak (\$/kWh)	0.1682	0.1737	0.1785	0.1853	0.1868
	Energy - off peak (\$/kWh)	0.0463	0.0422	0.0433	0.0448	0.0606
	Demand peak season (\$/kW/mth)	1.7484	-	1.8033	1.8812	1.9812
	Demand off-peak season (\$/kW/mth)	0.4371	-	0.4508	0.4703	0.4953
NEE23	Fixed (\$)	102.40	118.00	121.71	126.96	133.72
	Energy - peak (\$/kWh)	0.1906	0.1893	0.1946	0.1994	0.1965
	Energy - off-peak (\$/kWh)	0.0463	0.0400	0.0410	0.0448	0.0606
	Energy - Summer Export (\$/kWh)		0.0348	0.0359	0.0374	0.0394
NEE24	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy - peak (\$/kWh)	0.0868	0.0838	0.0858	0.0887	0.0950
	Energy - off-peak (\$/kWh)	0.0463	0.0212	0.0215	0.0389	0.0546
NGT26	Fixed (\$)	102.40	107.00	110.36	115.13	121.25
	Energy - peak (\$/kWh)	0.1424	0.1422	0.1460	0.1515	0.1463
	Energy - shoulder (\$/kWh)	0.1115	0.1097	0.1126	0.1165	0.1244
	Energy - off-peak (\$/kWh)	0.0463	0.0339	0.0347	0.0448	0.0606
NEE30	Fixed (\$)	-	-	-	-	-
	Energy - off-peak (\$/kWh)	0.0463	0.0303	0.0310	0.0448	0.0606
NEE31	Fixed (\$)	-	-	-	-	-
	Energy - off-peak (\$/kWh)	0.0463	0.0261	0.0267	0.0448	0.0606
NEE32	Fixed (\$)	-	-	-	-	-
	Energy - off-peak (\$/kWh)	0.0463	0.0311	0.0318	0.0389	0.0546
NEE55	Fixed (\$)	510.40	372.00	375.36	380.13	381.25
	Energy - peak (\$/kWh)	0.1548	0.1587	0.1633	0.1697	0.1808
	Energy - off-peak (\$/kWh)	0.0433	0.0444	0.0457	0.0475	0.0506
NEE52	Fixed (\$)	-	-	-	-	-
	Energy - peak (\$/kWh)	0.2101	0.2132	0.2193	0.2279	0.2416

Tariff	Charging Parameter	TSS 2017	2017	2018	2019	2020
	Energy - off-peak (\$/kWh)	0.0877	0.0879	0.0904	0.0939	0.0991
NSP56	Fixed (\$)	2,792.70	2,765.00	2,843.50	2,954.89	3,092.99
	Energy - peak (\$/kWh)	0.1233	0.1256	0.1291	0.1341	0.1433
	Energy - shoulder (\$/kWh)	0.0944	0.0954	0.0979	0.1015	0.1090
	Energy - off-peak (\$/kWh)	0.0410	0.0420	0.0432	0.0449	0.0479
	Demand capacity (\$/kVa/mth)	18.4385	19.3400	19.9473	20.8090	21.9160
	Demand critical peak (\$/kVa/mth)	30.7308	32.2400	33.2523	34.6888	36.5343
NSP75	Fixed (\$)	5,693.70	5,815.00	5,989.27	6,236.56	6,549.25
	Energy - peak (\$/kWh)	0.0462	0.0450	0.0460	0.0473	0.0519
	Energy - shoulder (\$/kWh)	0.0369	0.0356	0.0363	0.0373	0.0413
	Energy - off-peak (\$/kWh)	0.0159	0.0161	0.0165	0.0170	0.0185
	Demand capacity (\$/kVa/mth)	46.0962	47.5000	48.9915	51.1079	53.8269
	Demand critical peak (\$/kVa/mth)	73.7539	80.0000	82.5120	86.0765	90.6558
NSP76	Fixed (\$)	5,693.70	5,815.00	5,989.27	6,236.56	6,549.25
	Energy - peak (\$/kWh)	0.0454	0.0433	0.0442	0.0455	0.0500
	Energy - shoulder (\$/kWh)	0.0358	0.0333	0.0339	0.0348	0.0387
	Energy - off-peak (\$/kWh)	0.0158	0.0148	0.0151	0.0156	0.0170
	Demand capacity (\$/kVa/mth)	49.1693	49.0000	50.5386	52.7219	55.5267
	Demand critical peak (\$/kVa/mth)	81.9488	83.0000	85.6062	89.3044	94.0554
NSP77	Fixed (\$)	5,693.70	5,815.00	5,989.27	6,236.56	6,549.25
	Energy - peak (\$/kWh)	0.0443	0.0428	0.0437	0.0450	0.0494
	Energy - shoulder (\$/kWh)	0.0351	0.0331	0.0337	0.0345	0.0385
	Energy - off-peak (\$/kWh)	0.0145	0.0142	0.0145	0.0149	0.0163
	Demand capacity (\$/kVa/mth)	51.2180	53.7300	55.4171	57.8111	60.8867
	Demand critical peak (\$/kVa/mth)	85.0218	89.1800	91.9803	95.9538	101.0585
NSP78	Fixed (\$)	5,693.70	5,815.00	5,989.27	6,236.56	6,549.25
	Energy - peak (\$/kWh)	0.0413	0.0397	0.0405	0.0416	0.0459
	Energy - shoulder (\$/kWh)	0.0331	0.0311	0.0316	0.0323	0.0361
	Energy - off-peak (\$/kWh)	0.0131	0.0127	0.0130	0.0134	0.0147
	Demand capacity (\$/kVa/mth)	56.3398	59.1000	60.9557	63.5890	66.9720
	Demand critical peak (\$/kVa/mth)	93.2167	97.7800	100.8503	105.2070	110.8040
NSP81	Fixed (\$)	5,693.70	5,815.00	5,989.27	6,236.56	6,549.25
	Energy - peak (\$/kWh)	0.0223	0.0197	0.0199	0.0201	0.0232
	Energy - off-peak (\$/kWh)	0.0068	0.0062	0.0062	0.0063	0.0072

Tariff	Charging Parameter	TSS 2017	2017	2018	2019	2020
	Demand capacity (\$/kVa/mth)	36.8769	38.6800	39.8946	41.6180	43.8321
	Demand critical peak (\$/kVa/mth)	60.4372	63.4000	65.3908	68.2156	71.8447
NSP82	Fixed (\$)	5,693.70	5,815.00	5,989.27	6,236.56	6,549.25
	Energy - peak (\$/kWh)	0.0217	0.0191	0.0192	0.0194	0.0225
	Energy - shoulder (\$/kWh)	0.0217	0.0191	0.0192	0.0194	0.0225
	Energy - off-peak (\$/kWh)	0.0086	0.0080	0.0081	0.0083	0.0093
	Demand capacity (\$/kVa/mth)	33.8039	35.4600	36.5734	38.1534	40.1832
	Demand critical peak (\$/kVa/mth)	55.3154	58.0200	59.8418	62.4270	65.7481
NSP83	Fixed (\$)	5,693.70	5,815.00	5,989.27	6,236.56	6,549.25
	Energy - peak (\$/kWh)	0.1077	0.1092	0.1122	0.1165	0.1247
	Energy - shoulder (\$/kWh)	0.0489	0.0476	0.0486	0.0501	0.0549
	Energy - off-peak (\$/kWh)	0.0147	0.0144	0.0147	0.0151	0.0165
	Demand capacity (\$/kVa/mth)	3.9335	4.1300	4.2597	4.4437	4.6801
	Demand critical peak (\$/kVa/mth)	6.5149	6.8300	7.0445	7.3488	7.7397
NSP91	Fixed (\$)	19,461.00	20,245.00	20,872.37	21,762.61	22,901.28
	Energy - peak (\$/kWh)	0.0221	0.0195	0.0197	0.0199	0.0230
	Energy - off-peak (\$/kWh)	0.0053	0.0045	0.0045	0.0045	0.0054
	Demand capacity (\$/kVa/mth)	2.4585	2.5800	2.6610	2.7760	2.9236
	Demand critical peak (\$/kVa/mth)	4.0565	4.2600	4.3938	4.5836	4.8274
NEE93	Fixed (\$)	408.00	-	-	-	-
	Energy - peak (\$/kWh)	0.0206	0.0193	0.0196	0.0201	0.0225
	Energy - off-peak (\$/kWh)	0.0206	0.0193	0.0196	0.0201	0.0225
NSP94	Fixed (\$)	19,461.00	20,245.00	20,872.37	21,762.61	22,901.28
	Energy - peak (\$/kWh)	0.0218	0.0192	0.0193	0.0195	0.0226
	Energy - off-peak (\$/kWh)	0.0051	0.0043	0.0043	0.0043	0.0052
	Demand capacity (\$/kVa/mth)	1.8438	1.9300	1.9906	2.0766	2.1871
	Demand critical peak (\$/kVa/mth)	3.0526	3.2000	3.3005	3.4431	3.6262
NSP95	Fixed (\$)	19,461.00	20,245.00	20,872.37	21,762.61	22,901.28
	Energy - peak (\$/kWh)	0.0224	0.0198	0.0200	0.0202	0.0234
	Energy - off-peak (\$/kWh)	0.0055	0.0047	0.0047	0.0048	0.0056
	Demand capacity (\$/kVa/mth)	3.8106	4.0000	4.1256	4.3038	4.5328
	Demand critical peak (\$/kVa/mth)	6.3305	6.6400	6.8485	7.1444	7.5244

4.7 Long run Marginal Cost

A detailed explanation of AusNet Services' compliance with the requirement that tariffs be based on the long run marginal cost is set out in section B.2 of its approved TSS. AusNet Services has used the Average Incremental Cost (AIC) approach in calculating the LRMC and the following table shows the results of this calculation.

Table 4.7 - Results of AusNet Services' LRMC analysis

Voltage Level	LRMC (\$/kVA)
Low Voltage	\$88.70
High Voltage	\$24.58
Sub transmission	\$16.08

4.8 Stand Alone and Avoidable Costs

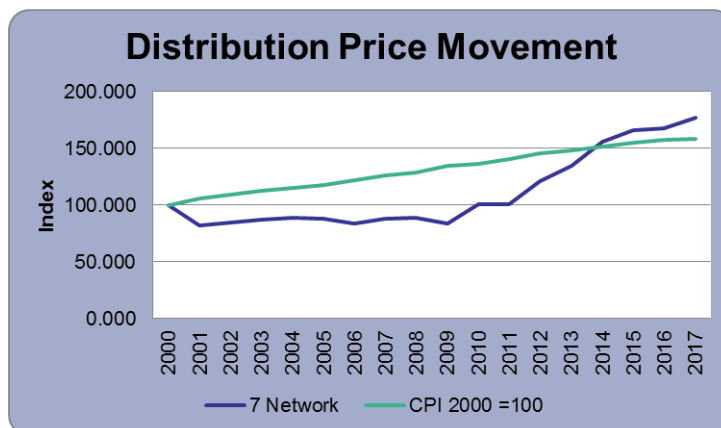
Section B.3 of the AusNet Services approved TSS sets out how AusNet Services tariffs comply with the requirement that tariffs be set between the stand alone cost and the avoidable costs of supply to a tariff class. The following table shows how the 2017 tariffs meet this objective.

Table 4.8 - Stand Alone & Avoidable Costs

Tariff Class	Stand alone Cost (\$/kWh)	Average All-in Retail Bill Avoided (\$/kWh)	Avoided Distribution Costs	Average DUoS Bill
Residential	\$0.84	\$0.27	\$0.0210	\$0.110
Small I & C	\$0.60	\$0.25	\$0.0510	\$0.115
Large I & C	\$1.13	Not applicable	\$0.0150	\$0.063
High Voltage	\$0.39	Not applicable	\$0.0030	\$0.028
Sub Transmission	\$0.02	Not applicable	\$0.0004	\$0.007

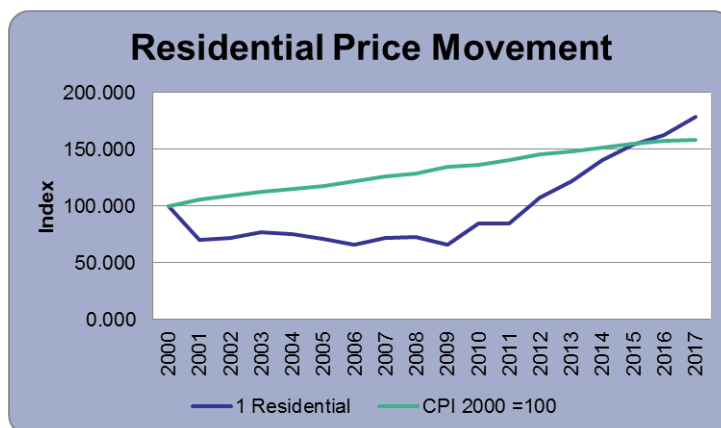
5 Variations To Tariffs

It is proposed that Distribution tariffs will increase at an overall rate of 7.22% from 2016 levels. Historic change is shown in the figure below.



5.1 Small Residential

AusNet Services' residential tariffs apply to customers using less than 160MWh a year for predominantly private domestic purposes. These customers are connected to the low voltage network, 240/415 volts and with a maximum load less than 50kVA. The following chart shows how Distribution Use of System Charges have varied for this group of customers since 2000 compared to the CPI over the same period. The overall change in distribution tariffs for this customer group between 2016 to 2017 is 7.36%



The following Tables show how tariffs changes in 2017 have impacted customers for the most common residential tariff types.

NEE11						
	Base Case	Very Low	Low	Average	High	Very High
Energy	4.20 MWh	1.26 MWh	2.94 MWh	4.20 MWh	5.46 MWh	7.14 MWh
Existing	\$ 551.93	\$ 235.58	\$ 416.35	\$ 551.93	\$ 687.51	\$ 868.28
Proposed	\$ 559.47	\$ 242.74	\$ 423.73	\$ 559.47	\$ 695.21	\$ 876.20
Change	1.37%	3.04%	1.77%	1.37%	1.12%	0.91%

NEE20						
	Base Case	Very Low	Low	Average	High	Very High
Energy	6.86 MWh	2.06 MWh	4.80 MWh	6.86 MWh	8.92 MWh	11.66 MWh
Existing	\$ 782.95	\$ 304.88	\$ 578.06	\$ 782.95	\$ 987.83	\$ 1,261.01
Proposed	\$ 801.09	\$ 315.23	\$ 592.86	\$ 801.09	\$ 1,009.32	\$ 1,286.96
Change	2.32%	3.39%	2.56%	2.32%	2.18%	2.06%

NGT26						
	Base Case	Very Low	Low	Average	High	Very High
Energy	3.46 MWh	1.04 MWh	2.42 MWh	3.46 MWh	4.49 MWh	5.88 MWh
Existing	\$ 433.17	\$ 199.95	\$ 333.22	\$ 433.17	\$ 533.13	\$ 666.40
Proposed	\$ 441.15	\$ 207.25	\$ 340.91	\$ 441.15	\$ 541.40	\$ 675.06
Change	1.84%	3.65%	2.31%	1.84%	1.55%	1.30%

NEE23						
	Base Case	Very Low	Low	Average	High	Very High
Energy	3.31 MWh	0.99 MWh	2.31 MWh	3.31 MWh	4.30 MWh	5.62 MWh
Existing	\$ 545.58	\$ 240.67	\$ 414.91	\$ 545.58	\$ 676.26	\$ 850.49
Proposed	\$ 559.90	\$ 250.57	\$ 427.33	\$ 559.90	\$ 692.46	\$ 869.22
Change	2.62%	4.11%	2.99%	2.62%	2.40%	2.20%

NEE24						
	Base Case	Very Low	Low	Average	High	Very High
Energy	4.19 MWh	1.26 MWh	2.93 MWh	4.19 MWh	5.44 MWh	7.12 MWh
Existing	\$ 274.43	\$ 152.33	\$ 222.10	\$ 274.43	\$ 326.76	\$ 396.53
Proposed	\$ 271.93	\$ 156.48	\$ 222.45	\$ 271.93	\$ 321.41	\$ 387.38
Change	-0.91%	2.72%	0.16%	-0.91%	-1.64%	-2.31%

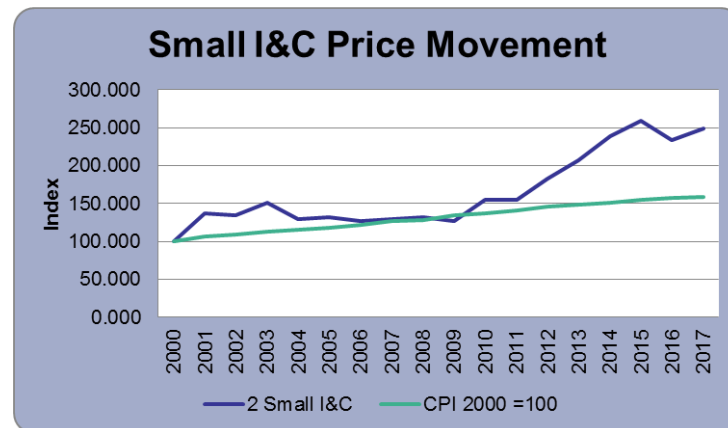
NEE30						
	Base Case	Very Low	Low	Average	High	Very High
Energy	1.38 MWh	0.41 MWh	0.97 MWh	1.38 MWh	1.80 MWh	2.35 MWh
Existing	\$ 44.52	\$ 13.36	\$ 31.16	\$ 44.52	\$ 57.88	\$ 75.68
Proposed	\$ 41.84	\$ 12.55	\$ 29.29	\$ 41.84	\$ 54.39	\$ 71.13
Change	-6.02%	-6.02%	-6.02%	-6.02%	-6.02%	-6.02%

NEE31						
	Base Case	Very Low	Low	Average	High	Very High
Energy	3.50 MWh	1.05 MWh	2.45 MWh	3.50 MWh	4.55 MWh	5.95 MWh
Existing	\$ 99.16	\$ 29.75	\$ 69.41	\$ 99.16	\$ 128.90	\$ 168.56
Proposed	\$ 91.36	\$ 27.41	\$ 63.95	\$ 91.36	\$ 118.77	\$ 155.31
Change	-7.86%	-7.86%	-7.86%	-7.86%	-7.86%	-7.86%

NEE32						
	Base Case	Very Low	Low	Average	High	Very High
Energy	1.35 MWh	0.41 MWh	0.95 MWh	1.35 MWh	1.76 MWh	2.30 MWh
Existing	\$ 44.61	\$ 13.38	\$ 31.23	\$ 44.61	\$ 58.00	\$ 75.84
Proposed	\$ 42.06	\$ 12.62	\$ 29.45	\$ 42.06	\$ 54.68	\$ 71.51
Change	-5.71%	-5.71%	-5.71%	-5.71%	-5.71%	-5.71%

5.2 Small Industrial & Commercial

The Victorian Government has explicitly excluded Small Business tariffs from the Flexible Pricing arrangements and from the opt in arrangements for Cost reflective tariffs where annual use is in excess of 40MWh. AusNet Services has not included any Flexible tariffs for Small Businesses and has included new cost reflective tariffs for customers using more than 40MWh. The following chart shows how Distribution Use of System Charges have varied for this group of customers since 2000 compared to the CPI over the same period. The overall change in distribution tariffs for this customer group between 2016 and 2017 is 7.43%



The following Tables show how tariffs changes in 2017 have impacted customers for the most common Small Industrial & Commercial tariff types.

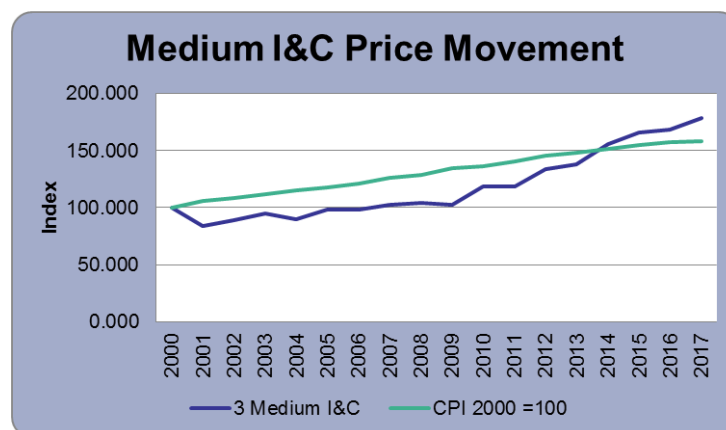
NEE12						
	Base Case	Very Low	Low	Average	High	Very High
Energy	7.03 MWh	2.11 MWh	4.92 MWh	7.03 MWh	9.14 MWh	11.95 MWh
Existing	\$ 1,199.92	\$ 429.98	\$ 869.94	\$ 1,199.92	\$ 1,529.90	\$ 1,969.87
Proposed	\$ 1,233.42	\$ 444.93	\$ 895.50	\$ 1,233.42	\$ 1,571.35	\$ 2,021.92
Change	2.79%	3.48%	2.94%	2.79%	2.71%	2.64%

NEE21						
	Base Case	Very Low	Low	Average	High	Very High
Energy	17.41 MWh	5.22 MWh	12.19 MWh	17.41 MWh	22.63 MWh	29.60 MWh
Existing	\$ 2,189.96	\$ 726.99	\$ 1,562.97	\$ 2,189.96	\$ 2,816.95	\$ 3,652.93
Proposed	\$ 2,274.84	\$ 757.35	\$ 1,624.49	\$ 2,274.84	\$ 2,925.20	\$ 3,792.34
Change	3.88%	4.18%	3.94%	3.88%	3.84%	3.82%

NSP27						
	Base Case	Very Low	Low	Average	High	Very High
Energy	41.33 MWh	12.40 MWh	28.93 MWh	41.33 MWh	53.72 MWh	70.25 MWh
Existing	\$ 3,522.90	\$ 1,126.87	\$ 2,496.03	\$ 3,522.90	\$ 4,549.77	\$ 5,918.93
Proposed	\$ 3,594.73	\$ 1,153.32	\$ 2,548.41	\$ 3,594.73	\$ 4,641.05	\$ 6,036.14
Change	2.04%	2.35%	2.10%	2.04%	2.01%	1.98%

5.3 Medium Industrial & Commercial

Medium customers are customers that consume between 160MWh and 400MWh per annum. Examples of this customer class are medium sized commercial and light industrial businesses. The following chart shows how Distribution Use of System Charges have varied for this group of customers since 2000 compared to the CPI over the same period. The overall change in distribution tariffs for this customer group between 2016 and 2017 is 7.45%



The following Tables show how tariffs changes in 2017 have impacted customers for the most common Medium Industrial & Commercial tariff types.

NEE40						
	Base Case	Very Low	Low	Average	High	Very High
Energy	8.05 MWh	2.42 MWh	5.64 MWh	8.05 MWh	10.47 MWh	13.69 MWh
Existing	\$ 1,812.24	\$ 613.67	\$ 1,298.56	\$ 1,812.24	\$ 2,325.91	\$ 3,010.80
Proposed	\$ 1,883.29	\$ 639.89	\$ 1,350.40	\$ 1,883.29	\$ 2,416.18	\$ 3,126.69
Change	3.92%	4.27%	3.99%	3.92%	3.88%	3.85%

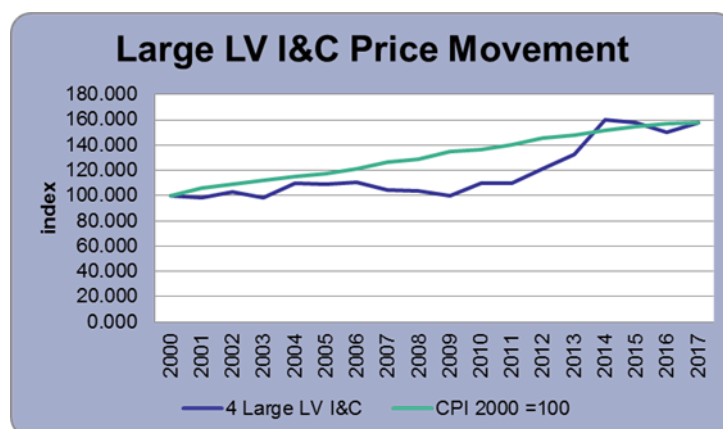
NEE51						
	Base Case	Very Low	Low	Average	High	Very High
Energy	102.36 MWh	30.71 MWh	71.65 MWh	102.36 MWh	133.07 MWh	174.01 MWh
Existing	\$ 13,186.95	\$ 4,026.09	\$ 9,260.87	\$ 13,186.95	\$ 17,113.04	\$ 22,347.82
Proposed	\$ 13,515.05	\$ 4,129.41	\$ 9,492.63	\$ 13,515.05	\$ 17,537.46	\$ 22,900.68
Change	2.49%	2.57%	2.50%	2.49%	2.48%	2.47%

NSP56						
	Base Case	Very Low	Low	Average	High	Very High
Energy	242.19 MWh	72.66 MWh	169.53 MWh	242.19 MWh	314.84 MWh	411.72 MWh
Existing	\$ 27,018.15	\$ 10,020.65	\$ 19,733.51	\$ 27,018.15	\$ 34,302.80	\$ 44,015.66
Proposed	\$ 28,154.45	\$ 10,381.84	\$ 20,537.62	\$ 28,154.45	\$ 35,771.29	\$ 45,927.07
Change	4.21%	3.60%	4.07%	4.21%	4.28%	4.34%

NEE60						
	Base Case	Very Low	Low	Average	High	Very High
Energy	85.14 MWh	25.54 MWh	59.60 MWh	85.14 MWh	110.68 MWh	144.74 MWh
Existing	\$ 5,789.29	\$ 2,092.39	\$ 4,204.91	\$ 5,789.29	\$ 7,373.68	\$ 9,486.20
Proposed	\$ 5,751.82	\$ 1,985.95	\$ 4,137.87	\$ 5,751.82	\$ 7,365.76	\$ 9,517.69
Change	-0.65%	-5.09%	-1.59%	-0.65%	-0.11%	0.33%

5.4 Large LV Industrial & Commercial

Large customers are those customers who consume more than 400 MWh per annum. Examples of large customers are large industrial sites, commercial buildings, embedded networks, and large public owned enterprises. The following chart shows how Distribution Use of System Charges have varied for this group of customers since 2000 compared to the CPI over the same period. The overall change in distribution tariffs for this customer group between 2016 and 2017 is 6.22%



The following Tables show how tariffs changes in 2017 have impacted customers for Large Industrial & Commercial tariff types.

NSP75						
	Base Case	Very Low	Low	Average	High	Very High
Energy	546.64 MWh	163.99 MWh	382.64 MWh	546.64 MWh	710.63 MWh	929.28 MWh
Existing	\$ 43,009.55	\$ 16,800.46	\$ 31,777.08	\$ 43,009.55	\$ 54,242.01	\$ 69,218.63
Proposed	\$ 44,828.18	\$ 17,518.95	\$ 33,124.22	\$ 44,828.18	\$ 56,532.13	\$ 72,137.40
Change	4.23%	4.28%	4.24%	4.23%	4.22%	4.22%

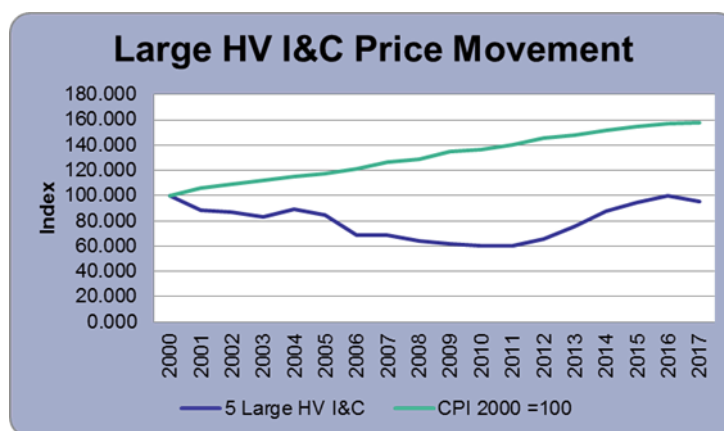
NSP76						
	Base Case	Very Low	Low	Average	High	Very High
Energy	1,232.08 MWh	369.62 MWh	862.45 MWh	1,232.08 MWh	1,601.70 MWh	2,094.53 MWh
Existing	\$ 88,599.31	\$ 30,477.39	\$ 63,689.92	\$ 88,599.31	\$ 113,508.70	\$ 146,721.22
Proposed	\$ 88,560.50	\$ 30,638.65	\$ 63,736.85	\$ 88,560.50	\$ 113,384.15	\$ 146,482.36
Change	-0.04%	0.53%	0.07%	-0.04%	-0.11%	-0.16%

NSP77						
	Base Case	Very Low	Low	Average	High	Very High
Energy	2,200.86 MWh	660.26 MWh	1,540.60 MWh	2,200.86 MWh	2,861.12 MWh	3,741.47 MWh
Existing	\$ 149,898.07	\$ 48,867.02	\$ 106,599.05	\$ 149,898.07	\$ 193,197.09	\$ 250,929.12
Proposed	\$ 154,779.10	\$ 50,504.23	\$ 110,089.87	\$ 154,779.10	\$ 199,468.34	\$ 259,053.98
Change	3.26%	3.35%	3.27%	3.26%	3.25%	3.24%

NSP78						
	Base Case	Very Low	Low	Average	High	Very High
Energy	4,690.72 MWh	1,407.22 MWh	3,283.50 MWh	4,690.72 MWh	6,097.93 MWh	7,974.22 MWh
Existing	\$ 288,358.15	\$ 90,405.05	\$ 203,521.11	\$ 288,358.15	\$ 373,195.20	\$ 486,311.26
Proposed	\$ 296,180.04	\$ 92,924.51	\$ 209,070.52	\$ 296,180.04	\$ 383,289.55	\$ 499,435.56
Change	2.71%	2.79%	2.73%	2.71%	2.70%	2.70%

5.5 Large HV Industrial & Commercial

Customers connected to the AusNet Services High Voltage 22kV, 11kV or 6.6kV networks are assigned to a High Voltage Network tariff. The following chart shows how Distribution Use of System Charges have varied for this group of customers since 2000 compared to the CPI over the same period. The overall change in distribution tariffs for this customer group between 2016 and 2017 is 7.45%



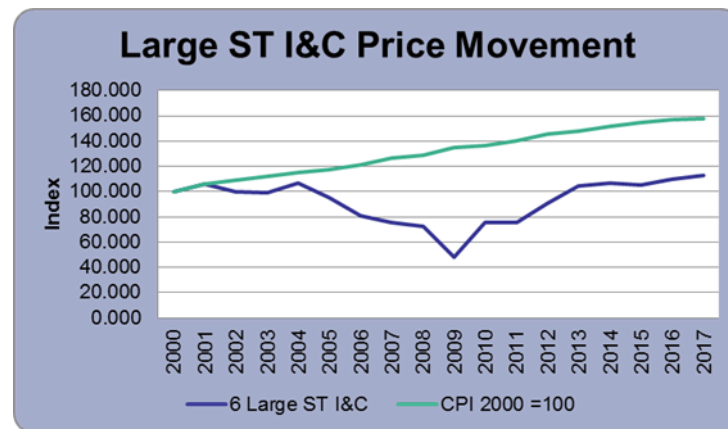
The following Tables show how tariffs changes in 2017 have impacted customers for High Voltage Industrial & Commercial tariff types.

NSP81						
	Base Case	Very Low	Low	Average	High	Very High
Energy	10,578.68 MWh	3,173.60 MWh	7,405.08 MWh	10,578.68 MWh	13,752.29 MWh	17,983.76 MWh
Existing	\$ 372,784.43	\$ 115,732.93	\$ 262,619.50	\$ 372,784.43	\$ 482,949.37	\$ 629,835.94
Proposed	\$ 371,067.21	\$ 115,390.66	\$ 261,491.54	\$ 371,067.21	\$ 480,642.87	\$ 626,743.75
Change	-0.46%	-0.30%	-0.43%	-0.46%	-0.48%	-0.49%

NSP83						
	Base Case	Very Low	Low	Average	High	Very High
Energy	1,287.39 MWh	386.22 MWh	901.17 MWh	1,287.39 MWh	1,673.60 MWh	2,188.56 MWh
Existing	\$ 75,533.74	\$ 26,557.72	\$ 54,544.02	\$ 75,533.74	\$ 96,523.46	\$ 124,509.76
Proposed	\$ 77,631.42	\$ 27,359.93	\$ 56,086.50	\$ 77,631.42	\$ 99,176.35	\$ 127,902.92
Change	2.78%	3.02%	2.83%	2.78%	2.75%	2.73%

5.6 Large ST Industrial & Commercial

AusNet Services has only a small number of customers taking supply directly from the sub-transmission system. These customers are very diverse in terms of their location, the size of their load and their annual energy use. In recognition of this diversity, AusNet Services has developed a pricing methodology that is based on customer's size and distance from Terminal Stations. The following chart shows how Distribution Use of System Charges have varied for this group of customers since 2000 compared to the CPI over the same period. The overall change in distribution tariffs for this customer group between 2016 and 2017 is 7.36%



The following Tables show how tariffs changes in 2017 have impacted customers for Sub Transmission Industrial & Commercial tariff types.

All 90s (Excludes NEE93)						
	Base Case	Very Low	Low	Average	High	Very High
Energy	44,122.90 MWh	13,236.87 MWh	30,886.03 MWh	44,122.90 MWh	57,359.77 MWh	75,008.93 MWh
Existing	\$ 666,911.12	\$ 213,378.94	\$ 472,540.19	\$ 666,911.12	\$ 861,282.06	\$ 1,120,443.31
Proposed	\$ 603,504.60	\$ 195,222.88	\$ 428,526.72	\$ 603,504.60	\$ 778,482.48	\$ 1,011,786.32
Change	-9.51%	-8.51%	-9.31%	-9.51%	-9.61%	-9.70%

5.7 Capacity & Critical Peak Tariffs

AusNet Services has a Capacity & Critical peak Demand Tariff for medium and large customers. Details on the structure and operation of this tariff are set out below.

Table 5.7 - AusNet Services' Critical Peak Demand Tariff

>160MWh (large LV, HV and Sub-transmission customers)	
Tariff Component	Proposed Tariff
Capacity Charge	<ol style="list-style-type: none"> Low Voltage Capacity charge based on the nameplate rating of the transformer supplying the customer's installation. For sites where the transformer is not dedicated to the customer installation the charge will be established as the portion of the transformer that is allocated to the customer's requirements. High Voltage & Sub transmission Capacity based on the rating of the cabling and switchgear that makes the customer connection point.

>160MWh (large LV, HV and Sub-transmission customers)	
Tariff Component	Proposed Tariff
Critical Peak Demand Charge	The demand charge will be based on the average of customer's maximum kVA recorded on the 5 nominated peak demand weekdays during the Defined Critical Peak Demand Period.
Defined Critical Peak Demand Period	Days must be during the period of December to March, and the days will be nominated and communicated to customers with a minimum of one business days notice. The period during which the demand is to be measured only includes between 2pm-6pm on the nominated day. The 5 maximum's are averaged and used as the basis for the demand charge for the 12 month period from April to March.
Energy Charge	Peak, Off Peak or Peak, Shoulder & Off Peak similar to existing charges
Standing Charge	Fixed annual charge, similar to existing charges

As indicated above, the key reasons for replacing the anytime demand tariff with this Capacity charge and Critical Peak Demand charge are that it:

- better targets the demand that is driving system capacity constraints, as it focuses only on Demand during peak times of the peak day:
- overcomes the inequities whereby a customer is charged a 'Demand' tariff on their peak 'demand', even though that demand is not contributing to the overall system peak, and therefore, is not contributing to AusNet Services' future augmentation costs,
- is easier for customers to respond to, as they only have to alter their consumption for between 1 to 5 days, and for 4 hours within those days, to get a benefit, whereas the traditional demand tariff requires a permanent step down in electricity consumption, which provides more scope for customers to change their consumption in response to the price signal (eg: use of back up generation on those days, changed hours of operation on those days), and
- is clearly tied to 'past' peak demand, therefore there are less costs associated with administering this tariff as demand adjustments for existing customers are not required (although there will be some increased costs in communicating this tariff, the net effect having been included in this Proposal).

AusNet Services will advise the nominated days to customers and their respective Retailers concurrently, at least one business day in advance. In addition, AusNet Services will use a longer range weather forecast to flag with customers the possible nomination of a day up to a week in advance. This will not represent a firm commitment; rather, it would provide customers with advance

notice of the possible nomination of a certain day, which in turn will allow them to make some preparations in advance. The final nomination would still occur at least 1 business day prior to the nominated day. AusNet Services notes that this 'advance notification' stems from a suggestion that was made by a Retailer at one of the one-on-one retailer forums that AusNet Services held with all key Retailers to discuss the introduction of these tariffs.

AusNet Services will communicate this nominated day via any electronic form of notification such as SMS, email and by posting to the AusNet Services website.

6 Designated Pricing Proposal Charges

6.1 Overview

A Distribution Business's Annual pricing Proposal is required to show how Designated Pricing Proposal Charges are applied to customers and what adjustments relate to previous years. Clause 6.18.2 (b) (6) specifically requires that "A *pricing proposal* must: set out how *designated pricing proposal charges* are to be passed on to customers and any adjustments to tariffs resulting from over or under recovery of those charges in the previous *regulatory year*"

This section describes what designated pricing proposal charges are and how AusNet Services proposes to recover them in 2017. An explanation is provided of the mechanism that accounts for any year on year over or under recovery of these charges including the transition from the 2011-15 Regulatory period which has a final impact on 2017 prices.

Transmission service costs are recovered from Distribution Customers through the Designated Pricing Proposal charges. AusNet Services makes payments for Transmission services to the following industry participants for the services noted:

Participant	Transmission/Network Service
AusNet Services Transmission	Transmission Connection Services
AEMO	Transmission Use of System Services
Embedded Generators	Avoided Transmission Use of System Services
Other Distributors	Transmission Use of System and Distribution Services

6.2 Charges for 2017

AusNet Services has estimated payments for the services covered by the Designated Pricing Proposal for 2017 to be:

Transmission Network Service Provider	\$M
AEMO	84.260
AusNet Services Transmission	11.053
Embedded generators	0.779
Inter-network	-5.000
Total (AEMO + Embedded Generators – Inter-Network)	90.328

AusNet Services recovers the costs of the above services through an energy charge to customers. The energy charges are allocated to peak and off peak periods for each network tariff.

AusNet Services had an over recovery of \$4,464,579 for 2015, after adjusting this amount for the 2016 CPI and the Pre-Tax WACC for the period AusNet Services must pay back \$5,000,452 to customers in 2017. For 2016 AusNet Services has estimated that the Designated Pricing proposal rates for the year will result in an under recovery of \$2,817,784. Under the 2016-20 Price Determination AusNet Services is required to adjust this by the Nominal Pre-tax WACC and add \$2,893,699 to the 2017 DPPC revenue. The following table sets out the DPPC recovery arrangements for 2017:

Total Designated Pricing Payment Recovery for 2017	\$M
Transmission Charges for 2017	90.239
DPPC revenue under recovery approved	-2.965
Transmission revenue over recovery for years 2014 and 2015	-5.000
Total DPPC related payments for 2017	82.363

After including these adjustments AusNet Services DPPC recovery for 2017 is forecast to be \$82,363,258.

7 Jurisdictional Pricing Proposal Charges

7.1 Overview

Under Victorian legislation AusNet Services is required to make payments to certain customers with small generation systems, mainly solar panel installations, for the energy that they feed in to the network. Two schemes have been operating for the past five years, the Premium scheme and the Transitional scheme. The Transitional scheme ceased to operate on 31 December 2016, the Premium scheme will continue to operate until 1 November 2024.

A Distribution Business's Annual pricing Proposal is required to show how Jurisdictional Pricing Proposal Charges are applied to customers and what adjustments relate to previous years. Clause 6.18.2 (b) (6A) specifically requires that "A *pricing proposal* must: set out how jurisdictional scheme amounts for each approved jurisdictional scheme are to be passed on to customers and any adjustments to tariffs resulting from over or under recovery of those amounts;"

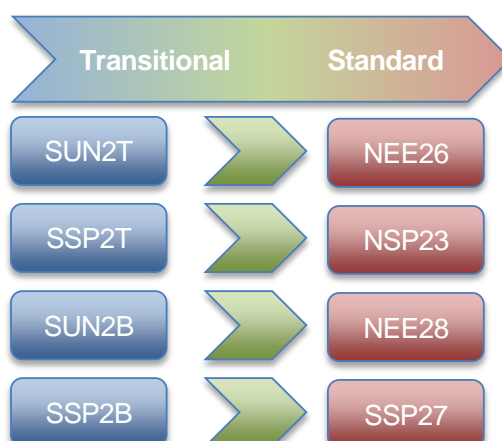
This section describes what Jurisdictional pricing proposal charges are and how AusNet Services proposes to recover them in 2017. An explanation is provided of the mechanism that accounts for any year on year over or under recovery of these charges including the transition from the 2011-15 Regulatory period which has a final impact on 2017 prices.

Amounts paid out for Jurisdictional schemes are recovered from Distribution Customers through the Jurisdictional Pricing Proposal charges. AusNet Services makes payments to retailers with qualifying customers on tariffs that have a Premium Feed in Tariff component with Network invoices each month.

7.2 Transitional Feed In Tariff Closure

The Transitional Feed-In Tariff scheme paid participants with small-scale solar power systems of five kilowatts capacity or less a minimum credit of 25 cents per kilowatt hour for surplus electricity fed back into the grid, this scheme is closed as of 31 December 2016.

Customers who were on TFIT have been assigned to a Standard Feed-In scheme effective from 1 January 2017. The following diagram shows how customers on Transitional Feed-In tariffs were reassigned on 1 January 2017.



7.3 Jurisdictional Charges for 2017

Jurisdictional Charges for 2017 are made up of the residual under/over recovery from 2015 and the under/over recovery for 2016 and forecast Premium payments for 2017. The following table sets out the amounts to be recovered in 2017 tariffs:

Table 7.3 - JSA Recovery Arrangements

Jurisdictional Recovery Amounts	\$M
Premium Feed-In Charges for 2017	26.000
Approved over recovery	0.742
Under recovery from 2014 and 2015	-0.968
Total recovered by tariffs for 2017	25.775

The tariffs that have been set to recover an amount of \$25,774,664 are set out in Attachment 12.4. This is 34.8% less than is estimated to be recovered in 2016 mostly due to the closure of the Transitional Scheme.

8 Public Lighting

8.1 Public Lighting Overview

AusNet Services provides public lighting services to 30 local government councils, Vic Roads, the Alpine Resorts Commission and Gippsland Ports. The services provided include the installation, maintenance and repair of public lighting installations, the operation of a fault and emergency call centre, a GIS system to locate and identify light installations. Energy supplied to Public Lights is a contestable service; to facilitate market settlement AusNet Services derives the unmetered 30 minute energy data for the public lights this data is then placed into the market and used for the retail billing of energy consumed by public lights.

Typically lighting installations includes poles, brackets, lanterns, wiring, and control gear. Currently, the AusNet Services manages and maintains around 145,000 streetlights in our electricity distribution area. Energy efficient lights account for 65,000 of the total number of lights installed. AusNet Services provides two categories of lighting, standard and non-standard.

Standard Lights are lights erected on a distribution pole, a dedicated pole supplied by AusNet Services and light head supplied by AusNet Services. Non-standard lights are those lights on decorative poles and those with a decorative lantern. AusNet Services provides the labour and services associated with the maintenance of non-standard public lights, the public lighting customer must provide the replacement decorative pole or decorative lantern.

Local government councils and VicRoads are responsible for decisions regarding the location and types of lights installed.

8.2 Public Lighting Tariffs for 2017

Public Lighting prices are varied in accordance with the Public Lighting pricing model updated for the changes in the CPI. The following table sets out the price changes for 2017 for each light type.

Table 12 – Public Lighting Price Changes

Light Type	Central			North & East		
	2016	2017	%Δ	2016	2017	%Δ
LED 18W	18.02	15.18	-15.8%	18.41	15.57	-15.4%
Non Standard, Standard Output LED	18.02	15.18	-15.8%	18.41	15.57	-15.4%
High Output LED	18.02	15.18	-15.8%	18.41	15.57	-15.4%
T5 2X14W	35.02	32.79	-6.4%	39.70	37.46	-5.6%
T5 2X24W	41.42	39.02	-5.8%	46.88	44.47	-5.1%
Compact Fluorescent 32W	31.08	29.11	-6.3%	35.33	33.34	-5.6%
Compact Fluorescent 42W	31.08	29.11	-6.3%	35.33	33.34	-5.6%
Mercury Vapour 50W	57.40	56.36	-1.8%	63.39	62.39	-1.6%
Mercury Vapour 80W	37.51	36.84	-1.8%	42.83	42.16	-1.6%
Mercury Vapour 125W	55.15	54.15	-1.8%	63.39	62.39	-1.6%
HP Sodium 50W	41.56	41.18	-0.9%	48.65	48.24	-0.8%
Metal Halide 70W	163.75	160.80	-1.8%	162.95	160.39	-1.6%
LED L1	26.12	22.00	-15.8%	26.50	22.41	-15.4%
LED L2	26.91	22.67	-15.8%	27.38	23.15	-15.4%
LED L3	28.60	24.09	-15.8%	29.00	24.52	-15.4%
Mercury Vapour 250W	99.40	98.49	-0.9%	109.97	109.05	-0.8%
Mercury Vapour 400W	103.19	102.24	-0.9%	113.15	112.19	-0.8%
HP Sodium 100W	100.31	99.38	-0.9%	114.47	113.51	-0.8%
HP Sodium 150W	93.75	92.88	-0.9%	106.98	106.08	-0.8%
HP Sodium 250W	94.67	93.80	-0.9%	105.74	104.85	-0.8%
HP Sodium 400W	134.43	133.20	-0.9%	150.16	148.89	-0.8%
Metal Halide 100W	223.85	221.77	-0.9%	226.59	224.68	-0.8%
Metal Halide 150W	254.31	251.95	-0.9%	257.43	255.26	-0.8%

9 Ancillary Network Services

9.1 Ancillary Network Services Overview

Ancillary Network Services are network services provided to individual customers using the same resources as those used to provide other regulated network services. The costs of providing these services are recovered from the individual customer requesting the service and not from all other customers. The types of service include customer connections, energisation and de-energisation of customer installations, field officer visits, and service truck visits. Where the services is routine in nature and provided on a regular basis to a number of customers AusNet Services sets a fixed fee for the service. In those instances where the number of jobs is infrequent and or the nature of the work varies significantly charges are made on the basis of recovering the actual cost incurred at approved charge out rates.

9.2 Price Changes for 2017

Ancillary Network Service charges have been varied in accordance with the AER determination for the 2016-2020 period which is CPI – X, price cap formula as set out below:

$$\bar{p}_t^i \geq p_t^i \quad i=1,\dots,n \text{ and } t=2,3,4,5$$

$$\bar{p}_t^i = \bar{p}_{t-1}^i (1 + CPI_t) (1 - X_t^i)$$

Where:

\bar{p}_t^i is the cap on the price of service i in year t

p_t^i is the price of service i in year t

\bar{p}_{t-1}^i is the cap on the price of service i in year t–1

t is the regulatory year

CPI_t is the annual percentage change in the ABS consumer price index (CPI) All Groups,

X_t^i is the X factor for service i in year t.

The application of the price cap formula for 2017 where the CPI change was 1.02% and the X factor - 0.37% results in a price increase of 1.4%

10 Prescribed Metering Charges

10.1 Electricity Distribution Price Review annual metering charges requirements

Under the 2016-20 Electricity Distribution Price Review AusNet Services' metering charges are subject to a Revenue Cap form of regulation. For 2017 under the Revenue Cap regulation metering charges are varied in accordance with the formula set out in Attachment 16 of the AER Final Decision which is as follows:

The formula for the annual metering charges revenue cap is:

$$(1) \quad TARM_t \geq \sum_{i=1}^n \sum_{j=1}^m p_t^{ij} q_t^{ij} \quad i=1,\dots,n \text{ and } j=1,\dots,m \text{ and } t=1,\dots,5$$

$$(2) \quad TARM_t = AR_t + T_t + B_t \quad t=1,2,\dots,5$$

$$(3) \quad AR_t = AR_{t-1}(1 + \Delta CPI_t)(1 - X_t) \quad t=1,2,\dots,5$$

where:

$TARM_t$ is the total annual revenue for annual metering charges in year t.

p_t^{ij} is the price of component 'j' of metering service 'i' in year t.

q_t^{ij} is the forecast quantity of component 'j' of metering service 'i' in year t.

AR_t is the annual revenue requirement for year t. When year t is the first year of the 2016–20 regulatory control period, AR_t is the annual revenue requirement in the annual metering charges Post Tax Revenue Model (PTRM) for year t.

T_t is equal to zero for all years except 2017 and is a once off adjustment to 2017 charges for the unders and overs recoveries relating to Advanced Metering Infrastructure actual revenues and actual costs incurred in 2014 and 2015.¹

B_t is the sum of annual adjustment factors in year t as calculated in the unders and overs account.

¹ AER, AMI Transition Charges Application Draft Decision, to be recovered in 2018

AR_{t-1} is the annual revenue requirement for year t–1.

ΔCPI_t is the annual percentage change in the ABS CPI All Groups, Weighted Average of Eight Capital Cities from the June quarter in year t–2 to the June quarter in year t–1, calculated using the following method:

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the June quarter in regulatory year t–1

divided by

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the June quarter in regulatory year t–2

minus one.

X_t is the X-factor for each year of the 2016–20 regulatory control period as determined in the annual metering charges PTRM.

From 2017 to 2020, side constraints will apply, and the permissible percentage increase will be the greater of CPI-X plus 2 per cent or CPI plus 2 per cent. The side constraint formula is:

$$p_t^i \leq p_{t-1}^i (1 + \Delta CPI_t) (1 - X_t^i) (1 + 2\%) + T_t^i + B_t^i$$

where:

p_t^i is the price of annual metering charges service 'i' in year t.

p_{t-1}^i is the price of annual metering charges service 'i' in year t–1.

ΔCPI_t is the annual percentage change in the ABS CPI All Groups, Weighted Average of Eight Capital Cities from the June quarter in year t–2 to the June quarter in year t–1, calculated using the following method:

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the June quarter in regulatory year t–1

divided by

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the June quarter in regulatory year $t-2$ minus one.

X_t is the X-factor for each year of the 2016–20 regulatory control period as determined in the annual metering charges PTRM.

T_t is the annual percentage change from the unders and overs recoveries relating to Advanced Metering Infrastructure actual revenues and actual costs incurred in 2014 and 2015. It is equal to zero for all years except 2017 and is a once off adjustment to 2017 charges.²

B_t is the annual percentage change from the sum of annual adjustment factors in year t as calculated in the unders and overs account.

10.1 Metering Charges Unders and Overs Account

In accordance with the 2016-20 Electricity Distribution Price Review, AusNet Services is expected to achieve a closing balance as close to zero as practicable in its annual metering charges unders and overs account when proposing variations to the amount and structure of annual metering charges.

² AER, AMI Transition Charges Application Draft Decision, to be recovered in 2018

11 Glossary

Term	Definition
ABS	Australian Bureau of Statistics
AER	Australian Energy Regulator
AEST	Australian Eastern Standard Time, AEST is 10 hours ahead of Coordinated Universal Time (UTC)
AIC	Average Incremental Cost, a method of calculating the LRMC
AMI	Advanced Metering Infrastructure
ARR	Annual revenue requirement
Augmentation	New network assets constructed to meet increased demand
Capacity	The amount of energy that a part of the network is able to carry
CES	Certificate of Electrical Safety
Controlled Load	A customer's electricity circuit that the DNSP controls the hours in which the supply is made available.
CPI	Consumer price index
Demand	Energy consumption at a point in time
Demand Management	The modification of behaviour so as to constrain demand at critical times
Distribution Network	The poles and wires assets that transport energy between the transmission network and customers.
Distributor (DNSP)	Distribution Network Service Provider, the owner/operator of a distribution network
DMIS	Demand management incentive scheme
DPPC	Designated pricing proposal charges
DUoS	Distribution use of system
Eastern Standard Time (EST)	EST is 10 hours ahead of Coordinated Universal Time
Final Decision	The Australian Energy Regulator's final decision determination 2016 to 2020, May 2016
FiT	Feed in Tariff
Flexible Pricing	Flexible pricing means different rates for electricity at different times of the day as defined by the Victorian Governments policy on ToU pricing
High voltage (HV)	Equipment or supplies at voltages of 22kV 11kV or 6.6kV
Inclining Block	A network tariff energy rate that increases as usage increases above defined thresholds
JUoS	Jurisdictional scheme use of system
kVA, MVA	Kilovolt amperes and Megavolt amperes, units of instantaneous total electrical power demand. Usually the peak demand is referenced. See also PF for the relationship between power demand quantities
kVAr, MVAr	Kilovolt amperes (reactive) and Megavolt amperes (reactive) units of instantaneous reactive electrical power demand. Usually the peak demand is referenced. See also PF for the relationship between power demand quantities.
kW, MW	Kilowatt and Megawatt, units of instantaneous real electrical power demand.

Term	Definition
	Usually the peak demand is referenced. See also PF for the relationship between power demand quantities
kWh, MWh	Kilowatt hour and Megawatt hour, units of electrical energy consumption
Local Time	Daylight savings time in accordance with the Victorian Government's requirements
Logically Converted AMI meter	A meter that records energy use for 30 minute intervals and communicates the data to the energy supplier and is operating in the national energy market as an interval meter.
Low voltage (LV)	Equipment or supply at a voltage of 230 V single phase or 415 V, three phase
LRMC	Long Run Marginal Costs
Marginal Cost	The cost of providing a small increment of service. The Long Run Marginal Cost (LRMC) includes future investment; Short Run Marginal Cost (SRMC) considers only the costs involved without extra investment
NMI	National Meter Identifier a unique code that identifies a connection point in the NEM
NUoS	Network use of system. The utilisation of the total electricity network in the provision of electricity to consumers (NUoS = DUoS + TUoS + JUoS)
PFIT	Premium Feed-in tariff
Power factor (PF)	A measure of the ratio of real power to total power of a load. The relationship between real, reactive and total power is as follows: $PF = \text{Real Power (kW)} / \text{Total Power (kVA)}$ $\text{Total Power (kVA)} = \sqrt{\text{kW}^2 + \text{kVAr}^2}$
Price structure	The components that make up a Price available to customers
Pricing proposal	AusNet Services' 2016 Pricing Proposal, submitted in accordance with the Rules (this document)
PTRM	Post tax revenue model
Retailer	A financially responsible market participant supplying electricity to customers
Revenue cap	A form of regulatory control which limits the total revenue in a given period.
Rules	Australian Energy Market Commission, National Electricity Rules (NER), Version 65, 1 October 2014
STPIS	Service target performance incentive scheme
Sub-transmission (ST)	Equipment or supplies at voltage levels of 66kV
Tariff	A grouping of network price components that are applied to customers network usage in accordance with their conditions of supply
Tariff class	A group of customers with similar connection and usage characteristics who are subject to a particular tariff or particular tariffs and a common price control.
TAR	Total Annual Revenue
TFIT	Transitional Feed-in tariff
ToU	Time of Use, a system of pricing where energy or demand charges are set at different rates dependent on the time the energy use is recorded
Transmission Network	The assets and service that transport energy from generators to major load centres where it is transferred to the distribution network
TSS	Tariff structure statement
TUoS	Transmission Use of System

Term	Definition
Unmetered supply	A connection to the distribution system which is not equipped with a meter and has calculated consumption. Connections to public lights, phone boxes, minor traffic lights and the like may be supplied without a physical metering installation.
WACC	Weighted average cost of capital

12 Attachments

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12.1 Network Tariff Schedule

Tariff Code & Structures	Description	Standing Charge \$/Year	BLOCK 1 c/KWh	BLOCK 2 c/KWh	PEAK c/KWh	SHOULDER ALL YEAR c/KWh	SUMMER PEAK c/KWh	SUMMER SHOULDER c/KWh	WINTER PEAK c/KWh	OFF PEAK c/KWh	DEDICATED CIRCUIT c/KWh	SUMMER EXPORT c/KWh	FEEDIN RATE S c/KWh2	CAPACITY \$/kVA/Year	CRITICAL PEAK DEMAND \$/kVA/Year	MONTHLY KW DEMAND \$/kW
Residential																
NEE11 ¹	Small Single Rate	107.00	9.9564	12.8190												
NEN11 ¹	Small Single Rate within Embedded Network	107.00	6.9272	7.3845												
NGT11 ⁵	Small Flexible Single Rate	107.00	12.6667													
NSP11 ⁷	Small Interval meter time of use	107.00					41.0193	36.1457	31.8862	3.2554						
NEE13 ^{1&9}	Small Single Rate & Dedicated Circuit	107.00	9.9564	12.8190							3.0296					
NEN13 ^{1&9}	Small Single Rate & Dedicated Circuit within Embedded Network	107.00	6.9272	7.3845							3.0296					
NGT13 ^{5&9}	Small Flexible Single Rate & Dedicated Circuit	107.00	12.6667								3.0296					
NSP13 ^{7&9}	Small Interval meter time of use & Dedicated Circuit	107.00					41.0193	36.1457	31.8862	3.2554	3.0296					
NEE14 ^{1&10}	Small Single Rate & Dedicated Circuit with Afternoon Boost	107.00	9.9564	12.8190							2.6121					
NEN14 ^{1&10}	Small Single Rate & Dedicated Circuit with Afternoon Boost within Embedded Network	107.00	6.9272	7.3845							2.6121					
NGT14 ^{5&10}	Small Flexible Single Rate & Dedicated Circuit with Afternoon Boost	107.00	12.6667								2.6121					
NSP14 ^{7&10}	Small Interval meter time of use & Dedicated Circuit with Afternoon Boost	107.00					41.0193	36.1457	31.8862	3.2554	2.6121					
NEE15 ^{1&11}	Small Single Rate & Dedicated Circuit 8:00 to 8:00	107.00	9.9564	12.8190							3.1096					
NEN15 ^{1&11}	Small Single Rate & Dedicated Circuit 8:00 to 8:00 within Embedded Network	107.00	6.9272	7.3845							3.1096					
NGT15 ^{5&11}	Small Flexible Single Rate & Dedicated Circuit 8:00 to 8:00	107.00	12.6667								3.1096					
NSP15 ^{7&11}	Small Interval meter time of use & Dedicated Circuit 8:00 to 8:00	107.00					41.0193	36.1457	31.8862	3.2554	3.1096					
NEE20 ³	Small Two Rate	107.00			18.9280					4.0019						
NEN20 ³	Small Two Rate within Embedded Network	107.00			11.1746					3.2745						
NSP20 ⁷	Small Interval meter time of use	107.00					41.0193	36.1457	31.8862	3.2554						
NEE23 ³	Small Two Rate Solar Installation Standard Feed In Pre December 2012	118.00			18.9280					4.0020		-3.4768				
NEE26 ³	Small Two Rate Solar Installation Standard Feed In Post January 2013	118.00			18.9280					4.0020		-3.4768				
SUN23 ³	Small Two Rate Solar Installation Premium Feed In	118.00			18.9280					4.0020		-3.4768	-60.00			
NSP23 ⁷	Small Interval Meter time of use Solar Installation Standard Feed In	118.00					41.0193	36.1457	31.8862	3.2554		-3.4768				
SSP23 ⁷	Small Interval Meter time of use Solar Installation Premium Feed In	118.00					41.0193	36.1457	31.8862	3.2554		-3.4768	-60.00			
NEE24 ⁴	Small Two Rate 8:00 to 8:00	107.00			8.3829					2.1161						
NGT26 ⁸	Small Flexible	107.00	14.2189	14.2312		10.9747				3.3940						
NGT23 ^{5&9}	Small Flexible & Dedicated Circuit	107.00	14.2189	14.2312		10.9747				3.3940	3.0296					
NGT24 ^{5&10}	Small Flexible & Dedicated Circuit with Afternoon Boost	107.00	14.2189	14.2312		10.9747				3.3940	2.6121					
NGT25 ^{5&11}	Small Flexible & Dedicated Circuit 8:00 to 8:00	107.00	14.2189	14.2312		10.9747				3.3940	3.1096					
NEE30 ⁹	Small Dedicated circuit	0.00									3.0296					
NSP30 ⁹	Small Interval Dedicated circuit	0.00									3.0296					
NEE31 ¹⁰	Small Dedicated circuit with Afternoon Boost	0.00									2.6121					
NSP31 ¹⁰	Small Interval Meter Dedicated circuit with Afternoon Boost	0.00									2.6121					
NEE32 ¹¹	Small Dedicated circuit 8:00 to 8:00	0.00									3.1096					
NSP32 ¹¹	Small Interval Meter Dedicated circuit 8:00 to 8:00	0.00									3.1096					

Tariff Code	Description	Standing Charge \$/Year	BLOCK 1 c/kWh	BLOCK 2 c/kWh	PEAK c/kWh	SHOULDER ALL YEAR c/kWh	SUMMER PEAK c/kWh	SUMMER SHOULDER c/kWh	WINTER PEAK c/kWh	OFF PEAK c/kWh	DEDICATED CIRCUIT c/kWh	SUMMER EXPORT c/kWh	FEEDIN RATES c/kWh2	CAPACITY \$/kVA/Year	CRITICAL PEAK DEMAND \$/kVA/Year	MONTHLY KW DEMAND \$/kW
Business																
NEE12 ¹	Small Single Rate	107.00	13.5627	17.4227												
NASN19 ²	Business >40MWh Single Rate	107.00	17.1285	17.1285												0.00
NE N12 ¹	Small Single Rate within Embedded Network	107.00	20.4614	23.4876												
NSP12 ⁷	Small Interval Meter time of use	107.00					41.0193	36.1457	31.8862	4.6769						
NEE16 ^{1 & 9}	Small Single Rate & Dedicated Circuit	107.00	13.5627	17.4227							3.0296					
NEN16 ^{1 & 9}	Small Single Rate & Dedicated Circuit within Embedded Network	107.00	20.4614	23.4876							3.0296					
NSP16 ^{7 & 9}	Small Interval Meter time of use & Dedicated Circuit	107.00					41.0193	36.1457	31.8862	4.6769	3.0296					
NEE17 ^{1 & 10}	Small Single Rate & Dedicated Circuit with Afternoon Boost	107.00	13.5627	17.4227							2.6121					
NEN17 ^{1 & 10}	Small Single Rate & Dedicated Circuit with Afternoon Boost within Embedded Network	107.00	20.4614	23.4876							2.6121					
NSP17 ^{7 & 10}	Small Interval Meter time of use & dedicated Circuit with Afternoon Boost	107.00					41.0193	36.1457	31.8862	4.6769	2.6121					
NEE18 ^{1 & 11}	Small Single Rate & Dedicated Circuit 8:00 to 8:00	107.00	13.5627	17.4227							3.1096					
NEN18 ^{1 & 11}	Small Single Rate & Dedicated Circuit 8:00 to 8:01 within Embedded Network	107.00	20.4614	23.4876							3.1096					
NSP18 ^{7 & 11}	Small Interval Meter time of use & dedicated Circuit 8:00 to 8:00	107.00					41.0193	36.1457	31.8862	4.6769	3.1096					
NEE21 ³	Small Two Rate	107.00			18.1072					4.2246						
NEN21 ³	Small Two Rate within Embedded Network	107.00			13.2772					6.5586						
NSP21 ⁷	Small Interval meter time of use	107.00					41.0193	36.1457	31.8862	4.6769						
NASN21 ²	Business >40MWh Two Rate	107.00			17.3672					4.2246						0.00
NASN2P ²	Business >40MWh Two Rate Premium Feed In	107.00			17.3672					4.2246		-3.4768	-60.00			0.00
NASN2S ²	Business >40MWh Two Rate Standard Feed In	107.00			17.3672					4.2246		-3.4768				0.00
SUN21 ³	Small Two Rate Solar Installation Premium Feed In	107.00			18.1072					4.2246		-3.4768	-60.00			
SSP21 ⁷	Small Interval meter time of use Solar Installation Premium Feed In	107.00					41.0193	36.1457	31.8862	4.6769		-3.4768	-60.00			
SSP27 ⁷	Small Interval meter time of use Solar Installation Standard Feed In	107.00					41.0193	36.1457	31.8862	4.6769		-3.4768				
NEE27 ³	Small Two Rate Solar Installation Standard Feed In Pre December 2012	107.00			18.1072					4.2246		-3.4768				
NEE28 ³	Small Two Rate Solar Installation Standard Feed In Post January 2013	107.00			18.1072					4.2246		-3.4768				
NSP27 ⁷	Small Interval meter Low Peak time of use	107.00					17.6295	15.7031	14.0206	7.6808						
NEE25 ⁴	Small Two Rate 8:00 to 8:00	107.00			17.1459					4.0455						
NEE40 ⁵	Medium Single Rate	107.00	22.0521													
NEE41 ^{5 & 9}	Medium Single Rate & Dedicated Circuit	107.00	22.0521								3.0296					
NEE42 ^{5 & 10}	Medium Single Rate & Dedicated Circuit with Afternoon Boost	107.00	22.0521								2.6121					
NEE43 ^{5 & 11}	Medium Single Rate & Dedicated Circuit 8:00 to 8:00	107.00	22.0521								3.1096					
NEE51 ³	Medium Two Rate	107.00			19.3421					4.5578						
NEE52 ³	Medium Unmetered				21.3193					8.7945						
NEE55 ¹²	Medium Snowfields	372.00			15.8722					4.4406						
NSP55 ⁷	Medium Interval meter time of use Snowfields	372.00					40.4414	35.7612	31.5244	4.1975						
NSP56 ¹³	Medium Critical Peak Demand 160MWh to 400MWh	2,765.00			12.5617	9.5386				4.2025				19.34	32.24	
NE N56 ¹³	Medium Critical Peak Demand 160MWh to 400MWh within Embedded Network	2,765.00			9.9140	7.3462				4.2025				19.34	32.24	
NEE60 ⁵	Medium Seven Day Two Rate	372.00			7.2675					2.9782						
NEE74 ³	Large Two Rate	395.00			25.2021					7.1518						
NSP75 ¹³	Large Critical Peak Demand 400MWh to 750MWh	5,815.00			4.5018	3.5646				1.6118				47.50	80.00	
NSP76 ¹³	Large Critical Peak Demand 750MWh to 2000MWh	5,815.00			4.3306	3.3336				1.4758				49.00	83.00	
NSP77 ¹³	Large Critical Peak Demand 2000MWh to 4000MWh	5,815.00			4.2796	3.3123				1.4156				53.73	89.18	
NSP78 ¹³	Large Critical Peak Demand over 4000MWh	5,815.00			3.9678	3.1076				1.2742				59.10	97.78	
NSP81 ¹⁴	High Voltage Critical Peak Demand	5,815.00			1.9697					0.6158				38.68	63.40	
NSP82 ¹³	High Voltage Critical Peak Demand traction	5,815.00			1.9079	1.9079				0.8000				35.46	58.02	
NSP83 ¹³	High Voltage Critical Peak Demand low energy use	5,815.00			10.9247	4.7592				1.4354				4.13	6.83	
NSP91 ¹⁴	Sub transmission Critical Peak Demand <25MVA & <20KM from TS	20,245.00			1.9506					0.4499				2.58	4.26	
NEE93 ³	Large Latrobe Valley Open Cut Supplies				1.9300					1.9300						
NSP94 ¹⁴	Sub transmission Critical Peak Demand >25MVA & <20KM from TS	20,245.00			1.9153					0.4323				1.93	3.20	
NSP95 ¹⁴	Sub transmission Critical Peak Demand <25MVA & >20KM from TS	20,245.00			1.9828					0.4701				4.00	6.64	

12.2 Distribution Use of System Tariff Schedule

Tariff Code	Description	Standing Charge \$/Year	BLOCK 1 c/kWh	BLOCK 2 c/kWh	PEAK c/kWh	SHOULDER ALL YEAR c/kWh	SUMMER PEAK c/kWh	SUMMER SHOULDER c/kWh	WINTER PEAK c/kWh	OFF PEAK c/kWh	DEDICATED CIRCUIT c/kWh	SUMMER EXPORT c/kWh	FEEDIN RATES c/kWh2	CAPACITY \$/kVA/Year	CRITICAL PEAK DEMAND \$/kVA/Year	MONTHLY KW DEMAND \$/kW
Residential																
NEE11 ¹	Small Residential Single Rate	107.00	7.9379	10.8005												
NEN11 ¹	Small Residential Single Rate within Embedded Network	107.00	4.9087	5.3660												
NGT11 ⁶	Small Residential Flexible Single Rate	107.00	10.6482													
NSP11 ⁷	Small Residential Interval meter time of use	107.00					39.0008	34.1272	29.8677	2.3634						
NEE13 ^{1 & 9}	Small Residential Single Rate & Dedicated Circuit	107.00	7.9379	10.8005							2.1376					
NEN13 ^{1 & 9}	Small Residential Single Rate & Dedicated Circuit within Embedded Network	107.00	4.9087	5.3660							2.1376					
NGT13 ^{6 & 9}	Small Residential Flexible Single Rate & Dedicated Circuit	107.00	10.6482								2.1376					
NSP13 ^{7 & 9}	Small Residential Interval meter time of use & Dedicated Circuit	107.00					39.0008	34.1272	29.8677	2.3634	2.1376					
NEE14 ^{1 & 10}	Small Residential Single Rate & Dedicated Circuit with Afternoon Boost	107.00	7.9379	10.8005							1.7201					
NEN14 ^{1 & 10}	Small Residential Single Rate & Dedicated Circuit with Afternoon Boost within Embedded Network	107.00	4.9087	5.3660							1.7201					
NGT14 ^{6 & 10}	Small Residential Flexible Single Rate & Dedicated Circuit with Afternoon Boost	107.00	10.6482								1.7201					
NSP14 ^{7 & 10}	Small Residential Interval meter time of use & Dedicated Circuit with Afternoon Boost	107.00					39.0008	34.1272	29.8677	2.3634	1.7201					
NEE15 ^{1 & 11}	Small Residential Single Rate & Dedicated Circuit 8:00 to 8:00	107.00	7.9379	10.8005							2.2176					
NEN15 ^{1 & 11}	Small Residential Single Rate & Dedicated Circuit 8:00 to 8:00 within Embedded Network	107.00	4.9087	5.3660							2.2176					
NGT15 ^{6 & 11}	Small Residential Flexible Single Rate & Dedicated Circuit 8:00 to 8:00	107.00	10.6482								2.2176					
NSP15 ^{7 & 11}	Small Residential Interval meter time of use & Dedicated Circuit 8:00 to 8:00	107.00					39.0008	34.1272	29.8677	2.3634	2.2176					
NEE20 ³	Small Residential Two Rate	107.00			16.9095					3.1100						
NEN20 ³	Small Residential Two Rate within Embedded Network	107.00			9.1561					2.3825						
NSP20 ⁷	Small Residential Interval meter time of use	107.00					39.0008	34.1272	29.8677	2.3634						
NEE23 ³	Small Residential Two Rate Solar Installation Standard Feed In Pre December 2012	118.00			16.9095					3.1100		-3.4788				
NEE26 ³	Small Residential Two Rate Solar Installation Standard Feed In Post January 2013	118.00			16.9095					3.1100		-3.4788				
SUN23 ³	Small Residential Two Rate Solar Installation Premium Feed In	118.00			16.9095					3.1100		-3.4788	-60.00			
NSP23 ⁷	Small Residential Interval Meter time of use Solar Installation Standard Feed In	118.00					39.0008	34.1272	29.8677	2.3634		-3.4788				
SSP23 ⁷	Small Residential Interval Meter time of use Solar Installation Premium Feed In	118.00					39.0008	34.1272	29.8677	2.3634		-3.4788	-60.00			
NEE24 ⁴	Small Residential Two Rate 8:00 to 8:00	107.00			6.3644					1.2241						
NGT26 ⁶	Small Residential Flexible	107.00	12.2004	12.2127		8.9562				2.5020						
NGT23 ^{6 & 9}	Small Residential Flexible & Dedicated Circuit	107.00	12.2004	12.2127		8.9562				2.5020	2.1376					
NGT24 ^{6 & 10}	Small Residential Flexible & Dedicated Circuit with Afternoon Boost	107.00	12.2004	12.2127		8.9562				2.5020	1.7201					
NGT25 ^{6 & 11}	Small Residential Flexible & Dedicated Circuit 8:00 to 8:00	107.00	12.2004	12.2127		8.9562				2.5020	2.2176					
NEE30 ⁹	Small Residential Dedicated circuit	0.00									2.1376					
NSP30 ⁹	Small Residential Interval Dedicated circuit	0.00									2.1376					
NEE31 ¹⁰	Small Residential Dedicated circuit with Afternoon Boost	0.00									1.7201					
NSP31 ¹⁰	Small Residential Interval Meter Dedicated circuit with Afternoon Boost	0.00									1.7201					
NEE32 ¹¹	Small Residential Dedicated circuit 8:00 to 8:00	0.00									2.2176					
NSP32 ¹¹	Small Residential Interval Meter Dedicated circuit 8:00 to 8:00	0.00									2.2176					

Tariff Code	Description	Standing Charge \$/Year	BLOCK 1 c/kWh	BLOCK 2 c/kWh	PEAK c/kWh	SHOULDER ALL YEAR c/kWh	SUMMER PEAK c/kWh	SUMMER SHOULDER c/kWh	WINTER PEAK c/kWh	OFF PEAK c/kWh	DEDICATED CIRCUIT c/kWh	SUMMER EXPORT c/kWh	FEEDIN RATES c/kWh2	CAPACITY \$/kVA/Year	CRITICAL PEAK DEMAND \$/kVA/Year	MONTHLY kW DEMAND \$/kW
Business																
NEE12 ¹	Small Single Rate	107.00	11.5442	15.4042												
NASN19 ²	Business >40MWh Single Rate	107.00	15.1100	15.1100												0.00
NEN12 ¹	Small Single Rate within Embedded Network	107.00	18.4429	21.4691												
NSP12 ⁷	Small Interval Meter time of use	107.00					39.0008	34.1272	29.8677	3.7849						
NEE16 ^{1 & 9}	Small Single Rate & Dedicated Circuit	107.00	11.5442	15.4042							2.1376					
NEN16 ^{1 & 9}	Small Single Rate & Dedicated Circuit within Embedded Network	107.00	18.4429	21.4691							2.1376					
NSP16 ^{7 & 9}	Small Interval Meter time of use & Dedicated Circuit	107.00					39.0008	34.1272	29.8677	3.7849	2.1376					
NEE17 ^{1 & 10}	Small Single Rate & Dedicated Circuit with Afternoon Boost	107.00	11.5442	15.4042							1.7201					
NEN17 ^{1 & 10}	Small Single Rate & Dedicated Circuit with Afternoon Boost within Embedded Network	107.00	18.4429	21.4691							1.7201					
NSP17 ^{7 & 10}	Small Interval Meter time of use & dedicated Circuit with Afternoon Boost	107.00					39.0008	34.1272	29.8677	3.7849	1.7201					
NEE18 ^{1 & 11}	Small Single Rate & Dedicated Circuit 8:00 to 8:00	107.00	11.5442	15.4042							2.2176					
NEN18 ^{1 & 11}	Small Single Rate & Dedicated Circuit 8:00 to 8:01 within Embedded Network	107.00	18.4429	21.4691							2.2176					
NSP18 ^{7 & 11}	Small Interval Meter time of use & dedicated Circuit 8:00 to 8:00	107.00					39.0008	34.1272	29.8677	3.7849	2.2176					
NEE21 ³	Small Two Rate	107.00			16.0887					3.3326						
NEN21 ³	Small Two Rate within Embedded Network	107.00			11.2587					5.6666						
NSP21 ⁷	Small Interval meter time of use	107.00					39.0008	34.1272	29.8677	3.7849						
NASN21 ²	Business >40MWh Two Rate	107.00			15.3487					3.3326						0.0000
NASN2P ²	Business >40MWh Two Rate Premium Feed In	107.00			15.3487					3.3326						0.0000
NASN2S ²	Business >40MWh Two Rate Standard Feed In	107.00			15.3487					3.3326		-3.4768	-60.00			0.0000
SUN21 ³	Small Two Rate Solar Installation Premium Feed In	107.00			16.0887					3.3326		-3.4768	-60.00			
SSP21 ⁷	Small Interval meter time of use Solar Installation Premium Feed In	107.00					39.0008	34.1272	29.8677	3.7849		-3.4768	-60.00			
SSP27 ⁷	Small Interval meter time of use Solar Installation Standard Feed In	107.00					39.0008	34.1272	29.8677	3.7849		-3.4768				
NEE27 ³	Small Two Rate Solar Installation Standard Feed In Pre December 2012	107.00			16.0887					3.3326		-3.4768				
NEE28 ³	Small Two Rate Solar Installation Standard Feed In Post January 2013	107.00			16.0887					3.3326		-3.4768				
NSP27 ⁷	Small Interval meter Low Peak time of use	107.00					15.6110	13.6846	12.0021	6.7888						
NEE25 ⁴	Small Two Rate 8:00 to 8:00	107.00			15.1274					3.1535						
NEE40 ⁵	Medium Single Rate	107.00	20.0336													
NEE41 ^{5 & 9}	Medium Single Rate & Dedicated Circuit	107.00	20.0336								2.1376					
NEE42 ^{5 & 10}	Medium Single Rate & Dedicated Circuit with Afternoon Boost	107.00	20.0336								1.7201					
NEE43 ^{5 & 11}	Medium Single Rate & Dedicated Circuit 8:00 to 8:00	107.00	20.0336								2.2176					
NEE51 ³	Medium Two Rate	107.00			17.3236					3.6658						
NEE52 ³	Medium Unmetered				19.3008					7.9025						
NEE55 ¹²	Medium Snowfields	107.00			14.4316					4.0388						
NSP57 ⁷	Medium Interval meter time of use Snowfields	107.00					39.0008	34.3206	30.0838	3.7957						
NSP56 ¹³	Medium Critical Peak Demand 160MWh to 400M Wh	2,500.00			11.1211	8.0980				3.8007				19.34	32.24	
NEN56 ¹³	Medium Critical Peak Demand 160MWh to 400M Wh within Embedded Network	2,500.00			8.4734	5.9056				3.8007				19.34	32.24	
NEE60 ⁵	Medium Seven Day Two Rate	107.00			5.8269					2.5764						
NEE74 ³	Large Two Rate	130.00			23.7615					6.7500						
NSP75 ¹³	Large Critical Peak Demand 400MWh to 750MWh	5,550.00			3.0612	2.1240				1.2100				47.50	80.00	
NSP76 ¹³	Large Critical Peak Demand 750MWh to 2000MWh	5,550.00			2.8900	1.8930				1.0740				49.00	83.00	
NSP77 ¹³	Large Critical Peak Demand 2000MWh to 4000M Wh	5,550.00			2.8390	1.8717				1.0138				53.73	89.18	
NSP78 ¹³	Large Critical Peak Demand over 4000MWh	5,550.00			2.5272	1.6670				0.8724				59.10	97.78	
NSP81 ¹⁴	High Voltage Critical Peak Demand	5,550.00			0.5291					0.2140				38.68	63.40	
NSP82 ¹³	High Voltage Critical Peak Demand traction	5,550.00			0.4673	0.4673				0.3982				35.46	58.02	
NSP83 ¹³	High Voltage Critical Peak Demand low energy use	5,550.00			9.4841	3.3186				1.0336				4.13	6.83	
NSP91 ¹⁴	Sub transmission Critical Peak Demand <25MVA & <20KM from TS	19,980.00			0.5100					0.0481				2.58	4.26	
NEE93 ³	Large Latrobe Valley Open Cut Supplies	0.00			1.0062					1.0062						
NSP94 ¹⁴	Sub transmission Critical Peak Demand >25MVA & <20KM from TS	19,980.00			0.4747					0.0305				1.93	3.20	
NSP95 ¹⁴	Sub transmission Critical Peak Demand <25MVA & >20KM from TS	19,980.00			0.5422					0.0683				4.00	6.64	

12.3 Transmission Use of System Tariff Schedule

Tariff Code	Description	Standing Charge \$/Year	BLOCK 1 c/kWh	BLOCK 2 c/kWh	PEAK c/kWh	SHOULDER ALL YEAR c/kWh	SUMMER PEAK c/kWh	SUMMER SHOULDER c/kWh	WINTER PEAK c/kWh	OFF PEAK c/kWh	DEDICATED CIRCUIT c/kWh	SUMMER EXPORT c/kWh	FEEDIN RATE S c/kWh2	CAPACITY \$/kVA/Year	CRITICAL PEAK DEMAND \$/kVA/Year	MONTHLY KW DEMAND \$/kW
Residential																
NEE 11 ¹	Small Residential Single Rate		1.4406	1.4406												
NEN 11 ¹	Small Residential Single Rate within Embedded Network		1.4406	1.4406												
NGT 11 ⁶	Small Residential Flexible Single Rate		1.4406													
NSP 11 ⁷	Small Residential Interval meter time of use						1.4406	1.4406	1.4406	0.4018						
NEE 13 ^{1 & 9}	Small Residential Single Rate & Dedicated Circuit		1.4406	1.4406							0.4018					
NEN 13 ^{1 & 9}	Small Residential Single Rate & Dedicated Circuit within Embedded Network		1.4406	1.4406							0.4018					
NGT 13 ^{6 & 9}	Small Residential Flexible Single Rate & Dedicated Circuit		1.4406								0.4018					
NSP 13 ^{7 & 9}	Small Residential Interval meter time of use & Dedicated Circuit						1.4406	1.4406	1.4406	0.4018	0.4018					
NEE 14 ^{1 & 10}	Small Residential Single Rate & Dedicated Circuit with Afternoon Boost		1.4406	1.4406							0.4018					
NEN 14 ^{1 & 10}	Small Residential Single Rate & Dedicated Circuit with Afternoon Boost within Embedded Network		1.4406	1.4406							0.4018					
NGT 14 ^{6 & 10}	Small Residential Flexible Single Rate & Dedicated Circuit with Afternoon Boost		1.4406								0.4018					
NSP 14 ^{7 & 10}	Small Residential Interval meter time of use & Dedicated Circuit with Afternoon Boost						1.4406	1.4406	1.4406	0.4018	0.4018					
NEE 15 ^{1 & 11}	Small Residential Single Rate & Dedicated Circuit 8:00 to 8:00		1.4406	1.4406							0.4018					
NEN 15 ^{1 & 11}	Small Residential Single Rate & Dedicated Circuit 8:00 to 8:00 within Embedded Network		1.4406	1.4406							0.4018					
NGT 15 ^{6 & 11}	Small Residential Flexible Single Rate & Dedicated Circuit 8:00 to 8:00		1.4406								0.4018					
NSP 15 ^{7 & 11}	Small Residential Interval meter time of use & Dedicated Circuit 8:00 to 8:00						1.4406	1.4406	1.4406	0.4018	0.4018					
NEE 20 ³	Small Residential Two Rate				1.4406					0.4017						
NEN 20 ³	Small Residential Two Rate within Embedded Network				1.4406					0.4018						
NSP 20 ⁷	Small Residential Interval meter time of use						1.4406	1.4406	1.4406	0.4018						
NEE 23 ³	Small Residential Two Rate Solar Installation Standard Feed In Pre December 2012				1.4406					0.4018						
NEE 26 ³	Small Residential Two Rate Solar Installation Standard Feed In Post January 2013				1.4406					0.4018						
SUN 23 ³	Small Residential Two Rate Solar Installation Premium Feed In				1.4406					0.4018						
NSP 23 ⁷	Small Residential Interval Meter time of use Solar Installation Standard Feed In						1.4406	1.4406	1.4406	0.4018						
SSP 23 ⁷	Small Residential Interval Meter time of use Solar Installation Premium Feed In						1.4406	1.4406	1.4406	0.4018						
NEE 24 ⁴	Small Residential Two Rate 8:00 to 8:00				1.4406					0.4018						
NGT 26 ⁸	Small Residential Flexible		1.4406	1.4406		1.4406				0.4018						
NGT 23 ^{8 & 9}	Small Residential Flexible & Dedicated Circuit		1.4406	1.4406		1.4406				0.4018	0.4018					
NGT 24 ^{8 & 10}	Small Residential Flexible & Dedicated Circuit with Afternoon Boost		1.4406	1.4406		1.4406				0.4018	0.4018					
NGT 25 ^{8 & 11}	Small Residential Flexible & Dedicated Circuit 8:00 to 8:00		1.4406	1.4406		1.4406				0.4018	0.4018					
NEE 30 ⁹	Small Residential Dedicated circuit										0.4018					
NSP 30 ⁹	Small Residential Interval Dedicated circuit										0.4018					
NEE 31 ¹⁰	Small Residential Dedicated circuit with Afternoon Boost										0.4018					
NSP 31 ¹⁰	Small Residential Interval Meter Dedicated circuit with Afternoon Boost										0.4018					
NEE 32 ¹¹	Small Residential Dedicated circuit 8:00 to 8:00										0.4018					
NSP 32 ¹¹	Small Residential Interval Meter Dedicated circuit 8:00 to 8:00										0.4018					

Tariff Code	Description	Standing Charge \$/Year	BLOCK 1 c/kWh	BLOCK 2 c/kWh	PEAK c/kWh	SHOULDER ALL YEAR c/kWh	SUMMER PEAK c/kWh	SUMMER SHOULDER c/kWh	WINTER PEAK c/kWh	OFF PEAK c/kWh	DEDICATED CIRCUIT c/kWh	SUMMER EXPORT c/kWh	FEEDIN RATES c/kWh2	CAPACITY \$/kVA/Year	CRITICAL PEAK DEMAND \$/kVA/Year	MONTHLY KW DEMAND \$/kW
Business																
NEE 12 ¹	Small Single Rate		1.4406	1.4406												
NASN19 ²	Business >40MWh Single Rate		1.4406	1.4406												
NEN 12 ¹	Small Single Rate within Embedded Network		1.4406	1.4406												
NSP 12 ⁷	Small Interval Meter time of use						1.4406	1.4406	1.4406	0.4018						
NEE 16 ^{1 & 9}	Small Single Rate & Dedicated Circuit		1.4406	1.4406							0.4018					
NEN 16 ^{1 & 9}	Small Single Rate & Dedicated Circuit within Embedded Network		1.4406	1.4406							0.4018					
NSP 16 ^{7 & 9}	Small Interval Meter time of use & Dedicated Circuit						1.4406	1.4406	1.4406	0.4018	0.4018					
NEE 17 ^{1 & 10}	Small Single Rate & Dedicated Circuit with Afternoon Boost		1.4406	1.4406							0.4018					
NEN 17 ^{1 & 10}	Small Single Rate & Dedicated Circuit with Afternoon Boost within Embedded Network		1.4406	1.4406							0.4018					
NSP 17 ^{7 & 10}	Small Interval Meter time of use & dedicated Circuit with Afternoon Boost						1.4406	1.4406	1.4406	0.4018	0.4018					
NEE 18 ^{1 & 11}	Small Single Rate & Dedicated Circuit 8:00 to 8:00		1.4406	1.4406							0.4018					
NEN 18 ^{1 & 11}	Small Single Rate & Dedicated Circuit 8:00 to 8:01 within Embedded Network		1.4406	1.4406							0.4018					
NSP 18 ^{7 & 11}	Small Interval Meter time of use & dedicated Circuit 8:00 to 8:00						1.4406	1.4406	1.4406	0.4018	0.4018					
NEE 21 ³	Small Two Rate				1.4406					0.4018						
NEN 21 ³	Small Two Rate within Embedded Network				1.4406					0.4018						
NSP 21 ⁷	Small Interval meter time of use						1.4406	1.4406	1.4406	0.4018						
NASN21 ²	Business >40MWh Two Rate				1.4406					0.4018						
NASN2P ²	Business >40MWh Two Rate Premium Feed In				1.4406					0.4018						
NASN2S ²	Business >40MWh Two Rate Standard Feed In				1.4406					0.4018						
SUN21 ³	Small Two Rate Solar Installation Premium Feed In				1.4406					0.4018						
SSP 21 ⁷	Small Interval meter time of use Solar Installation Premium Feed In						1.4406	1.4406	1.4406	0.4018						
SSP 27 ⁷	Small Interval meter time of use Solar Installation Standard Feed In	0.00					1.4406	1.4406	1.4406	0.4018		0.0000				
NEE 27 ³	Small Two Rate Solar Installation Standard Feed In Pre December 2012				1.4406					0.4018						
NEE 28 ³	Small Two Rate Solar Installation Standard Feed In Post January 2013				1.4406					0.4018						
NSP 27 ⁷	Small Interval meter Low Peak time of use						1.4406	1.4406	1.4406	0.4018						
NEE 25 ⁴	Small Two Rate 8:00 to 8:00				1.4406					0.4018						
NEE 40 ⁶	Medium Single Rate		1.4406													
NEE 41 ^{6 & 9}	Medium Single Rate & Dedicated Circuit		1.4406								0.4018					
NEE 42 ^{6 & 10}	Medium Single Rate & Dedicated Circuit with Afternoon Boost		1.4406								0.4018					
NEE 43 ^{6 & 11}	Medium Single Rate & Dedicated Circuit 8:00 to 8:00		1.4406								0.4018					
NEE 51 ³	Medium Two Rate				1.4406					0.4018						
NEE 52 ³	Medium Unmetered				1.4406					0.4018						
NEE 55 ¹²	Medium Snowfields				1.4406					0.4018						
NSP 55 ⁷	Medium Interval meter time of use Snowfields						1.4406	1.4406	1.4406	0.4018						
NSP 56 ¹³	Medium Critical Peak Demand 160MWh to 400MWh				1.4406	1.4406				0.4018						
NEN 56 ¹³	Medium Critical Peak Demand 160MWh to 400MWh within Embedded Network				1.4406	1.4406				0.4018						
NEE 60 ⁵	Medium Seven Day Two Rate				1.4406					0.4018						
NEE 74 ³	Large Two Rate				1.4406					0.4018						
NSP 75 ¹³	Large Critical Peak Demand 400MWh to 750MWh				1.4406	1.4406				0.4018						
NSP 76 ¹³	Large Critical Peak Demand 750MWh to 2000MWh				1.4406	1.4406				0.4018						
NSP 77 ¹³	Large Critical Peak Demand 2000MWh to 4000MWh				1.4406	1.4406				0.4018						
NSP 78 ¹³	Large Critical Peak Demand over 4000MWh				1.4406	1.4406				0.4018						
NSP 81 ¹⁴	High Voltage Critical Peak Demand				1.4406					0.4018						
NSP 82 ¹³	High Voltage Critical Peak Demand traction				1.4406	1.4406				0.4018						
NSP 83 ¹³	High Voltage Critical Peak Demand low energy use				1.4406	1.4406				0.4018						
NSP 91 ¹⁴	Sub transmission Critical Peak Demand <25MVA & <20KM from TS				1.4406					0.4018						
NEE 93 ³	Large Latrobe Valley Open Cut Supplies				0.9238					0.9238						
NSP 94 ¹⁴	Sub transmission Critical Peak Demand >25MVA & <20KM from TS				1.4406					0.4018						
NSP 95 ¹⁴	Sub transmission Critical Peak Demand <25MVA & >20KM from TS				1.4406					0.4018						

12.4 Jurisdictional Tariff Schedule

Tariff Code	Description	Standing Charge \$/Year	BLOCK 1 c/kWh	BLOCK 2 c/kWh	PEAK c/kWh	SHOULDER ALL YEAR c/kWh	SUMMER PEAK c/kWh	SUMMER SHOULDER c/kWh	WINTER PEAK c/kWh	OFF PEAK c/kWh	DEDICATED CIRCUIT c/kWh	SUMMER EXPORT c/kWh	FEEDIN RATES c/kWh2	CAPACITY \$/kVA/Year	CRITICAL PEAK DEMAND \$/kVA/Year	MONTHLY KW DEMAND \$/kW
Residential																
NEE 11 ¹	Small Residential Single Rate		0.5779	0.5779												
NEN11 ¹	Small Residential Single Rate within Embedded Network		0.5779	0.5779												
NGT11 ⁶	Small Residential Flexible Single Rate		0.5779													
NSP 11 ⁷	Small Residential Interval meter time of use						0.5779	0.5779	0.5779	0.4902						
NEE 13 ^{1 & 9}	Small Residential Single Rate & Dedicated Circuit		0.5779	0.5779							0.4902					
NEN 13 ^{1 & 9}	Small Residential Single Rate & Dedicated Circuit within Embedded Network		0.5779	0.5779							0.4902					
NGT13 ^{6 & 9}	Small Residential Flexible Single Rate & Dedicated Circuit		0.5779								0.4902					
NSP 13 ^{7 & 9}	Small Residential Interval meter time of use & Dedicated Circuit						0.5779	0.5779	0.5779	0.4902	0.4902					
NEE 14 ^{1 & 10}	Small Residential Single Rate & Dedicated Circuit with Afternoon Boost		0.5779	0.5779							0.4902					
NEN 14 ^{1 & 10}	Small Residential Single Rate & Dedicated Circuit with Afternoon Boost within Embedded Network		0.5779	0.5779							0.4902					
NGT14 ^{6 & 10}	Small Residential Flexible Single Rate & Dedicated Circuit with Afternoon Boost		0.5779								0.4902					
NSP 14 ^{7 & 10}	Small Residential Interval meter time of use & Dedicated Circuit with Afternoon Boost						0.5779	0.5779	0.5779	0.4902	0.4902					
NEE 15 ^{1 & 11}	Small Residential Single Rate & Dedicated Circuit 8:00 to 8:00		0.5779	0.5779							0.4902					
NEN 15 ^{1 & 11}	Small Residential Single Rate & Dedicated Circuit 8:00 to 8:00 within Embedded Network		0.5779	0.5779							0.4902					
NGT15 ^{6 & 11}	Small Residential Flexible Single Rate & Dedicated Circuit 8:00 to 8:00		0.5779								0.4902					
NSP 15 ^{7 & 11}	Small Residential Interval meter time of use & Dedicated Circuit 8:00 to 8:00						0.5779	0.5779	0.5779	0.4902	0.4902					
NEE 20 ³	Small Residential Two Rate				0.5779					0.4902						
NEN 20 ³	Small Residential Two Rate within Embedded Network				0.5779					0.4902						
NSP 20 ⁷	Small Residential Interval meter time of use						0.5779	0.5779	0.5779	0.4902						
NEE 23 ³	Small Residential Two Rate Solar Installation Standard Feed In Pre December 2012				0.5779					0.4902						
NEE 26 ³	Small Residential Two Rate Solar Installation Standard Feed In Post January 2013				0.5779					0.4902						
SUN 23 ³	Small Residential Two Rate Solar Installation Premium Feed In				0.5779					0.4902						
NSP 23 ⁷	Small Residential Interval Meter time of use Solar Installation Standard Feed In						0.5779	0.5779	0.5779	0.4902						
SSP 23 ⁷	Small Residential Interval Meter time of use Solar Installation Premium Feed In						0.5779	0.5779	0.5779	0.4902						
NEE 24 ⁴	Small Residential Two Rate 8:00 to 8:00				0.5779					0.4902						
NGT26 ⁸	Small Residential Flexible		0.5779	0.5779		0.5779				0.4902						
NGT23 ^{8 & 9}	Small Residential Flexible & Dedicated Circuit		0.5779	0.5779		0.5779				0.4902	0.4902					
NGT24 ^{8 & 10}	Small Residential Flexible & Dedicated Circuit with Afternoon Boost		0.5779	0.5779		0.5779				0.4902	0.4902					
NGT25 ^{8 & 11}	Small Residential Flexible & Dedicated Circuit 8:00 to 8:00		0.5779	0.5779		0.5779				0.4902	0.4902					
NEE 30 ⁹	Small Residential Dedicated circuit										0.4902					
NSP 30 ⁹	Small Residential Interval Dedicated circuit										0.4902					
NEE 31 ¹⁰	Small Residential Dedicated circuit with Afternoon Boost										0.4902					
NSP 31 ¹⁰	Small Residential Interval Meter Dedicated circuit with Afternoon Boost										0.4902					
NEE 32 ¹¹	Small Residential Dedicated circuit 8:00 to 8:00										0.4902					
NSP 32 ¹¹	Small Residential Interval Meter Dedicated circuit 8:00 to 8:00										0.4902					

Tariff Code	Description	Standing Charge \$/Year	BLOCK 1 c/kWh	BLOCK 2 c/kWh	PEAK c/kWh	SHOULDER ALL YEAR c/kWh	SUMMER PEAK c/kWh	SUMMER SHOULDER c/kWh	WINTER PEAK c/kWh	OFF PEAK c/kWh	DEDICATED CIRCUIT c/kWh	SUMMER EXPORT c/kWh	FEEDIN RATES c/kWh2	CAPACITY \$/kVA/Year	CRITICAL PEAK DEMAND \$/kVA/Year	MONTHLY KW DEMAND \$/kW
Business																
NEE 12 ¹	Small Single Rate		0.5779	0.5779												
NASN19 ²	Business >40MWh Single Rate		0.5779	0.5779												
NEN 12 ¹	Small Single Rate within Embedded Network		0.5779	0.5779												
NSP 12 ⁷	Small Interval Meter time of use						0.5779	0.5779	0.5779	0.4902						
NEE 16 ¹ & 9	Small Single Rate & Dedicated Circuit		0.5779	0.5779							0.4902					
NEN 16 ¹ & 9	Small Single Rate & Dedicated Circuit within Embedded Network		0.5779	0.5779							0.4902					
NSP 16 ⁷ & 9	Small Interval Meter time of use & Dedicated Circuit						0.5779	0.5779	0.5779	0.4902	0.4902					
NEE 17 ¹ & 10	Small Single Rate & Dedicated Circuit with Afternoon Boost		0.5779	0.5779							0.4902					
NEN 17 ¹ & 10	Small Single Rate & Dedicated Circuit with Afternoon Boost within Embedded Network		0.5779	0.5779							0.4902					
NSP 17 ⁷ & 10	Small Interval Meter time of use & dedicated Circuit with Afternoon Boost						0.5779	0.5779	0.5779	0.4902	0.4902					
NEE 18 ¹ & 11	Small Single Rate & Dedicated Circuit 8:00 to 8:00		0.5779	0.5779							0.4902					
NEN 18 ¹ & 11	Small Single Rate & Dedicated Circuit 8:00 to 8:01 within Embedded Network		0.5779	0.5779							0.4902					
NSP 18 ⁷ & 11	Small Interval Meter time of use & dedicated Circuit 8:00 to 8:00						0.5779	0.5779	0.5779	0.4902	0.4902					
NEE 21 ³	Small Two Rate				0.5779					0.4902						
NEN 21 ³	Small Two Rate within Embedded Network				0.5779					0.4902						
NSP 21 ⁷	Small Interval meter time of use						0.5779	0.5779	0.5779	0.4902						
NASN21 ²	Business >40MWh Two Rate				0.5779					0.4902						
NASN2P ²	Business >40MWh Two Rate Premium Feed In				0.5779					0.4902						
NASN2S ²	Business >40MWh Two Rate Standard Feed In				0.5779					0.4902						
SUN21 ³	Small Two Rate Solar Installation Premium Feed In				0.5779					0.4902						
SSP 21 ⁷	Small Interval meter time of use Solar Installation Premium Feed In						0.5779	0.5779	0.5779	0.4902						
SSP 27 ⁷	Small Interval meter time of use Solar Installation Standard Feed In	0.00					0.5779	0.5779	0.5779	0.4902		0.0000				
NEE 27 ³	Small Two Rate Solar Installation Standard Feed In Pre December 2012				0.5779					0.4902						
NEE 28 ³	Small Two Rate Solar Installation Standard Feed In Post January 2013				0.5779					0.4902						
NSP 27 ⁷	Small Interval meter Low Peak time of use						0.5779	0.5779	0.5779	0.4902						
NEE 25 ⁴	Small Two Rate 8:00 to 8:00				0.5779					0.4902						
NEE 40 ⁶	Medium Single Rate		0.5779													
NEE 41 ⁶ & 9	Medium Single Rate & Dedicated Circuit		0.5779								0.4902					
NEE 42 ⁶ & 10	Medium Single Rate & Dedicated Circuit with Afternoon Boost		0.5779								0.4902					
NEE 43 ⁶ & 11	Medium Single Rate & Dedicated Circuit 8:00 to 8:00		0.5779								0.4902					
NEE 51 ³	Medium Two Rate				0.5779					0.4902						
NEE 52 ³	Medium Unmetered				0.5779					0.4902						
NEE 55 ¹²	Medium Snowfields	265.00			0.0000											
NSP 55 ⁷	Medium Interval meter time of use Snowfields	265.00														
NSP 56 ¹³	Medium Critical Peak Demand 160M Wh to 400MWh	265.00														
NEN 56 ¹³	Medium Critical Peak Demand 160M Wh to 400MWh within Embedded Network	265.00														
NEE 60 ⁵	Medium Seven Day Two Rate	265.00														
NEE 74 ³	Large Two Rate	265.00														
NSP 75 ¹³	Large Critical Peak Demand 400M Wh to 750MWh	265.00														
NSP 76 ¹³	Large Critical Peak Demand 750M Wh to 2000MWh	265.00														
NSP 77 ¹³	Large Critical Peak Demand 2000M Wh to 4000MWh	265.00														
NSP 78 ¹³	Large Critical Peak Demand over 4000M Wh	265.00														
NSP 81 ¹⁴	High Voltage Critical Peak Demand	265.00														
NSP 82 ¹³	High Voltage Critical Peak Demand traction	265.00														
NSP 83 ¹³	High Voltage Critical Peak Demand low energy use	265.00														
NSP 91 ¹⁴	Sub transmission Critical Peak Demand <25MVA & <20KM from TS	265.00														
NEE 93 ³	Large Latrobe Valley Open Cut Supplies															
NSP 94 ¹⁴	Sub transmission Critical Peak Demand >25MVA & <20KM from TS	265.00														
NSP 95 ¹⁴	Sub transmission Critical Peak Demand <25MVA & >20KM from TS	265.00														

12.5 Tariff Structure

Tariff Structure 1		
Standing Charge	\$/Year	
Inclining Block 1	c/kWh	1020kWh/qtr
Inclining Block 2	c/kWh	kWh Balance
Tariff Structure 2		
Standing Charge	\$/Year	
Peak Energy	c/kWh	7:00AM to 11:00PM Monday to Friday
Off Peak Energy	c/kWh	All other times
Demand	\$/kW/Month	3:00PM to 9:00PM ADST, Monday to Friday, Peak Season Dec to Mar Off Peak all other months
Tariff Structure 3		
Standing Charge	\$/Year	
Peak Energy	c/kWh	7:00AM to 11:00PM Monday to Friday
Off Peak Energy	c/kWh	All other times
Tariff Structure 4		
Standing Charge	\$/Year	
Peak Energy	c/kWh	8:00AM to 8:00PM Monday to Friday
Off Peak Energy	c/kWh	All other times
Tariff Structure 5		
Standing Charge	\$/Year	
Peak Energy	c/kWh	7:00AM to 11:00PM Monday to Sunday
Off Peak Energy	c/kWh	All other times
Tariff Structure 6		
Standing Charge	\$/Year	
Energy	c/kWh	All energy
Tariff Structure 7		
Standing Charge	\$/Year	
Summer Peak	c/kWh	Dec - Mar, Mon - Fri, 2:00PM - 6:00PM
Summer Shoulder	c/kWh	Dec - Mar, Mon - Fri, 12:00Noon to 2:00PM and 6:00PM to 8:00PM
Winter Peak	c/kWh	Jun - Aug, Mon - Fri, 4:00PM to 8:00PM
Off Peak	c/kWh	All other times

Tariff Structure 8		
Standing Charge	\$/Year	
Summer		2:00AM AEST First Sunday in October to 2:00AM AEST First Sunday in April
Peak	c/kWh	Mon – Fri 3:00PM to 9:00PM
Shoulder	c/kWh	Mon – Fri 7:00AM to 3:00PM & 9:00PM to 10:00PM; and Sat – Sun 7:00AM to 10:00PM
Off Peak	c/kWh	All other times
AEDT in Summer AEST all other times.		
Tariff Structure 9		
Standing Charge	\$/Year	
Off Peak Energy	c/kWh	11:00PM to 7:00AM Monday to Sunday
Tariff Structure 10		
Standing Charge	\$/Year	
Off Peak Energy	c/kWh	11:00PM to 7:00AM & 1:00PM to 4:00PM Monday to Sunday
Tariff Structure 11		
Standing Charge	\$/Year	
Off Peak Energy	c/kWh	6 or 8 Hrs between 8:00PM to 8:00AM Monday to Sunday
Tariff Structure 12		
Standing Charge	\$/Year	
Peak Energy	c/kWh	1 May to 30 September
Off Peak Energy	c/kWh	All other times
Tariff Structure 13		
Standing Charge	\$/Year	
Peak Energy	c/kWh	7:00AM to 10:00AM & 4:00PM to 11:00PM Monday to Friday
Shoulder Energy	c/kWh	10:00AM to 4:00PM Monday to Friday
Off Peak Energy	c/kWh	All other times
Demand Capacity	\$/kVA/yr	Fixed Value
Demand Critical Peak	\$/kVA/yr	Average of five recorded between 3:00PM & 7:00PM ADST on five days nominated in advance
Tariff Structure 14		
Standing Charge	\$/Year	
Peak Energy	c/kWh	7:00AM to 11:00PM Monday to Friday
Off Peak Energy	c/kWh	All other times
Demand Capacity	\$/kVA/yr	Fixed Value
Demand Critical Peak	\$/kVA/yr	Average of five recorded between 3:00PM & 7:00PM ADST on five days nominated in advance

12.6 Prescribed Metering Schedule



Metering Data Services

Un Metered Supplies

Fixed Charge	\$/NMI/pa	\$ 311.15
Fixed Charge	\$/Light/pa	\$ 1.6264

Meter Provision

>160 MWh a year

Multi Phase Direct Connected Meter

Fixed Charge	\$/meter/pa	\$755.00
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Multi Phase Current Transformer Connected Meter

Fixed Charge	\$/meter/pa	\$755.00
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<160 MWh a year

Single Phase Single Element Meter

Fixed Charge	\$/meter/pa	\$108.50
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Single Phase Two Element Meter With Contactor

Fixed Charge	\$/meter/pa	\$124.70
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Multi Phase Meter

Fixed Charge	\$/meter/pa	\$150.60
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Multi Phase Direct Connected Meter With Contactor

Fixed Charge	\$/meter/pa	\$167.10
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Multi Phase Current Transformer Connected Meter

Fixed Charge	\$/meter/pa	\$215.10
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NOTE: The above charges apply to all customers using less than 160,000 kWh a year and first tier customers with annual usage greater than 160,000 kWh that elect not to take a contestable meter option offered by their Retailer.

The charges will be applied on a per meter basis in the following manner:

1. Where a site is > 160 MW, a > 160 MWh Multi Phase CT Connected Meter Provisioning tariff will be applied on a per meter basis.
2. For < 160 MWh sites:
 - a. Which have Multi-phase connections with CT equipment, a Multi Phase CT Connected Meter Provisioning tariff will be applied on a per meter basis.
 - b. Which have Multi-phase connections with a Direct Connection, a Multi Phase, Direct Connected tariff will be applied on a per meter basis.
 - c. With only one meter, which is a Single-phase, single register connection a Single Phase Non Off Peak Meter Provisioning tariff will be applied.
 - d. With Single-phase connections that do not receive a Single Phase Non Off Peak Meter tariff, a Single Phase Off Peak Meter tariff will be applied.
- Note that if a site fits the criteria for more than one of the < 160 MW tariffs, all applicable tariffs may be applied.

The Meter Provisioning charges will be calculated by applying a daily rate to the time period covered in the related NUoS bill.

These charges will be visible in the detailed Billing file, provided on a monthly basis. The charges will be presented in the “600” line structure.

- The “Quantity” field in this structure will reflect the number of days being charged for. In a situation where there are multiple Multi-Phase meters being charged under the same tariff, the “quantity” will be the number of days multiplied by the number of meters.

The “EventDate” field will reflect the “EndDate” presented in the NUoS record

Meter Exit fees

B2B Code	Meter Type	2017 \$
	Single Phase Single Element	488.98
	Single Phase Two Element with Contactor	522.30
	Multiphase	567.88
	Multiphase with Contactor	584.74
	Multiphase CT Connected	659.94

12.7 Ancillary Services Schedule

FEE BASED ALTERNATIVE CONTROL SERVICES

Date of Application - 1 January 2017

B2B Code	Code	AH/NH	Field officer visits	\$ GST Excl
020600	020600	0	Field officer visits—BH	18.46
020600AH	020600	1	Field officer visits—AH	332.22
020710	020710	0	Remote Re-energisation - Any Time	6.32
020720	020720	0	Remote De-energisation - Any Time	6.32
020800	020800	0	Remote Meter Re-configuration	28.13
020900	020900	0	Remote Special Read	1.36
			Routine new connections — AusNet Services responsible for metering, customers < 100amps	
010107	010107	0	Single Ø Overhead—BH	398.42
010107AH	010107	1	Single Ø Overhead—AH	480.46
010125	010125	0	Install 95mm overhead service from LVABC - BH	656.61
010125AH	010125	1	Install 95mm overhead service from LVABC - AH	822.55
010109	010109	0	Single Ø Underground—BH	206.93
010109AH	010109	1	Single Ø Underground—AH	264.69
010111	010111	0	Multi Ø Overhead—Direct Connected Meter—BH	425.82
010111AH	010111	1	Multi Ø Overhead—Direct Connected Meter—AH	513.49
010112	010112	0	Multi Ø Overhead—CT Connected Meter—BH	571.69
010112AH	010112	1	Multi Ø Overhead—CT Connected Meter—AH	689.40
010113	010113	0	Multi Ø Underground—Direct Connected Meter—BH	309.66
010113AH	010113	1	Multi Ø Underground—Direct Connected Meter—AH	383.51
010114	010114	0	Multi Ø Underground—CT Connected Meter—BH	446.76
010114AH	010114	1	Multi Ø Underground—CT Connected Meter—AH	553.30
010115	010115	0	Temporary Overhead Supply—Coincident Disconnection (Truck visit)—BH	335.23
010115AH	010115	1	Temporary Overhead Supply—Coincident Disconnection (Truck visit)—AH	425.77
			Routine new connections — AusNet Services not responsible for metering, customers < 100amps	
010116	010116	0	Single Ø Overhead—BH	398.42
010116AH	010116	1	Single Ø Overhead—AH	480.46
010126	010126	0	Install 95mm overhead service from LVABC - BH	656.61
010126AH	010126	1	Install 95mm overhead service from LVABC - AH	822.55
010118	010118	0	Single Ø Underground—BH	206.93
010118AH	010118	1	Single Ø Underground—AH	264.69
010120	010120	0	Multi Ø Overhead—Direct Connected Meter—BH	425.82
010120AH	010120	1	Multi Ø Overhead—Direct Connected Meter—AH	513.49
010121	010121	0	Multi Ø Overhead—CT Connected Meter—BH	571.69
010121AH	010121	1	Multi Ø Overhead—CT Connected Meter—AH	689.40
010122	010122	0	Multi Ø Underground—Direct Connected Meter—BH	309.66
010122AH	010122	1	Multi Ø Underground—Direct Connected Meter—AH	383.51
010123	010123	0	Multi Ø Underground—CT Connected Meter—BH	446.76
010123AH	010123	1	Multi Ø Underground—CT Connected Meter—AH	553.30
010124	010124	0	Temporary Overhead Supply—Coincident Disconnection (Truck visit)—BH	335.23
010124AH	010124	1	Temporary Overhead Supply—Coincident Disconnection (Truck visit)—AH	425.77
			Service truck visits	
030000	030000	0	Service Truck Visit—BH	335.23
030001	030001	0	Wasted Truck Visit—BH	190.76
030001AH	030001	1	Wasted Truck Visit—AH	275.79
030000AH	030000	1	Service Truck Visit—AH	425.77
030100AH	030100	1	Truck Appointment—AH	Quoted service
			Meter equipment tests	
060100	060100	0	Single phase	157.86
060200	060200	0	Single phase (each additional meter)	58.81
060300	060300	0	Multi Phase	187.28
060400	060400	0	Multi Phase (each additional meter)	88.21
			Small Generator Installations (Including PV)	
100100	100100	0	Pre Approval of PV and small generator installation < 4.6kW - BH	-
100101	100101	0	Pre Approval of PV and small generator installation 4.6kW to 15kW - BH	147.03
100102	100102	0	Pre Approval of PV and small generator installation 15kW to 30kW - BH	194.92
100103	100103	0	Meter Exchange for PV and small generator installation	Exit Fee + Service Truck Visit
100104	100104	0	Meter Reconfiguration for PV and small generator installation	27.85

QUOTED ALTERNATIVE CONTROL SERVICES

Date of Application - 1 January 2016

Labour category	Service description	2017	2017
		\$/hour rate - BH	\$/hour rate - AH
Labour—wages	Construction Overhead Install	102.91	124.99
Labour—wages	Construction Underground Install	100.51	122.08
Labour—wages	Construction Substation Install	100.51	122.08
Labour—wages	Electrical Tester Including Vehicle & Equipment	179.70	202.60
Labour—wages	Planner Including Vehicle	138.15	-
Labour—wages	Supervisor Including Vehicle	138.15	-
Labour—design	Design	117.96	143.26
Labour—design	Drafting	90.64	110.09
Labour—design	Survey	106.77	129.68
Labour—design	Tech Officer	106.77	129.68
Labour—design	Line Inspector	102.91	124.99
Labour—design	Contract Supervision	106.77	129.68
Labour—design	Protection Engineer	117.96	143.26
Labour—design	Maintenance Planner	106.77	129.68

12.8 Public lighting Schedule



PUBLIC LIGHTING PRICES Effective 1 January 2017 NOTE: ALL PRICES EXCLUSIVE OF GST

PUBLIC LIGHTING OPERATION, REPAIR, REPLACEMENT AND MAINTENANCE CHARGES

The following prices apply to Standard and Non Standard public lights that are maintained by AusNet Services Electricity under the Public Lighting Code throughout its distribution area unless an alternative charge has been negotiated and agreed in writing with the public lighting customer.

Central is Local Government areas of:

• Banyule, Cardinia, Casey, Darebin, Frankston, Greater Dandenong, Hume, Knox, Manningham, Maroondah, Nillumbik, Whittlesea, Yarra Ranges.

North and East are Local Government areas of:

• Alpine, Bass Coast, Baw Baw, Benalla, Bogong Trading Company, East Gippsland, Falls Creek Resort, Indigo, La Trobe, Mansfield, Mitchell, Moira, Mount Butler Resort, Murrindindi, South Gippsland, Strathbogie, Towong, Wangaratta, Wellington, Wodonga.

Annual Charge

Charge Code	Service Description (LIGHT TYPE AND RATING)	Central \$	North & East \$
Category P lights			
17*114	Standard Output LED (Includes 18W LED)	15.18	15.57
17*115	Non Standard Luminaire, Standard Output LED	15.18	15.57
17*116	High Output LED	15.18	15.57
17*108	2 x 14W T5 Fluorescent	32.79	37.46
17*112	2 x 24W T5 Fluorescent	39.02	44.47
17*113	32W Compact Fluorescent	29.11	33.34
17*107	42W Compact Fluorescent	29.11	33.34
17*001	50W Colour Corrected Mercury Vapour	56.36	62.39
17*002	80W Colour Corrected Mercury Vapour	36.84	42.16
17*003	125W Colour Corrected Mercury Vapour	54.15	62.39
17*010	50W High Pressure Sodium	41.18	48.24
17*109	70W Metal Halide	160.80	160.39
Category V Lights			
17*117	L1 LED	22.00	22.41
17*118	L2 LED	22.67	23.15
17*119	L3 LED	24.09	24.52
17*004	250W Colour Corrected Mercury Vapour	98.49	109.05
17*005	400W Colour Corrected Mercury Vapour	102.24	112.19
17*009	100W High Pressure Sodium	99.38	113.51
17*100	150W High Pressure Sodium	92.88	106.08
17*101	250W High Pressure Sodium	93.80	104.85
17*102	400W High Pressure Sodium	133.20	148.89
17*110	100W Metal Halide	221.77	224.68
17*111	150W Metal Halide	251.95	255.26

The following obsolete light types have been deleted from AusNet Services' Standard and Non Standard Light offering.

17*006	700W Colour Corrected Mercury Vapour
17*007	90W Low Pressure Sodium
17*008	180W Low Pressure Sodium
17*103	2x20W Fluorescent
17*104	4x40W Fluorescent

The third character (*) in the above charge Codes is variable dependent upon location and shared or full cost allocation.



PUBLIC LIGHTING PRICES

Effective 1 January 2017

NOTE: ALL PRICES EXCLUSIVE OF GST

PUBLIC LIGHTING MV80 WRITTEN DOWN VALUE AND AVOIDED COSTS

WDV RAB - MV 80 Luminair

Central
\$
\$46.46

North & East
\$
\$51.06

Avoided Costs - MV 80 O & M

Materials & labour - bulk lamp change

-\$22.41

-\$26.94

Materials & Labour - repair of faults

-\$2.03

-\$2.59

-\$24.43

-\$29.53