



# **Draft Network Tariff Strategy (Addenda)**

**Periods 2 to 5  
1 July 2008 – 30 June 2012**

**March 2008**

Readers are advised that there are a number of terms and expressions utilised throughout this document that they may not be familiar with.

Readers that are not familiar with these terms and conditions will find an explanation of these terms and expressions in the interpretations on page iv.

## **Summary**

Aurora proposes to re-set the price of its Network Tariffs on 1 July 2008 and has released a Draft Network Tariff Strategy as part of that process.

Aurora has received feedback from stakeholders that the Draft Network Tariff Strategy may be deficient in certain areas and lack some important detail. There are five particular areas where this is evident:

- Curtilage Arrangements;
- Multiple Connections
- Time Period Definition;
- Tariff Terms & Conditions; and
- Network Tariff Prices.

To assist stakeholders Aurora has provided further detail on these issues in this addendum.

## Contents

Summary .....	ii
Interpretation .....	iv
1 Addenda .....	1
1.1 Background .....	1
1.2 Curtilage Arrangements .....	1
1.2.1 Aurora’s Proposal.....	2
1.3 Multiple Connections .....	2
1.3.1 South Australian Experience .....	2
1.3.2 Aurora’s Proposal.....	4
1.4 Eastern Standard Time .....	4
1.5 Tariff Terms and Conditions .....	5
1.6 Network Tariffs .....	5
1.7 Consultation .....	5
Appendix A .....	1
1.1 N01 – General Network .....	1
1.2 N01a – General Network (Curtilage).....	2
1.3 N02 – General Network (Business) .....	3
1.4 N03 – LV Metered Demand (kW) .....	4
1.5 N05 – Uncontrolled Energy .....	5
1.6 N06 – Controlled Energy .....	5
1.7 N07 – Small LV Unmetered.....	6
1.8 N08 –LV Day/Night (Irrigation) .....	7
1.9 N09 – LV Metered Demand (kVA) .....	8
1.10 N10 – HV Metered Demand (kVA).....	9
1.11 N11 – HV Metered Demand (kW).....	10
1.12 N13 – LV PAYG.....	11
1.13 N20 – Streetlight NUoS .....	11
1.14 N15 – HV Customers with Demand in excess of 2MVA .....	12

## Interpretation

Unless the contrary intention appears, an expression used in this document has the same meaning as it has in the Tasmanian Electricity Code.

In this document –

“**A**” or “**Amp**” means ampere;

“**AARR**” means the aggregate annual revenue requirement determined in accordance with Clause 4 of the 2007 Determination;

“**ABC**” means aerial bundled cable;

“**AER**” means the Australian Energy Regulator;

“**Aurora**” means Aurora Energy Pty Ltd (ABN 85 082 464 622);

“**charging parameters**” of a Network Tariff means the constituent elements of the Network Tariff;

“**Consumer Price Index**” or “**CPI**” means the Consumer Price Index: Average All Capital Cities published by the Australian Statistician under the Census and Statistics Act 1905 of the Commonwealth;

“**distribution connected customer**” means a **distribution customer** other than an **electricity retailer**, where **distribution customer** and **electricity retailer** have the same meaning as in the *TEC*;

“**distribution network tariff**” means the schedule of fees (including the rate or rates) Aurora uses to calculate the amount it charges customers, or a class of customers, to recover its AARR, as amended from time to time;

“**DORC**” means depreciated optimised replacement cost;

“**duration of the Determination**” means the period from 1 January 2008 to 30 June 2012;

“**ESI Act**” means the *Electricity Supply Industry Act 1995*.

“**Final Pricing Investigation Report**” means the *Investigation of Prices for Electricity Distribution Services and Retail Tariffs on Mainland Tasmania, Final Report and Proposed Maximum Prices* issued in September 2007;

“**Guideline**” means the *Approval of Network Tariffs in accordance with the 2007 Determination Guideline* issued by the Regulator in November 2007;

“**HV**” means high voltage;

“**kVA**” means kilovolt amp;

“**kW**” means kilowatt;

“**kWh**” means kilowatt hour;

“**LV**” means low voltage;

“**LRMC**” means long run marginal cost;

“**National Electricity Law**” or “**NEL**” has the same meaning as in the *ESI Act*;

“**National Electricity Market**” or “**NEM**” has the same meaning as in the *ESI Act*;

“**National Electricity Rules**” or “**NER**” has the same meaning as in the *ESI Act*;

“**NEMMCO**” has the same meaning as in the *ESI Act*;

“**NEM related costs**” means those costs incurred by Aurora in providing the declared services related to electricity market reform as approved by the Regulator under Clause 4 of the 2007 Determination;

“**Network Tariff**” means the schedule of fees (including the rate or rates) Aurora uses to calculate the amount it charges customers, or a class of customers, for network services, and for network services and metering services associated with a Type 5, 6 or 7 installation, as amended from time to time;

“**ORC**” means optimised replacement cost;

“**period 1**” means the period commencing 1 January 2008 and ending on 30 June 2008;

“**period 2**” means the period commencing 1 July 2008 and ending on 30 June 2009;

“**period 3**” means the period commencing 1 July 2009 and ending on 30 June 2010;

“**period 4**” means the period commencing 1 July 2010 and ending on 30 June 2011;

“**period 5**” means the period commencing 1 July 2011 and ending on 30 June 2012;

“**Price Control Regulations**” mean the *Electricity Supply Industry (Price Control) Regulations 2003*;

“**RBA**” means the Reserve Bank of Australia;

“**Regulator**” has the same meaning as in the *ESI Act*;

“**SRMC**” means short run marginal cost;

**“TEC”** means the *Tasmanian Electricity Code* (as amended from time to time), published by the Regulator under the *ESI Act*;

**“Transend”** means Transend Networks Pty Ltd (ABN 57 082 586 892) or its successors;

**“transmission charges”** means those charges attributable to distribution connected customers imposed by Transend for the provision of transmission services in accordance with the *NER*;

**“typical customers”** means a set of customers derived using the methodology described in the *Typical Electricity Customers Information Paper* issued by the Office of the Tasmanian Energy Regulator in March 2006;

**“2007 Determination”** means the *Electricity Supply Industry Pricing Policies Declared Electrical Services Pricing Determination* issued by the Regulator in accordance with the *Price Control Regulations* in October 2007.

## **1 Addenda**

### **1.1 Background**

The purpose of this document is to provide stakeholders with additional information on certain aspects of the Aurora Draft Network Tariff Strategy (Draft Strategy) published 28 February 2008. Stakeholders have commented that there are a number of areas within the Draft Strategy that are deficient in information and that certain sections lack sufficient detail to make informed commentary.

There are five particular areas within the Draft Strategy that Aurora wishes to provide further commentary and discussion. These areas are:

1. Curtilage Arrangements;
2. Multiple Connections;
3. Time Period Definition;
4. Tariff Terms & Conditions; and
5. Network Tariff Prices.

### **1.2 Curtilage Arrangements**

Aurora's current tariff arrangements contain discounts for combinations of residential dwellings and farm buildings on the same property ("same curtilage discount").

Same curtilage discounts are currently granted to approximately 5,300 customers in Tasmania. These customers will become contestable should full retail competition occur, which will not commence before 1 July 2010.

In future any subsidy built into discounts for rural customers will have to be built into Network Tariffs. Subsidies within retail pricing arrangements will be quickly competed away in a competitive market.

Because each meter (or more precisely NMI) will be considered a separate customer for NEM and contestability purposes, Aurora will be required to set a network charge for each NMI. There does not appear to be anything in the NER to prevent Aurora from applying a discount to the tariff at a particular NMI that is located on the same curtilage as another NMI provided that the discount is available to any retailer supplying that NMI.

However, details of same curtilage discounts are currently handled at the customer, rather than installation level within Aurora's information system. Establishing and maintaining separate discount information in the network pricing database would add cost and complicate the pricing and billing processes. This is particularly true where the tariff at one NMI is related to the tariff at other NMIs, which may be serviced by different retailers.

In general, these same curtilage discounts have been phased out in other states as retail contestability has been rolled out.

### **1.2.1 Aurora's Proposal**

Aurora does not propose to provide for "same curtilage" discounts in its network tariff regime. The proposed Network Tariffs have daily charges which only recover the cost of the meter and a small length of low voltage connection asset (typically 25m of single phase overhead line). Aurora submits that charging a separate and undiscounted network tariff for each meter is therefore cost reflective.

Aurora proposes that no new same curtilage discounts be provided from 1 July 2008 and that existing discounts should expire on 1 July 2009.

Aurora acknowledges that customers may have installed more meters or metering points than would have been the case if the "same curtilage" discounts had not been available. Therefore Aurora proposes to introduce an amended tariff (N01a), from 1 July 2008, which will apply to installations that receive the current Aurora curtilage discount. Aurora will provide a discount of 50% of the daily charge applicable to tariff N01 for the period commencing 1 July 2008 and discontinue the discount from 1 July 2009 and abolish the N01a tariff at the same time.

### **1.3 Multiple Connections**

Aurora's current tariff arrangements also contain discounts for multiple connections to the same property ("multiple connection discount").

Multiple connection discounts are currently granted to approximately 110 customers in Tasmania. Some of these customers will become contestable prior to full retail competition, with the remainder becoming contestable should full retail competition occur.

These connections differ from curtilage arrangements as they are individual connections from the distribution network to a property and not multiple metering points that share a common network connection.

As is the case for same curtilage discount, details of multiple connection discounts are currently handled at the customer, rather than installation level within Aurora's information system.

In general, these multiple connection discounts have been phased out in other states as retail contestability has been rolled out.

#### **1.3.1 South Australian Experience**

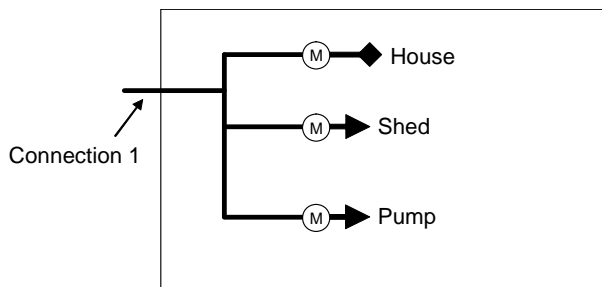
A similar multiple connection discount arrangement to that currently operating in Tasmania existed in South Australia prior to full retail competition.

When full retail contestability was rolled out in South Australia, the former monopoly retailer, AGL SA could no longer cross-subsidise the rural multiple tariff/connection discounts. The discounts were subsequently withdrawn by the retailer. Following community concerns at the resulting electricity price increases for rural customers, the SA jurisdictional retailer, ESCOSA, initiated a review of multiple tariff/connection arrangements.<sup>1</sup>

ESCOSA identified two categories of connection configuration.

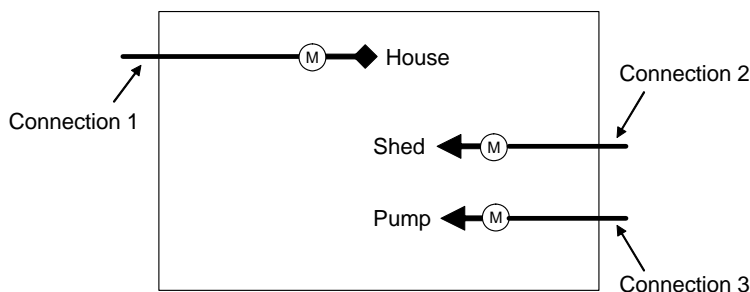
Category One customers have multiple meters and tariffs on a single connection to a property. This category corresponds to customers eligible for a same curtilage discount in Tasmania.

Figure 1 - Category One Connection Configuration



Category Two customers have multiple connections to their property. This category corresponds to customers eligible for a multiple connection discount in Tasmania.

Figure 2 - Category Two Connection Configuration



ESCOSA concluded that this discount should be phased out:

<sup>1</sup> ESCOSA's conclusions are discussed below. However, interested parties wanting further information should read ESCOSA's discussion paper and decision documents:

- ◆ ESCOSA, Review of Supply Charges for Combination Tariffs and Multiple Connection Points Discussion Paper, February 2003
- ◆ ESCOSA, Review of Supply Charges for Combination Tariffs and Multiple Connection Points Draft Decision, May 2003
- ◆ ESCOSA, Supply Charges for Multiple Connection Points Final Decision, July 2003

These documents are available on ESCOSA's website ([www.escosa.sa.gov.au](http://www.escosa.sa.gov.au)). Follow the "publications" link to "electricity publications".

*Category Two premises, on the other hand, have multiple connection lines and separately located meters to maintain and read. These situations presumably developed under two broad scenarios: either by acquisition of adjoining properties which had their own connection line and meters, or by connecting a remote requirement (pump, bore, etc) to the nearest possible point on [the distributor's] grid rather than by routing via the main connection line...*

*In the case of adjoining properties, the [multiple connection discount] produces a loss of revenue to the electricity retailer, as the acquired property would have originally been paying supply charges; if the property was sold to the neighbour, they would have [paid less] even though [the distributor's] responsibilities for maintaining the connection and meter remained unchanged...*

*In the case of multiple connection points arising from connection to the nearest point of supply, it is clear that it would be very expensive to rewire the property for supply from a single connection point. The reason for multiple connection points is that this was the lowest cost solution to the land owner. However, the cost to [the distributor] of maintaining each connection line and meter is no different from the cost of an individual connection to any other consumer.*

*... the Commission believes that it is difficult to justify special treatment for multiple connection point situations (Category Two above). The costs incurred by [the distributor] in maintaining the connection, providing meters and reading meters are identical for each connection point / meter, and there are no apparent economies associated with these arrangements. As is the case interstate, it is reasonable for [the distributor] to apply full supply charges to each connection point....<sup>2</sup>*

### **1.3.2 Aurora's Proposal**

Aurora does not propose to provide for multiple connection discounts in its network tariff regime. The proposed Network Tariffs have charges that are designed to recover the costs associated with the use of the network and the connection that is provided to the customer. Aurora submits that charging a separate and undiscounted network tariff for each connection is therefore cost reflective.

### **1.4 Eastern Standard Time**

Particular Network Tariffs such as N06 – Controlled Heating and N08 – LV Day/Night (Irrigation) have time periods associated with their charging regime. For the purposes of clarity Aurora will amend its Network Tariff Application guide to include a clause that defines all time periods as being Australian Eastern Standard Time. This change is consistent with the treatment of time periods within the TEC, NER and NEM where there is no adjustment made for the introduction and cessation of “daylight saving” provisions each year.

---

<sup>2</sup> ESCOSA, Review of Supply Charges for Combination Tariffs and Multiple Connection Points Discussion Paper, February 2003, p12.

This change will also mean that customers will not have any time switches or clocks adjusted to take account of daylight savings.

### ***1.5 Tariff Terms and Conditions***

Previously Aurora's tariffs were provided to customers, with both retail and network related terms and conditions. In keeping with the move to contestability in Tasmania, there is a continued need to delineate between Aurora's obligations as a network provider, and as a retailer.

There are a number of terms and conditions that are applicable to tariffs and these have not been detailed in the draft Network Tariff Strategy. Parties wishing to view the existing terms and conditions of Network Tariffs should consult the Network Tariff Application guide. The current version of the Network Tariff Application guide is available at [www.auroraenergy.com.au](http://www.auroraenergy.com.au).

Aurora will review this guide as part of the tariff setting process and will release a new guide at the same time as it submits its Network Pricing Proposal for Period 2 to the Regulator.

### ***1.6 Network Tariffs***

The Draft Strategy included a typical customer analysis of tariffs at a retail level only. Stakeholders have commented that the Draft Strategy did not detail the proposed Network Tariffs that would apply for future periods. Aurora has provided the estimated tariffs for Periods 2 – 5 as Appendix A.

**Readers are cautioned that the Network Tariff analysis provides a high level estimate of potential tariffs only and no reliance should be placed on the values or prices presented in the analysis. It is almost certain that final tariffs will not match those shown in the analysis due to differences between Aurora's estimates and final outcomes.**

### ***1.7 Consultation***

Aurora invites submissions from interested parties on the issues outlined in this paper.

Written submissions should be received by 5:00pm on Friday, 28 March 2008.

Aurora intends to publish all submissions on Aurora Energy's website but will, on request, withhold confidential information. In order to facilitate website publication it would be appreciated if submissions could be sent via e-mail to [tariff.strategy@auroraenergy.com.au](mailto:tariff.strategy@auroraenergy.com.au).

Alternatively written submissions may be posted to:

Mr Leigh Mayne  
Network Regulation Manager  
Aurora Energy Pty Ltd  
177 Main Rd,  
MOONAH TAS 7009.

## Appendix A

### 1.1 N01 – General Network

<b>N01</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS Charge					
Daily Charge	c/day	34.999	36.700	38.451	38.481
First 500kWh per Quarter	c/kWh	6.850	7.267	7.267	8.100
Next 1000kWh per Quarter	c/kWh	6.801	6.742	6.683	6.625
Remaining Consumption	c/kWh	6.600	6.608	6.616	6.625
TUoS Charge					
First 500kWh per Quarter	c/kWh	2.505	2.744	2.565	2.585
Next 1000kWh per Quarter	c/kWh	2.046	2.301	2.153	2.184
Remaining Consumption	c/kWh	1.693	2.301	2.153	2.184
Meter Charge					
Daily Charge	c/day	7.272	7.657	8.049	9.414
Total Charge (NUoS)					
Daily Charge	c/day	42.271	44.357	46.500	47.895
First 500kWh per Quarter	c/kWh	9.355	10.011	9.832	10.685
Next 1000kWh per Quarter	c/kWh	8.847	9.043	8.836	8.809
Remaining Consumption	c/kWh	8.293	8.909	8.769	8.809

**1.2 N01a – General Network (Curtilage)**

<b>N01a</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>
<b>DUoS Charge</b>			
Daily Charge	c/day	17.500	36.700
First 500kWh per Quarter	c/kWh	6.850	7.267
Next 1000kWh per Quarter	c/kWh	6.801	6.742
Remaining Consumption	c/kWh	6.600	6.608
<b>TUoS Charge</b>			
First 500kWh per Quarter	c/kWh	2.505	2.744
Next 1000kWh per Quarter	c/kWh	2.046	2.301
Remaining Consumption	c/kWh	1.693	2.301
<b>Meter Charge</b>			
Daily Charge	c/day	7.272	7.657
<b>Total Charge (NUoS)</b>			
Daily Charge	c/day	42.271	44.357
First 500kWh per Quarter	c/kWh	9.355	10.011
Next 1000kWh per Quarter	c/kWh	8.847	9.043
Remaining Consumption	c/kWh	8.293	8.909

### 1.3 N02 – General Network (Business)

<b>N02</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
<b>DUoS Charge</b>					
Daily Charge	c/day	34.999	36.700	38.451	38.481
First 500kWh per Quarter	c/kWh	7.952	8.000	8.050	8.100
Remaining Consumption	c/kWh	5.480	5.862	5.862	6.625
<b>TUoS Charge</b>					
First 500kWh per Quarter	c/kWh	2.950	2.305	2.433	2.461
Remaining Consumption	c/kWh	2.013	2.305	2.433	2.461
<b>Meter Charge</b>					
Daily Charge	c/day	10.540	11.080	11.622	12.161
<b>Total Charge (NUoS)</b>					
Daily Charge	c/day	45.539	47.780	50.073	50.642
First 500kWh per Quarter	c/kWh	10.902	10.305	10.483	10.561
Remaining Consumption	c/kWh	7.493	8.167	8.295	9.086

**1.4 N03 – LV Metered Demand (kW)**

<b>N03</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
<b>DUoS Charge</b>					
Daily Charge	c/day	104.986	112.026	120.230	129.056
All Energy Charge	c/kWh	1.498	1.498	1.545	1.085
First 250kW Demand	c/kW/day	30.500	30.500	33.270	34.219
Additional Demand	c/kW/day	25.000	25.606	28.238	31.089
<b>TUoS Charge</b>					
All Energy Charge	c/kWh	1.079	1.318	1.449	1.481
First 250kW Demand	c/kW/day	13.259	13.442	13.538	13.557
Additional Demand	c/kW/day	12.493	12.569	12.609	12.617
<b>Meter Charge</b>					
Daily Charge	c/day	13.525	14.163	14.792	15.418
<b>Total Charge (NUoS)</b>					
Daily Charge	c/day	118.511	126.189	135.022	144.474
All Energy Charge	c/kWh	2.577	2.816	2.994	2.566
First 250kW Demand	c/kW/day	43.759	43.942	46.808	47.776
Additional Demand	c/kW/day	37.493	38.175	40.847	43.706

### 1.5 N05 – Uncontrolled Energy

<b>N05</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS Charge					
Daily Charge	c/day	3.500	3.500	3.500	3.606
All Energy	c/kWh	1.650	1.650	1.650	1.775
TUoS Charge					
All Energy	c/kWh	1.130	1.262	1.310	1.325
Meter Charge					
Daily Charge	c/day	7.218	7.600	7.990	8.370
Total Charge (NUoS)					
Daily Charge	c/day	10.718	11.100	11.490	11.976
All Energy	c/kWh	2.780	2.912	2.960	3.100

### 1.6 N06 – Controlled Energy

<b>N06</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS Charge					
Daily Charge	c/day	6.241	8.073	8.073	9.598
All Energy	c/kWh	0.275	0.295	0.336	0.386
TUoS Charge					
All Energy	c/kWh	0.681	0.649	0.613	0.620
Meter Charge					
Daily Charge	c/day	7.413	7.799	8.190	8.575
Total Charge (NUoS)					
Daily Charge	c/day	13.654	15.872	16.263	18.173
All Energy	c/kWh	0.956	0.944	0.949	1.006

**1.7 N07 – Small LV Unmetered**

<b>N07</b>		<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS Charge					
Daily Charge	c/day	24.330	24.330	24.087	24.087
All Energy Charge	c/kWh	10.948	10.946	11.005	10.982
TUoS Charge					
All Energy Charge	c/kWh	2.041	2.173	1.982	2.006
Total Charge (NUoS)					
Daily Charge	c/day	24.330	24.330	24.087	24.087
All Energy Charge	c/kWh	12.989	13.119	12.987	12.988

**1.8 N08 –LV Day/Night (Irrigation)**

<b>N08</b>		<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS Charge					
Daily Charge	c/day	84.191	86.972	86.353	91.039
Day Energy Charge	c/kWh	5.628	5.532	5.296	5.541
Night Energy Charge	c/kWh	0.555	0.447	0.388	0.374
TUoS Charge					
Day Energy Charge	c/kWh	4.031	4.465	4.701	4.756
Night Energy Charge	c/kWh	1.008	1.116	1.175	1.189
Meter Charge					
Daily Charge	c/day	13.203	13.831	14.450	15.069
Total Charge (NUoS)					
Daily Charge	c/day	97.394	100.803	100.803	106.108
Day Energy Charge	c/kWh	9.659	9.997	9.997	10.297
Night Energy Charge	c/kWh	1.563	1.563	1.563	1.563

**1.9 N09 – LV Metered Demand (kVA)**

<b>N09</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
<b>DUoS Charge</b>					
Daily Charge	c/day	161.764	161.764	161.764	159.871
All Energy Charge	c/kWh	1.400	1.400	1.400	1.090
First 250kVA Demand	c/kVA/day	17.654	19.880	21.016	21.295
Additional Demand	c/kVA/day	14.574	17.951	19.200	21.628
<b>TUoS Charge</b>					
All Energy Charge	c/kWh	0.728	0.955	1.078	1.107
First 250kVA Demand	c/kVA/day	15.689	15.846	15.927	15.943
Additional Demand	c/kVA/day	15.482	15.561	15.602	15.610
<b>Meter Charge</b>					
Daily Charge	c/day	13.525	14.163	14.792	15.418
<b>Total Charge (NUoS)</b>					
Daily Charge	c/day	175.289	175.927	176.556	175.289
All Energy Charge	c/kWh	2.128	2.355	2.478	2.197
First 250kVA Demand	c/kVA/day	33.343	35.726	36.943	37.238
Additional Demand	c/kVA/day	30.056	33.512	34.802	37.238

**1.10 N10 – HV Metered Demand (kVA)**

<b>N10</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS Charge					
Daily Charge	c/day	105.223	106.200	112.855	122.958
All Energy Charge	c/kWh	0.078	0.190	0.192	0.200
Demand Charge	c/kVA/day	16.942	17.218	17.260	17.748
TUoS Charge					
All Energy Charge	c/kWh	1.055	0.929	0.975	0.987
Monthly Demand Charge	c/kVA/day	3.125	3.050	3.077	3.082
Meter Charge					
Daily Charge	c/day	59.456	61.283	64.251	66.546
Total Charge (NUoS)					
Daily Charge	c/day	164.679	167.483	177.106	189.504
All Energy Charge	c/kWh	1.133	1.119	1.167	1.187
Monthly Demand Charge	c/kVA/day	20.067	20.268	20.337	20.830

**1.11 N11 – HV Metered Demand (kW)**

<b>N11</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS Charge					
Daily Charge	c/day	105.223	106.200	112.855	122.958
All Energy Charge	c/kWh	0.088	0.155	0.198	0.183
Demand Charge	c/kW/day	21.960	22.450	20.377	20.367
TUoS Charge					
All Energy Charge	c/kWh	1.117	0.992	1.022	1.037
Monthly Demand Charge	c/kW/day	3.198	3.095	3.118	3.128
Meter Charge					
Daily Charge	c/day	59.456	61.283	64.251	66.546
Total Charge (NUoS)					
Daily Charge	c/day	164.679	167.483	177.106	189.504
All Energy Charge	c/kWh	1.205	1.147	1.220	1.220
Monthly Demand Charge	c/kW/day	25.158	25.545	23.495	23.495

### 1.12 N13 – LV PAYG

<b>N13</b>	<b>Unit</b>	<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS Charge					
Daily Charge	c/day	33.148	37.059	38.171	40.843
All Energy	c/kWh	3.979	4.458	4.931	5.083
TUoS Charge					
All Energy	c/kWh	1.535	1.707	1.647	1.666
Meter Charge					
Daily Charge	c/day				
Total Charge (NUoS)					
Daily Charge	c/day	33.148	37.059	38.171	40.843
All Energy	c/kWh	5.514	6.165	6.578	6.749

### 1.13 N20 – Streetlight NUoS

<b>N20</b>		<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS Charge					
Demand Charge	c/W/day	0.081	0.090	0.090	0.095
TUoS Charge					
Demand Charge	c/W/day	0.014	0.014	0.014	0.015
Total Charge (NUoS)					
Demand Charge	c/W/day	0.095	0.104	0.104	0.110

**1.14 N15 – HV Customers with Demand in excess of 2MVA**

<b>N15</b>		<b>P2 Tariff charge</b>	<b>P3 Tariff charge</b>	<b>P4 Tariff charge</b>	<b>P5 Tariff charge</b>
DUoS					
Daily Charge	\$/day	16.125	17.979	19.238	20.585
Specified Demand Charge	c/kVA/day	7.306	8.142	8.712	9.322
Excess Demand Charge	c/kVA/day	21.917	24.426	26.136	27.966
Peak Energy Charge	c/kWh	1.162	1.295	1.386	1.483
Shoulder Energy	c/kWh	0.315	0.350	0.374	0.400
Off-Peak Energy	c/kWh	0.039	0.043	0.046	0.049
Connection					
Specified Demand Charge	c/kVA/day	0.261	0.261	0.261	0.279
Excess Demand Charge	c/kVA/day	0.783	0.783	0.791	0.840
Meter Charge (if applicable)					
Daily Charge	c/day	59.456	61.283	61.283	61.283
Transmission Charge					
Demand Charge	c/kVA/day	Nodal	Nodal	Nodal	Nodal
Excess Demand Charge	c/kVA/day	3 x Nodal	3 x Nodal	3 x Nodal	3 x Nodal