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Regulatory Proposal
July 2015





NETWORK TARIFF & NEGOTIATED SERVICES

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DATE	EXPLANATION
18 March 2013	<ul style="list-style-type: none"> • Section 9 <ul style="list-style-type: none"> – Page 65 Removed charges for pre-payment metering. – Page 68 added new Meter Test and Meter Inspection charges where a customer/retailer has requested an appointment. – Page 68 changed title category for PV Meter Test. – Page 73 changes wording for AH appointments back to original terminology of Priority Appointment.
June 2013	<ul style="list-style-type: none"> • Section 1 <ul style="list-style-type: none"> – 1.2 Terms & Definitions – added Excess kVAr charge. • Section 4 (4.3 Network Tariffs). • Section 5 (5.1 Marketing Types). • Section 7 (7.2 Process – Residential Customer, 7.3.3 Residential House – Meter/Tariff). • Section 8 (8.1 Excess kVAr Charges). • Section 9 Network Distribution Services <ul style="list-style-type: none"> – Added 9.3.3. • Section 10 Feeder Charges. • Section 11 Tariff Schedule.
October 2013	<ul style="list-style-type: none"> • Section 11 - Clarification to Sub-Transmission and Back-up Tariffs. • Section 12 – Added note 2 (p).
June 2014	<ul style="list-style-type: none"> • Section 1 – updated definitions. • Sections 8, 9, 11, 12 and 13 updated.
June 2015	<ul style="list-style-type: none"> • All Sections updated.
July 2015	<ul style="list-style-type: none"> • Section 9 – added new codes BCS144 & BCS145 • Updated Section 13 – Tariff Mapping

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1. INTRODUCTION

1.1 Scope and Purpose

SA Power Networks June 2015 Revised Pricing Proposal has established five tariff classes into which the tariffs that its customers for direct control services have been separated:

- Major Business
- High Voltage Business
- Low Voltage Business
- Residential (including Controlled Load)
- Metering Services

SA Power Networks is required to assign a Network tariff to each of a customer's connection points, on the basis of a number of factors set out in the National Electricity Rules (the Rules) and procedures established by the AER. SA Power Networks is also permitted to reassign a customer's tariff class, if appropriate. This assignment and reassignment of customers to tariff classes is required by the Rules to be subject to an effective system of assessment and review.

This document sets out:

- The factors to be considered in assessing how customer connections are assigned to Network tariffs and tariff classes in a consistent and appropriate manner;
- The information that will be provided to customers concerning their tariff class assignment and reassignment;
- The process by which a tariff class assignment or reassignment may be reviewed and
- Default fees associated with basic connection services and negotiated services.

This Tariff Manual is published on SA Power Networks website and will be made available to any customer or intending customer upon request.

While this document's primary purpose is to describe Network tariffs, negotiated services and the process for their assignment, it also is designed to ensure that the NMI allocation and metering requirements are consistent, as a number of interdependencies exist between these three core areas.

1.2 Rates and Fees Application

The distribution use of system (DUoS) tariffs and alternative control service (ACS) charges will apply from 1 July 2015, with the remaining (indicated price negotiated charges) apply from 15 July 2015.

1.3 Terms and Definitions

Note: Specific metering terminology is located in the metering section of the document.

Term	Definition
AEMO	Australian Energy Market Operator. Incorporates the functions of NEMMCO (National Electricity Market Management Company).
AER	Australian Energy Regulator.
Agreed Additional Demand	Is the amount that the Agreed Anytime Demand exceeds the Agreed Annual Demand. If the Agreed Anytime Demand is less than Agreed Annual Demand then the Agreed Additional Demand is zero.

Term	Definition
Agreed Annual Demand	Is the highest demand expected to be required in the period 12:00 to 21:00 on working days in November through March (Central Standard Summer Time). This may be determined by agreement or by recorded demand.
Agreed Anytime Demand	Is the highest demand expected to be required outside of the times that the Agreed Annual Demand applies. This may be determined by agreement or by recorded demand. This may be equal or higher than the Agreed Annual Demand but not less.
Alternative Control Services	These services are customer specific or customer requested services. These services may also have the potential for provision on a competitive basis rather than by a single distributor
Augmentation	Means works to enlarge the capability of the SA Power Networks distribution network to distribute electricity.
Authorised Capacity	Is the supply capacity that the customer is authorised to use. This is generally the demand capacity specified in SA Power Networks offer letter up to the first three years from connection. The capacity then becomes the agreed demand and could be less than what was agreed to in the offer letter. Where a customer requests a reduction in their Agreed Demands then subject to approval the reduced Agreed Demands also becomes the Authorised Capacity.
Basic Connection Service	Means a connection service related to a connection (or proposed connection) no greater than 63 Amps per phase low voltage between SA Power Networks distribution system and a customer’s premises (including a small embedded generator no more than 10kVA per phase and a total of 5kVA SWER connections). The provision of this connection service involves minimal or no augmentation of the distribution network.
Connection	Means a physical link between SA Power Networks distribution system and a customer’s premises to allow the flow of electricity.
Connection Point	The physical location of connection between a customer’s electrical installation and SA Power Networks distribution system assets.
Customer	Distribution Network User.
DLF	Distribution Loss Factor – measure of the percentage of energy lost through line losses on the distribution network between the transmission connection point and the customer connection point.
Entry Point	The physical point at which SA Power Networks distribution system (feeder) or the customer’s consumers mains cross the property boundary operated or owned by the customer and where the energy flow is from the outside to the inside of the property.

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Term	Definition
Excess kVAr charge	If a customer installation is not power factor compliant at times of the NMI monthly peak demand, then an annual charge is applied. The charge equates to the amount of kVAr's required to make the site compliant times a fixed charge.
Exit Point	The physical point at which SA Power Networks distribution system (feeder) crosses the customers property boundary operated or occupied by the customer and where the energy flow is from the inside to the outside of the property.
Expedited Connection	A basic connection service can be expedited by accepting both the Terms and Conditions of the MSO and the default price when the application is made.
Extension	This term applies to extending the distribution network into areas not previously supplied at that voltage. The extension is likely to be used by more customers than those initially being supplied. This includes building new HV mains above existing LV mains, new radial extensions of HV mains, LV mains and SWER lines and may include new transformers.
FRMP	Financially Responsible Market Participant ie the Retailer.
Indicative Price List	A set of default connection service charges that indicates the average price for the provision of each service. These charges do not apply if you choose a negotiated service.
kVA	kVA essentially represents demand. kVA includes both Active and Reactive power to give a better indication of the demand on an electrical supply system. (Apparent Power).
kW	Watts are the electrical unit of power, 1kW = 1,000 Watts – A measure of demand however this unit only includes the electrical properties that actually perform electrical work (Also known as Active or Real power).
kWh	The unit used for electrical energy consumed eg 1kW of load used for 1 hour equals 1kWh.
kVAr	The unit used for the measurement of reactive power.
LNSP	Local Network Service Provider – For customers directly connected to SA Power Networks distribution system the LNSP is SA Power Networks.
MDP	Metering Data Provider – the organisation responsible for collecting and 'publishing' meter readings or consumption data.
MLF	Marginal Loss Factor – a measure of the percentage of energy lost through line losses in the Transmission system compared to that lost in supplying the Reference Node.
Model Standing Offers (MSO)	Provides the Terms and Conditions of a basic connection service which have been approved by the AER.

Term	Definition
Monthly Off-peak Demand	This is the peak demand reached in the periods outside of the Monthly Shoulder Demand and the Monthly Peak Demand periods.
Monthly Peak Demand	This is the peak demand reached on a week day in the months of November, December, January, February and March in the peak demand period 4pm to 9pm. This demand is reset each month and public holidays are excluded.
Monthly Shoulder Demand	This is the peak demand reached on a week day each month in the shoulder demand period 12 mid day to 4pm. This demand is reset each month.
MPB	Meter Provider – the organisation responsible for providing and/or maintaining the metering installation under the NER.
Negotiated Services	All services that are not a basic connection service.
Negotiated Connection Services	Are all services that relate to a connection (or a proposed connection) between SA Power Networks distribution system and the customers premises but are not basic connection services.
Negotiated Distribution Services	Are all services that are not related to a connection (or a proposed connection) between SA Power Networks distribution system and the customer’s premises.
NER	National Electricity Rules – formerly called NEC.
NMI	National Metering Identifier. A unique number for a customer’s metered connection point or points. A customer may have more than one metered connection point; therefore a customer could have more than one NMI. A NMI is 10 characters long with an additional check digit eg SAAAAAXXXX / X or 200XXXXXXXX / X
Off-peak Energy	Energy consumed that is other than peak energy.
Peak Energy	Energy consumed on business days between the hours of 0700 and 2100 (Central Standard Time). For customers with metering that does not recognise specific days, peak energy is energy consumed on each day between the hours of 0700 and 2100 (Central Standard Time).
PF	Power Factor is essentially a type of efficiency measure and is the ratio of Active and Apparent power. ie $PF = kW/kVA$.
PV	Photovoltaic.
PV JSO	This is a charge to recover the SA Government solar feed in subsidy provided to customers that qualify for the solar feed in tariff.

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Term	Definition
Real Estate Development	<p>Means the commercial development of land including its development in one or more of the following ways:</p> <ul style="list-style-type: none"> • Residential, industrial or commercial subdivision; • The construction of multi tenanted commercial or industrial premises (or both); • The construction of multiple new residential premises ie multi tenanted apartment building.
RP	Responsible Person – the organisation responsible for managing a metering installation under the NER.
Standard Control Services	Those distribution services that are central to electricity supply and include network augmentations and, in limited circumstances, network extensions. These services encompass construction, maintenance and repair of the network for existing and new customers.
Sub-Transmission	Is the SA Power Networks 33kV backbone and 66kV network.
Sub-Transmission Tariff	To be eligible for a Sub-Transmission Tariff the customer must take direct supply from the SA Power Networks Sub-Transmission network.
SWER	Single Wire Earth Return.
Termination Point	The physical point at which SA Power Networks distribution system (feeder) terminates within the customers property boundary.
URD	Underground Residential Development.
Zone Substation	A Zone Substation is an SA Power Networks premise in which HV supply is converted, controlled or transferred.
Zone Substation Tariff	To be eligible for a Zone Substation Tariff the customer must take direct supply from an SA Power Networks Zone Substation. The supply is taken from the secondary side of the transformer located at the substation.

1.4 Referenced Documents, Codes and Regulations

The following documents have been referenced in this Network Tariff & Negotiated Services manual:

- The South Australian Electricity Distribution Code ¹
- South Australian Electricity Metering Code ²
- National Electricity Rules ³
- AER Final Determination for South Australia ⁴
- SA Power Networks Pricing Proposal ⁵

2. REQUIREMENTS OF THE NATIONAL ELECTRICITY RULES AND THE AER'S 2015 DISTRIBUTION PRELIMINARY DETERMINATION

SA Power Networks June 2015 Revised Pricing Proposal was prepared in accordance with Clause 6.18.2 of the Rules. That Pricing Proposal defined the five tariff classes into which the customers of its direct control services were separated.

Pursuant to the principles set out in clause 6.18.4 of the Rules, the AER agreed to assign all existing SA Power Networks customers to these five tariff classes in 2015-20.

Appendix B of the AERs Final Decision set out the procedures which SA Power Networks must follow in assigning customers to tariff classes or reassigning customers from one tariff class to another during the 2015-20 regulatory control period. The procedures also cover the following matters pertaining to tariff class assignment and reassignment:

- Assignment of new customers to a tariff class
- Reassignment of existing customers to another existing or a new tariff class
- Objections to proposed assignments and reassignments

3. TARIFF CLASS ASSIGNMENT PROCEDURES

This section sets out the tariff and tariff class assignment procedures to be followed by SA Power Networks 2015-16.

3.1 Tariffs and Tariff Classes

SA Power Networks' regulated services are classified in accordance with the Rules as direct control services and include its network services and some metering services. These services have been further divided into:

- Standard control services (network services)
- Alternative control services (certain specified metering services)

Each of these classifications of service is subject to separate regulatory determinations by the AER.

SA Power Networks' 25 standard control services tariffs have been grouped into five tariff classes. This grouping is illustrated below.

1 Available at: <http://www.aer.gov.au/node/11641>

2 Available at: <http://www.escosa.sa.gov.au/library/101221-ElectricityMeteringCode EMTC07.pdf>

3 National Electricity Rules Version 49, 5 April 2012.

4 Australian Energy Regulator, Final decision – South Australia distribution determination 2010-11 to 2014-15, May 2010.

5 SA Power Networks Pricing Proposal, April 2012.

Type 1-4 meter Monthly billing	Type 5,6 meter		Type 7 (unmetered) Monthly billing
	Monthly billing	Quarterly billing	
Major business (11, 33, 66 kV) kVA demand (locational TUoS) kVA demand (loc'l TUoS) >10MW kVA demand Zone ZVS			
High voltage business (11 kV) kVA demand VHVS kVA demand VHLVS (<1000kVA) 2 rate B2R124HV			
Low voltage business kVA demand VLVS 2 rate B2R124	2 rate MB2R	2 rate QB2R	LVUU LVUU24 OUU
Low voltage residential MRSRI With cont. load MRSRCLI	MRSR With cont. load MRSROPCL	QRSR With cont. load QRSROPCL	

SA Power Networks standard control services tariff classes

3.2 Assignment of new customers to a tariff class

Upon receipt of an Application for Connection/Alteration and Removal of Supply ([Form A](#)) for the provision of a new or altered network connection⁶, the SA Power Networks Project Officer responsible for managing the Application for Connection will determine the tariff and tariff class to be applied to the new or upgraded customer connection.

The tariff and tariff class to be assigned, or reassigned, to a customer will be chosen by the Project Officer in accordance with the requirements set out in Sections 4 and 5 of this *Network Tariff & Negotiated Services* manual. This tariff and tariff class assignment takes into account one or more of the following factors⁷:

- Customers with similar connection and usage profiles are treated equally; and
- Customers that have micro-generation facilities are not treated less favourably than customers with similar load profiles without such facilities.

Customer notification of tariff class assignment

The Project Officer is responsible for notifying the retailer, customer or intending customer who lodged the Application to Connect, of the proposed network tariff and tariff class assignment. These details are to be provided together with SA Power Networks connection offer to the customer.

The connection offer will include the additional information set out in Section 3.4.

⁶ Form A is available at: www.sapowernetworks.com.au/centric/contractors_and_designers/contractor_forms_and_guides.jsp

⁷ In the event that a future regulatory obligation requires remotely-read interval metering or other similar metering technology to be installed at the customer's premises, this procedure may be modified.

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

SA Power Networks Major Customer Manager is required to carry out a bi-annual review of the consumption of customer. This review is intended to identify whether:

- An existing customer's load or connection characteristics have changed, such that it is no longer appropriate for that customer to be assigned to the current tariff class; or
- A customer no longer has the same or materially similar load or connection characteristics as other customers on the customer's existing tariff class.

In the event that this review identifies customers whose tariff class is no longer appropriate, then SA Power Networks Major Customer Manager may propose to reassign that customer to another tariff class.

Customer notification of tariff class reassignment

The Major Customer Manager is responsible for using best endeavours in notifying any customers in writing of the proposed reassignment of their network tariff. If the identity of the customer is not known, then the customer's retailer is to be notified instead.

The tariff reassignment advice will include the additional information set out in Section 3.4.

One months notice is to be provided to the customer or retailer of a proposed tariff class reassignment.

3.4 Objections to proposed tariff class assignments and reassignments

Information provided to customers concerning tariff class assignment and reassignment

Where SA Power Networks notifies customers of a tariff class assignment or reassignment in Sections 3.1 and 3.2 above, such notification will include reference to the web address from which this *Network Tariff & Negotiated Services* Manual may be obtained and also include the following advice that:

- The customer may request further information from SA Power Networks Regulatory Manager;
- The customer may object in writing to SA Power Networks Regulatory Manager concerning the proposed tariff or tariff class assignment;
- In the event that the customer is not satisfied with SA Power Networks internal resolution of such an objection, the customer may be entitled to appeal to the Energy Industry Ombudsman (South Australia). Typically small customers (<160 MWh) have access to the Ombudsman; and
- In the event that an objection is not resolved to the satisfaction of the customer under SA Power Networks internal review system, then the customer is entitled to seek resolution via the dispute resolution process available under Part 10 of the NEL.

Upon receipt of a request for further information concerning a tariff class assignment or reassignment, SA Power Networks' Regulatory Manager is to arrange the provision of relevant information to the customer concerning the tariff class assignment or reassignment, provided that such information is not confidential.

Internal review process of tariff class assignment and reassignment

Upon receipt of an objection by a customer to a tariff class assignment or reassignment, SA Power Networks Regulatory Manager will reconsider the relevant tariff class assignment or reassignment, having regard to the following:

- The basis of the customer’s objection;
- The principles for tariff assignment and reassignment set out in clauses 6.18.3 and 6.18.4 of the Rules;
- The procedures for tariff assignment and reassignment set out in Appendix B, of the AER’s Determination; and
- The process and guidelines for tariff assignment and reassignment set out in Sections 3 and 4 of this *Network Tariff & Negotiated Services Manual*.

The SA Power Networks Regulatory Manager will notify the customer of the outcome of SA Power Networks internal review and the reasons for accepting or rejecting the customer’s objection to the tariff class assignment or reassignment. The notification by the Regulatory Manager will also advise that:

- In the event that the customer is not satisfied with SA Power Networks’ internal resolution of such an objection, the customer may be entitled to appeal to the Energy Industry Ombudsman (South Australia); and
- In the event that an objection is not resolved to the satisfaction of the customer under the SA Power Networks internal review system, then the customer is entitled to seek resolution via the dispute resolution process available under Part 10 of the NEL.

External review of tariff class assignment and reassignment

If a customer’s objection to a tariff class assignment or reassignment is upheld by a relevant external dispute resolution body, then any adjustment which needs to be made to prices will be done by SA Power Networks as part of the next annual review of prices.

4. TARIFFS

4.1 General

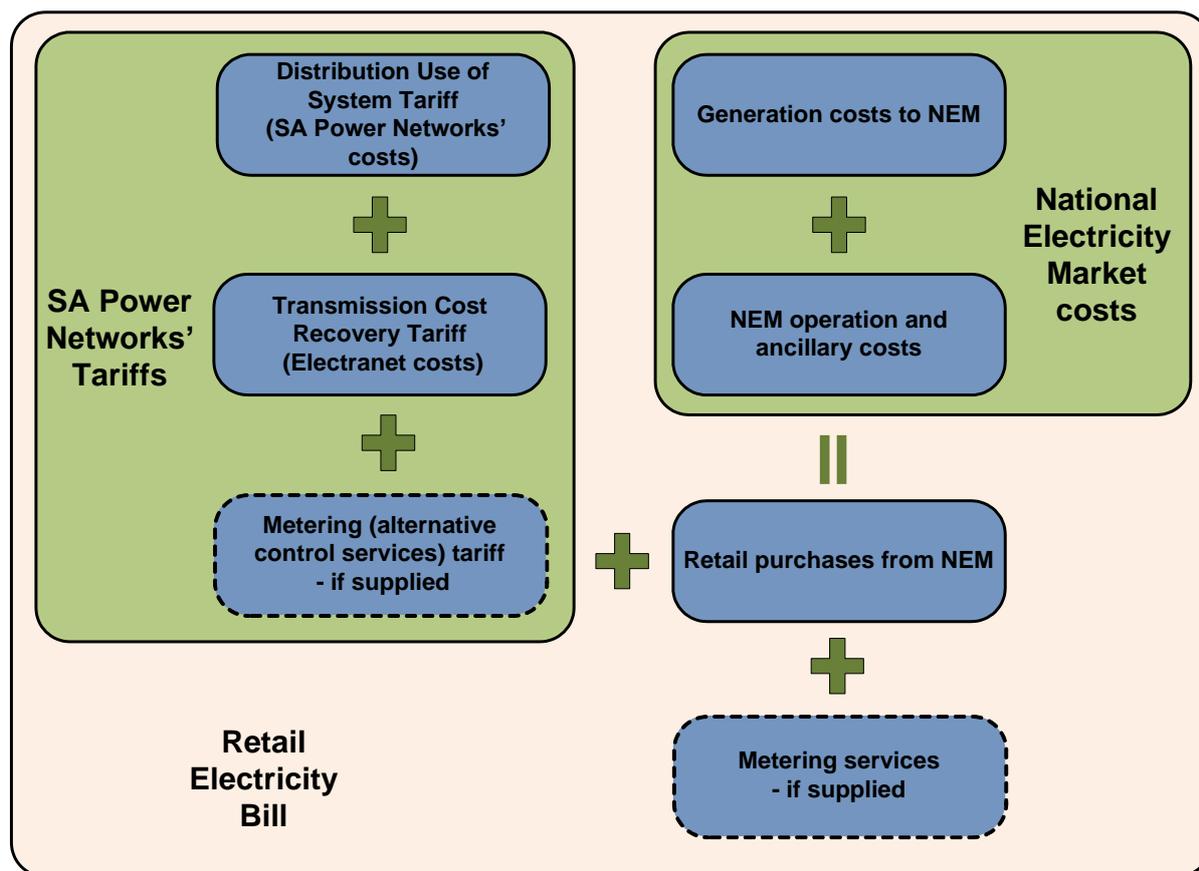
A customer’s retail electricity bill will generally comprise the following components, although particularly for smaller customers, these components may not be separately itemised:

- Retail charges;
- NEM charges;
- Network charges; and
- Metering charges.

Retail charges cover the cost of a retailer buying energy from the national pool or directly from a generator and selling it to the customer. The retail charge is the component that a customer negotiates a pricing plan for when entering into a market contract.

The components of a customer’s retail electricity bill are shown in the following illustration. With regard to metering services, certain components of the metering service may be provided by SA Power Networks, may be supplied by the retailer or may be procured directly by the customer.

Components of a retail electricity bill



Network Tariffs are set in accordance with the requirements of:

- The Electricity Act;
- The NER; and
- The AER's Determination.

SA Power Networks is required to assign a network tariff and tariff class to each customer using the procedure set out in Attachments 14 of the AER's determination. In practical terms, the following factors determine the nature and extent of the customer's usage and the nature of the customer's network connection:

- Type of use (ie residential or business);
- The connection point characteristics (eg low or high voltage); and
- The maximum electrical demand.

Network tariffs include components for:

- Distribution (DUoS – Distribution Use of System);
- Transmission (TUoS – Transmission Use of System);
- PV FiT (photo-voltaic feed-in tariff recovery); and may also include
- Metering Services.

In some cases a network tariff is required to be assigned and in other cases the customer or retailer can elect a tariff subject to meeting eligibility criteria.

4.2 Categories

Tariffs are to be assigned subject to the requirements specified in the 'Notes accompanying the Distribution Tariffs' as issued from time to time. Customers must advise SA Power Networks of their particular circumstances in order for the correct tariff(s) to be assigned (Distribution Code). For situations not specifically covered, the following general principles apply.

4.2.1 Residential Use

Residential use is electricity consumed by a Customer at a domestic dwelling and who lives in that dwelling. This may include consumption from an office located within the home so long as there is no more than one employee normally working within the dwelling. Note: For the purposes of this definition hired domestic help or carers are not to be considered employees.

Residential use can also include:

- Electricity used in outbuildings etc located on the same property as the Customers dwelling and where the primary use of the outbuilding is domestic;
- Short term accommodation provided due to the nature and location of the property eg shearing quarters (accommodation provided as term of employment); and
- Electricity used in the pumping of water for domestic use (or effluent) for a single premises of the same Customer and on the same property (or multiple premises where eligible for residential tariff – as above.

Residential use does not include:

- Boarding houses, nursing homes or accommodation of motel or bed and breakfast type ie short term accommodation or where a fee is charged for the use of facilities;
- A clearly public office or shop attached to a dwelling;
- Temporary supplies; and
- One metered connection for three or more independent (or semi independent) dwelling(s).

4.2.2 Business Use

Business use is electricity used for any purpose other than residential. This includes industrial, commercial, accommodation, hospitality and agricultural uses.

4.2.3 Combined Business/Residential Use

The customer is responsible for ensuring that facilities are provided for metering the use of electricity for each purpose. Where such facilities are impractical or not provided the distribution tariff can be assigned on the basis of majority use.

Where it is known that a connection to a dwelling is subject to dual business/residential usage (and separate metering can not be installed) then, in the absence of any detailed information, the category should be determined by the majority floor space usage of the building for which the electricity supply is provided for.

4.2.4 Controlled Load

Controlled load tariff is permitted to be used in conjunction with another tariff for specific thermal storage applications. Controlled Load tariff is available for new or existing supplies in conjunction with Residential Single Rate tariff only. Where an existing supply has some other tariff in conjunction with Controlled Load then the combination may remain as is however, if the customer seeks to change tariff (eg from BSROPLC to VLVS) then they can no longer retain the OPCL component.

OPCL tariff is available for approved applications via a time switch controlled by SA Power Networks. The timing of night time availability is set in accordance with SA Power Networks requirements. A residential customer may request additional time between 1000 and 1500 CST for use of OPCL by application. There is a fee for the amendment of the time clock to enable the use of OPCL at these additional times. Existing OPCL installations with afternoon boost are maintained with no change to their timing.

Where dual element system has switched OPCL supply for the bottom element and continuous OPCL supply for the top element then that arrangement can be retained as is. For new or additional OPCL installations continuous supply on OPCL tariff is no longer available only switched supply, with access during 1000-1500 CST now available.

Approved applications of OPCL are permanently installed storage water heaters with a capacity of 125 litres or more, underfloor (slab heating), swimming pool or spa heating. For swimming pool or spa applications only the heating element is permitted to be connected to OPCL, pumps and auxiliaries are to be on the accompanying tariff.

4.3 Network Tariffs

The network tariff is independent of any retail pricing plan, contract or tariff. There are only a few core tariffs in each group with minor variants.

The variants allow for:

- Optional metering needs (eg type 1-5);
- Monthly/quarterly readings; and
- Combination with controlled load tariff.

The current tariffs and eligibility criteria are listed on the SA Power Networks internet and intranet sites: Please go to Section 11 for 2015/16 Network Tariffs.

4.3.1 Residential Tariffs

Tariff Name	Tariff Description	Tariff Code
Low Voltage Residential - Single Rate	Low Voltage Residential - Single Rate - Quarterly	QRSR
	Low Voltage Residential - Single Rate Quarterly with Controlled Load	QRSROPCL
	Low Voltage Residential - Single Rate - Monthly	MRSR
	Low Voltage Residential - Single Rate – Monthly- with Controlled Load	MRSROPCL
	Low Voltage Residential – Monthly Demand	MRMD
	Low Voltage Residential – Monthly Demand with Controlled Load	MRMDOPCL
OPCL	Controlled Load - Tariff Component	Included above

Note: A retailer may offer a residential customer a two rate contract which will require a two rate meter to be installed however, the network tariff will remain as RSR.

Note: In 2014/2015, SA Power Networks introduced a monthly demand tariff (tariff codes MRMD and MRMDOPCL). This tariff is available to low voltage residential customers only (on an optional basis), and requires a type 1-4 or type 5 monthly read meter.

4.3.2 Business Tariffs – Energy Only

These tariffs are generally for single phase business customers. They are not available to new customers or customers having alterations to their installation with a multi phase service. Existing small market customers (less than 160kWhs per annum) connected before 1 July 2015 can remain on their existing tariff. Existing customers that breach the 250kVA threshold will no longer be eligible for these tariffs.

Not available to residential customers.

Business single rate tariffs have become obsolete tariffs only available to existing customers who remain on that tariff.

Business two rate tariffs have become obsolete tariffs for large customers > 160 MWh pa. It is, only available to existing small market customers who remain on that tariff and have a demand <250 kVA.

Tariff Name	Tariff Description	Tariff Codes
Obsolete tariff only available to existing customers connected before 1 July 2015 Low Voltage Business Single Rate	Low Voltage - Business - Single Rate - Quarterly	QBSR
	Low Voltage - Business - Single Rate – Quarterly with Controlled Load	QBSROPCL
	Low Voltage - Business - Single Rate - Monthly	MBSR
	Low Voltage - Business - Single Rate – Monthly with Controlled Load	MBSROPCL
Obsolete tariff only available to existing customers connected before 1 July 2015 Low Voltage Business - 2 Rate	Low Voltage Business - 2 Rate - Quarterly	QB2R
	Low Voltage Business - 2 Rate – Quarterly with Controlled Load	QB2ROPCL
	Low Voltage Business - 2 Rate - Monthly	MB2R
	Low Voltage Business - 2 Rate – Monthly with Controlled Load	MB2ROPCL
Controlled Load - Tariff Component	Included above (subject to qualification)	OPCL

4.3.3 Business Tariffs – Demand

These tariffs are for business customers with a multi phase service. Small Market Customers on business two rate tariffs connected at 30 June 2015 with a demand less than 250kVA will also be able to remain on the business two rate tariff provided that the customer does not alter their electrical installation or seek a tariff change (eg service upgrade, Solar and/or Battery Storage installed requiring an inverter/embedded generation or a shift meter position).

These tariffs all require a Type 1-3 meter, or a Type 4 or Type 5 meter with kVAr functionality.

Actual Demand Tariff:

This is a new tariff which incorporates three demand periods;

- **Peak Demand Period**
This is the peak demand reached on a work day in the months of November, December, January, February and March in the peak demand period 4pm to 9pm. This demand is reset each month following the meter read. Public holidays are excluded from work days.
- **Shoulder Demand Period**
This is the demand reached on a work day each month through the year in the shoulder demand period 12 mid day to 4pm. This demand is reset each month after the meter is read.
- **Off Peak Demand Period**

This is the peak demand reached in the periods outside of the monthly shoulder demand and the monthly peak demand periods. The 2015/16 tariffs have no charge for this period. A customer must remain on this tariff for a minimum of twelve months. It is not permitted to change between the agreed tariff and the Actual (monthly) Demand tariff during a 12 month period.

Agreed Demand Tariff:

Larger customer with better load factors and/or larger loads may choose an annual agreed demand tariff.

The setting of the agreed demand is a very important part of the tariff as this then becomes a contractual agreement with the customer for the capacity in kVA that is available to the NMI. The customer can negotiate changes to this agreed demand or capacity and there are processes for these requests. For sites that are still within the three year revenue rebate period, a demand reduction request will also require a negotiated change to the connection contract and this may result in a one-off charge. SA Power Networks Network Customer Manager or a Customer Solutions Manager need to be part of these negotiations.

If a customer requests a reduction in demand then they need to apply in writing and if their demand increases within 12 months of the change, then SA Power Networks will back date the increased demand network charges to the date of the reduction. If the customer increases demand beyond 12 month from the requested reduction in demand then normal processes will be followed and all charges and rebates will be applied.

If the customer wishes to increase their agreed demand or they breach their existing agreed demand, the customer manager will consult with Customer Solutions who will provide an offer letter with all applicable charges for the customer.

Tariff Name	Tariff Description	Tariff Code
Low Voltage Actual Demand Tariff	Low Voltage Actual Demand kVA	VLVA
	Low Voltage Actual Demand kVA Transtion	VLVAT
Low Voltage Agreed Demand kVA	Low Voltage Agreed Demand KVA	VLVS
	Low Voltage Agreed Demand kVA Back-Up	VLVSB
	Low Voltage Agreed Demand Sportsground Lighting kVA	VLVSS
High Voltage - Agreed Demand kVA	High Voltage - Agreed Demand KVA < 400KVA	VHLVS
	High Voltage Actual Demand kVA	VHLVA
	High Voltage - Stepped Demand KVA	VHVS
Zone Sub-station (kVA)	Zone Sub-station (KVA) (load<10MW and consumption <40GWh pa)	VZS
	Zone Sub-station (KVA) with locational transmission charges (the NMI numbers are shown on these tariffs)	VZSN
Sub Transmission (kVA)	Sub Transmission (KVA) with locational transmission charges (the NMI numbers are shown on these tariffs)	VSTN

Note:

There are a few variants used in the billing process to allow for some legacy situations without adversely affecting the customer.

- This Low Voltage Demand Sportsground Lighting kVA tariff is only for community sporting clubs with a large lighting load with a demand greater than 100 amps and less than 1,000kVA.
- For connections with very large usage where individual transmission charges apply 'XXX' is replaced with the last three digits of the specific NMI.
- An Actual Demand kVA Transition tariff has been used to manage those large business customers previously using energy tariffs that would otherwise be worse off under actual demand. SA Power networks will reassign these customers to this tariff – it is not an optional tariff, although customers can opt-out and select an actual demand or agreed demand tariff if they wish. The tariff will become increasingly cost-reflective each year, with full cost-reflectivity by July 2020. Customers have a period of transition to either adjust their electrical needs or adapt to a higher cost of electricity.
- Where SA Power Networks require a minimum of a type 5 meter for a demand based tariff, customers are free to choose another metering provider and have a type 1 to 4 meter.

Actual Demand Tariff

This tariff has three demand periods Summer peak November to end March
Shoulder demand on work days all year and the Off peak demand period at all other times.

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1:00							
2:00							
3:00							
4:00	Off Peak Demand Period						
5:00							
6:00							
7:00							
8:00							
9:00							
10:00							
11:00							
12:00	Shoulder Demand Period						
13:00							
14:00							
15:00							
16:00	Peak Demand Period (Nov - March)						
17:00							
18:00							
19:00							
20:00							
21:00							
22:00							
23:00							
0:00							

Except on Public Holidays where there is no Shoulder and Peak demand periods

Summer peak Demand Period 4pm to 9 pm on work days between November to end of March

Shoulder Demand Period 12 mid day to 4 pm on work days 12 months of the year

Off peak Demand Period is anytime outside of the Peak and Shoulder demand period for 12 months.

Sports Ground Demand Tariff

Annual Demand Period 12 mid day to 7 pm on work days between December to end of February

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1:00							
2:00							
3:00							
4:00	Anytime Demand Period						
5:00							
6:00							
7:00							
8:00							
9:00							
10:00							
11:00							
12:00	Annual Demand Period						
13:00							
14:00							
15:00							
16:00							
17:00							
18:00							
19:00							
20:00							
21:00							
22:00							
23:00							
0:00							

Except on Public Holidays

Agreed Is the amount that the Agreed Anytime Demand exceeds the Agreed Annual Demand.
Additional Demand If the Agreed Anytime Demand is less than Agreed Annual Demand then the Agreed Additional Demand is zero.

Agreed Is the highest demand expected to be required in the period 12:00 to 19:00
Annual Demand on working days in December through March . (Central Standard Summer Time).
Demand This may be determined by agreement or by recorded demand

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Annual Demand Tariff

Annual Demand Period 12 mid day to 9 pm on work days between November to end of March

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1:00							
2:00							
3:00							
4:00	Anytime Demand Period						
5:00							
6:00							
7:00							
8:00							
9:00							
10:00							
11:00							
12:00	Annual Demand Period						
13:00							
14:00							
15:00							
16:00							
17:00							
18:00							
19:00							
20:00							
21:00							
22:00							
23:00							
0:00							

Except on Public Holidays

Agreed Is the amount that the Agreed Anytime Demand exceeds the Agreed Annual Demand.
Additional Demand If the Agreed Anytime Demand is less than Agreed Annual Demand then the Agreed Additional Demand is zero.

Agreed Annual Demand Is the highest demand expected to be required in the period 12:00 to 21:00 on working days in November through March . (Central Standard Summer Time).
 This may be determined by agreement or by recorded demand

Residential Demand Tariff

Summer Demand Period applies in November - March
 Winter Peak Demand period applies in April - October

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1:00							
2:00							
3:00							
4:00	Anytime Demand Period						
5:00							
6:00							
7:00							
8:00							
9:00							
10:00							
11:00							
12:00							
13:00							
14:00							
15:00							
16:00	Annual Demand Period						
17:00							
18:00							
19:00							
20:00							
21:00							
22:00							
23:00							
0:00							

Uncontrolled Document when printed. Refer to internet for latest version.

4.3.4 Solar Generation Tariffs

SA Power Networks is obliged by the provisions of the Electricity (Feed-in Scheme – Solar Systems) Amendment Act to provide a credit in accordance with the Electricity Act requirements for each kWh for power fed back into the grid generated by a qualifying Small Embedded Generator, (conditions apply, refer to the SA Government Energy website for more details). The system shall only measure export when the PV system output exceeds the instantaneous load requirements of the customers' load at the installation (Net metering).

General Requirements

- Customer needs to qualify for small market status (less than 160MWh per annum).
- Customer using an 'approved' inverter supplied via a solar panel array.
- Have an approved import / export meter.
- No other generation connected to the export meter.

Note:

- This includes both residential and business customers.
- Business customers that request an alteration via their electricity retailer (eg to install embedded generation) on an energy only business tariff with a multi phase supply will be shifted to a demand tariff as this is the applicable tariff for a customer with this capacity.

Tariff Name	Tariff Description	Tariff Code
Solar Co - Gen	Solar Co Generation	GENR GENR2028 GENR2028S GENR2016
	Solar Co Generation - interval	GENRi GENR2028i GENR2028Si GENR2016i
Zero Rate Solar Co Gen	Zero Rate Solar Co Gen	ZGENR
	Zero Rate Solar Co Gen - interval	ZGENRi

Government Feed-in Tariff as per Electricity Act

Tariff Name	Tariff Rebate Description
GENR2028	The original Scheme which closed to new applicants in August 2010. The Scheme requires payments to qualifying generators of 44 cents per kWh for all export until 20 June 2028.
GENR2028S	The Scheme announced by the Government in August 2012, for all subsequent qualifying applications and installations till September 2011. The Scheme requires payments to qualifying generators of 44 cents per kWh for all export until 30 June 2028, up to a daily export of 45kWh.
GENR2016	The Scheme introduced by the Government during 2011 for all subsequent qualifying applications and installations from October 2011. The Scheme requires payments to qualifying generators of 16 cents per kWh for all export until 30 June 2016, up to a daily export of 45kWh.

4.3.5 Un-metered

The default supply is metered. Only where a load is too small (<5 amps) to register on a meter or where metering is deemed to be impractical by SA Power Networks, may a customer apply to have the load connected as un-metered. SA Power Networks is not under any obligation to accept an un-metered load until its suitability is established. In considering the suitability of a load for un-metered tariff SA Power Networks must be satisfied that the electrical usage can be accurately estimated and that the load will not vary.

General requirements

- Load to be located in a accessible public area (to permit inspection and validation);
- Load limiting circuit breaker with provision for SA Power Networks seal must be provided and the circuit breaker is to be set at the load level being requested eg 0.5 amps;
- Loads must be hard wired. Socket outlets are not permitted (unless specifically authorised by the responsible SA Power Networks manager for that specific application);
- The connected equipment must not be changed or altered without prior written notice to, and acceptance from SA Power Networks (other than repair or replace like for like ie same electrical ratings);
- The characteristics, timing or programming of the load must not be altered without prior written notice to and acceptance by SA Power Networks; and
- Equipment specifications, inventory tables and test results must be provided prior to a load being considered for connection.

There are many variants used in the billing process which primarily identify the type of un-metered load and the electrical rating. Irrespective of the billing tariff used the network (energy delivery) component is based on one of the two tariffs below. The billing tariff may include additional consideration for excluded services such as lamp replacement (CLER lighting).

Generic Tariff	Tariff Name
LVUU	Low Voltage Un-Metered Usage (Overnight Usage)
LVUU _i	Low Voltage Un-Metered Usage (Overnight Usage) - interval
LVUU24	Low Voltage Un-Metered Usage (24 Hour Usage)
LVUU24 _i	Low Voltage Un-Metered Usage (24 Hour Usage) - interval

Type 7 Loads

Unmetered loads are described as having ‘Type 7’ metering in the Rules and their consumption is estimated for the purposes of market settlements.

Approved Type 7 loads are contestable in the NEM ie choice of retailer. Type 7 load tables are published on AEMO’s website at <http://www.aemo.com.au/electricityops/640-0138.html>. The current approved Type 7 loads include loads of the following types:

- **Street lighting** – Where SA Power Networks owns and maintains the light fittings. The lighting is installed by SA Power Networks on SA Power Networks poles for illumination of public roads. This category also includes lighting standards installed to SA Power Networks specifications in URDs;
- **CLER** (Customer Lantern Equipment Rate) – Lighting for public areas where the customer (Council) own the luminaire and SA Power Networks has the responsibility for changing globes only;
- **Energy only** – Where the Council / Customer own the fitting and are responsible for all maintenance;
- **Traffic signals**; and
- **Traffic signalling equipment** – of a type specified in the approved Type 7 load tables.

The approval of a Type 7 load is dependent on the assessment of the load characteristics as well as the processes used to maintain an inventory of the loads. Consequently, only loads of types in the published load tables and belonging to approved deemed parties. The TUoS and DUoS charges are levied in accordance with the published network tariffs however, street lighting and CLER both require an additional component for provision of excluded services (eg lamp replacement with CLER) – the pricing for these services is termed negotiated and is described in Section 9 of this manual.

Other Un-Metered Loads

Other un-metered loads are not Type 7. These other loads include:

- Night sight lighting;
- Phone booths;
- Telecommunication CMUX; and
- Bus shelters.

These can only be with the Tier 1 retailer (AGL in SA). These loads all require individual consideration by the responsible SA Power Networks manager. There are many system codes used in CIS-OV as ‘tariffs’ – these are not separate tariffs as such rather just the above tariffs calculated as a fixed charge based on a load type. For the current list of system codes for un-metered loads refer to Revenue Management Group.

These un-metered loads may become contestable (as Type 7) at the request of the customer. This will require the development of load tables to meet the requirements of a type 7.

5. METERING

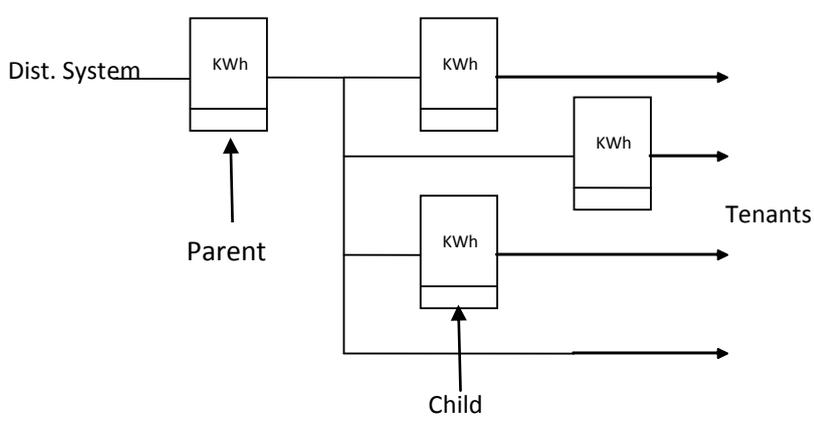
5.1 Market Types

Type	Description	Min Data Type As per NER	Provision
Type 1	Remotely read interval meter	Interval kWh & kVArh	Contestable
Type 2	Remotely read interval meter	Interval kWh & kVArh	Contestable
Type 3	Remotely read interval meter	Interval kWh & kVArh	Contestable
Type 4	Remotely read interval meter	Interval kWh	Contestable
Type 5R	Remotely read interval meter	Interval kWh	SA Power Networks Only
Type 5M	Manually read interval meter	Interval kWh	SA Power Networks Only
Type 6	Manually read basic meter	Basic kWh	SA Power Networks Only
Type 7	Virtual interval meter	Calculated Interval kWh	N/A
UMS*	Virtual basic meter	Calculated Basic kWh	N/A

* not actually a NEM meter type but listed to illustrate difference to type 7

ie Type 1 is the highest class and Type 6 is the lowest class of meter

5.2 Terminology

Term	Description
Advanced	Electronic metering where additional functionality is provided. This may provide a user interface with additional information regarding daily use, peak usage, graphs, CO2 etc
Basic	A meter which records the usage as a cumulative total (like an odometer). May be single or two rate, may be rotating disc or electronic
Bulk Meter	Sometimes used to refer to as a parent meter in other cases the term is used in respect of a high voltage metering installation.
Child Meter	Where the meter is downstream of a parent meter. ie where electricity is resold eg larger shopping centres, caravan parks etc 
Combination Meter	A single meter which can separately meter several tariffs. Eg an EMS meter which is used for residential tariff and controlled load tariff.

Term	Description
CT Meter	Current Transformer (CT) connected metering is where the load current is too large to be practically passed through a whole current meter (ie where the load is greater than 100Amps). The load current is passed through Current transformers and the output current from the transformers is metered. The metered current is substantially smaller than the load current and its relationship is determined by the transformer ratio which is used to determine the K factor or multiplier.
Direct	A parent meter. Note: some may use the term to refer to whole current meters.
Electronic Meter	A meter where the current flow is measured by means of an electronic device with the reading or consumption data stored in electronic memory. May be Basic or Interval.
Import / Export	A meter which will record imported and exported energy in separate registers. As required for grid connected generators where a retailer buys the surplus energy generated by the customer.
Interval	A meter which records the usage in half hour intervals. This enables demand measurement and load profiles. Note – some meters use 15 minute intervals.
Master Meter	Refer parent meter.
Multi Phase	Where the meter can record the usage for the load on two or three active conductors.
Parent Meter	Where the meter is the first meter downstream from the distribution network.
PV metering	Is Import/ export metering.
Register	A set of dials, a counter or electronic memory used to store consumption data.
Rotating Disc Meter	A meter where the load current runs through a coil. This generates a magnetic field which drives a rotating disc at a speed proportional to the current flow. The disk drives a set of dials which records the total electricity used. These are Basic meters.
Single Phase	Where the meter records the usage for the load on one active conductor.
Single Rate Meter	A single register basic meter.
Smart	Not a defined term in the NEM. Market participants tend to use the term for Type 1-4 metering while media and residential customers generally use the term to refer to advanced metering.
Sub Meter	A Child meter.
Three Phase	Where the meter can record the usage for load on three active conductors.
Two Rate	A two register basic meter where the usage is recorded on a peak register at peak tariff times and the off-peak register during off- peak tariff times.
Whole Current	A meter where the entire load current runs though the meter.

5.3 Regulated / Excluded / Contestable Meter Provision

Types of metering

The different specifications of metering that are established in the NEM are provided as follows:

- **Type 1-4 metering** is a contestable service
- **Type 5 metering** can only be provided by SA Power Networks. It will be an Alternative Control Service from 1 July 2015.
- **Type 6 metering** can only be provided by SA Power Networks as a regulated (alternative control) service.

Indicative charges for negotiated distribution services are contained in Section 9 of this manual.

Responsibilities

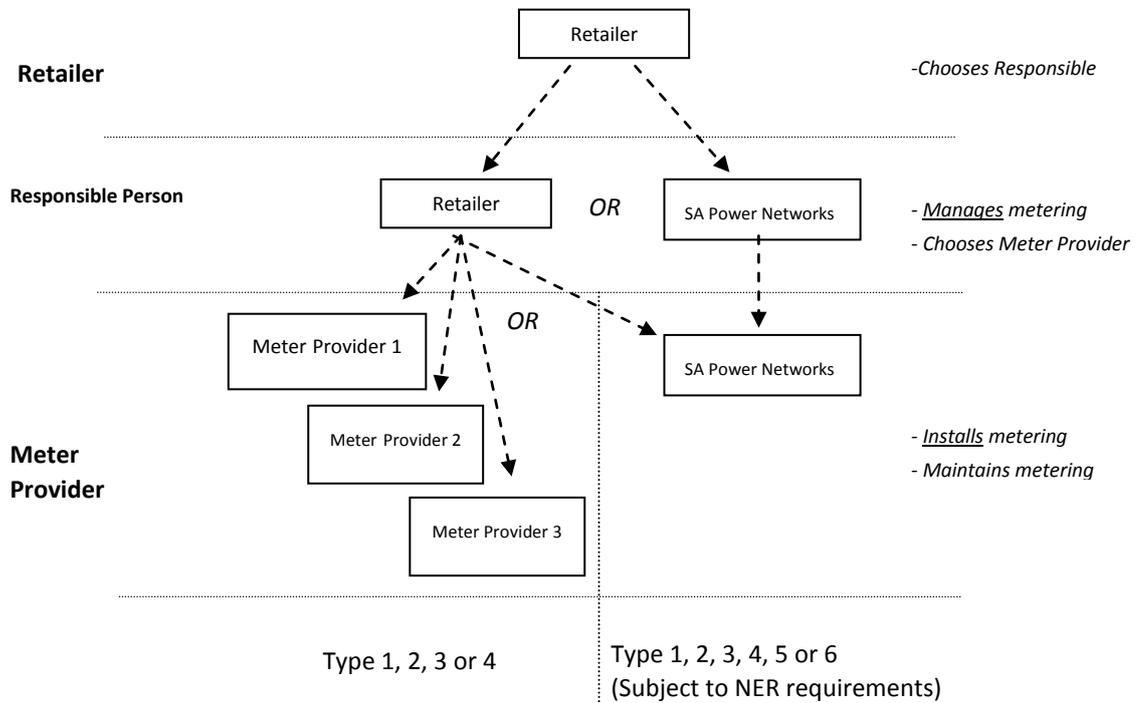
In the National Market the retailer can be responsible for the metering or request that the distributor be the ‘responsible person’.

The ‘responsible person’ (RP) commissions a registered meter provider to install the appropriate class of metering. The ‘responsible person’ is also charged with ensuring that metering installations are maintained to the standards required by the NER.

The Meter Provider is essentially an accredited metering contractor who undertakes the installation, maintenance and testing of the metering installation.

Refer to Section 3.7 for Child metering responsibilities.

Metering Responsibility / Choices



Note: Metering services group contract as installers (only) to some of the other meter providers.

5.4 NER Metering Requirements

The NER requires different accuracy classes for specified energy throughputs. The code also requires a Type 1-4 for all Tier 2 connections where the energy throughput is greater than 160MWh pa (160,000 kWh).

- An interval meter must not be replaced with a basic meter
- The correct metering is determined on a case by case basis for each NMI
- All metering at a NMI must be of the same type

Tier 1 (Retailer AGL)

Energy Use	Minimum Meter Type	Installed By	Type Description	Alternative Types
>= 100GWh pa	Type 2	Contestable	Remotely read interval meter	1, 2
750MWh to 100GWh pa	Type 3	Contestable	Remotely read interval meter	1, 2
160 to 750MWh pa	Type 5M	SA Power Networks	Manually read interval meter	1, 2, 3, 4, 5R
0 to 750MWh pa	Type 6	SA Power Networks	Manually read accumulation (basic)	1, 2, 3, 4, 5R, 5M

Tier 2 (Retailer NOT AGL)

Energy Use	Minimum Meter Type	Installed By	Type Description	Alternative Types
>= 100GWh pa	Type 2	Contestable	Remotely read interval meter	1, 2
750MWh to 100GWh pa	Type 3	Contestable	Remotely read interval meter	1, 2
160 to 750MWh pa	Type 4	Contestable	Remotely read interval meter	1, 2, 3
0 to 160MWh pa	Type 5M	SA Power Networks	Manually read interval meter	1, 2, 3, 4, 5R
0 to 160MWh pa	Type 6	SA Power Networks	Manually read accumulation (basic)	1, 2, 3, 4, 5R, 5M

5.5 Metering for Tariff Requirements

Basic meters need to have the right register configuration to capture usage data applicable to each tariff rate.

With interval meters the data is collected as a 'table' and processed into individual rate periods or demand values in the various billing systems.

Tariff	Min Meter requirement	Acceptable Alternative Type
RSR	Type 6 with Single Register	Types 1, 2, 3, 4, 5R, 5M
BSR (obsolete)	Type 6 with Single Register	Types 1, 2, 3, 4, 5R, 5M
B2R	Type 6 with Two Registers	Types 1, 2, 3, 4, 5R, 5M
OPCL	As per associated tariff	
Any kVA based demand tariffs	Type 4 or 5 with additional kVA functionality	or Types 1,2, 3
Any kW based demand tariff eg WLV (obsolete)	Type 4 or 5 with additional kVA functionality	Types 1, 2, 3

5.6 Parent / Child Metering

In some situation (eg shopping centres) the end user purchases electricity from their landlord. This is usually done via a private child meter. Subject to regulatory requirements these end users can buy electricity from a retailer of choice.

Where the end user elects to contract to a retailer of choice their retailer will need to engage an authorised meter provider to install the suitable type of market metering. SA Power Networks connection and metering processes are for direct connection of customers to the distribution network and are not suitable for child metering purposes. Please note that network charges are only billed to the parent meters retailer and therefore the parent (landlord) will recover these charges from the child metered tenancies.

SA Power Networks does not manage connections or metering for child NMIs.

Customers seeking advice in relation to child metering and their rights should be referred to the website of The Essential Services Commission of SA for a copy of the 'Advisory Bulletin 1: Electricity Reselling'.

Where a service order is received in relation to child metering then a Network Customer Solutions Manager must be consulted.

Child metering must not be installed by SA Power Networks staff without specific authorisation from a Network Customer Solutions Manager. Customers wishing child metering should contact our Metering Services Manager for information and costing.

5.7 Meter Reading

Tariff	Min Meter requirement	Acceptable Alternative Type	Reading frequency	Billed
RSR	Type 6 with Single Register	Types 1, 2, 3, 4, 5R, 5M	90 days for type 5 & 6 Daily read for all other types	Generally quarterly billed
BSR	Type 6 with Single Register	Types 1, 2, 3, 4, 5R, 5M	Type 1 to 4 are read daily and type 5 & 6 can be read monthly or quarterly 90 days	Generally quarterly but larger sites can be monthly
B2R	Type 6 with Two Registers	Types 1, 2, 3, 4, 5R, 5M	Type 1 to 4 are read daily and type 5 & 6 can be read monthly or quarterly 90 days	Generally quarterly but larger sites can be monthly
OPCL	As per associated tariff		quarterly 90 days for type 5 & 6	Generally quarterly but larger sites can be monthly
Any kVA based demand tariffs	Type 4 or 5 with additional kVAR functionality	or Types 1,2, 3	Type 1 to 4 are read daily and type 5 can be read monthly or quarterly 90 days	monthly
Any kW based demand tariff eg WLV (obsolete)	Type 4 or 5 with additional kVAR functionality	Types 1, 2, 3	Type 1 to 4 are read daily and type 5 can be read monthly or quarterly 90 days	monthly

6. NMIS

6.1 Background

Under the NER SA Power Networks is required to assign a ‘National Metering Identified’ (NMI) to each customer connection point. The NMI is the common identifier for the supply address, metering installation and account for each customer’s supplies.

SA Power Networks registers its customers’ NMIs and the relevant standing data in AEMO’s MSATS (Market Settlement and Transfers System) which enables retailers and other market participants to obtain information about the NMIs for which they are responsible and thus undertake their responsibilities.

Information registered in MSATS includes:

- NMI
- Address
- Network Tariff
- Distribution Loss Factor
- Marginal Loss Factor
- Market roles for the NMI ie:
 - Retailer (FRMP)
 - Responsible Person (RP)
 - Distributor (LNSP)
 - Meter Provider (MPB)
 - Data Provider (MDP, MPC)

6.2 NER Requirements

The NMI is assigned to the unique combination of connection point (to distribution system) and customer premises. Should the connection point be changed eg through upgrade then a new NMI may be required.

The NMI remains with the installation as long as the metering and tenancy relationships remain in the initial configuration.

If a single tenancy is split into two each with individual direct meters, then new NMIs are required similarly when a supply is withdrawn (demolition) the NMI is retired permanently.

6.3 Allocation Process

A NMI is to be assigned to each individual connect/customer/tenancy combination.

Examples

Example & Tariff	No of connection Points	No of (direct) meters	No of customers / tenancies	No of NMIs	Notes
Single house RSR	1	1	1	1	
Single house RSROPCL	1	2 (1 RSR & 1 OPCL)	1	1	
House and granny flat RSROPCL x1	1	2 (1 RSR & 1 OPCL)	1	1	Not separately metered
House and granny flat RSROPCL x 2	1	4 (2 RSR & 2 OPCL)	2	2	Separately metered
High rise 50 x RSR 6 x B2R 1 x BSR	1	57	57	57	
House with 3 EMS RSROPCL x1	1	3	1	1	Combination meters for underfloor heating
5 Factory units supplied from 1 padmount transformer	1	5	5	5	

6.4 NMIs and Meter Grouping

Metering that can be grouped (or consolidated) on an individual NMI on application.

- Where it is known that the usage of a series of meters relates to common area usage (eg communal lighting) and all meters have the same point of connection to SA Power Networks distribution system.
- Metering located in the same meter box relating to one commercial or residential premise that was installed for old lighting and power tariffs (prior to 1970).
- Where SA Power Networks agrees to provide alternative metering arrangements for an individual premises (eg 3 x EMS for underfloor heating or Import/Export for photo voltaic) and the meters are connected to the same connection point).

Note: Controlled Load metering will always be associated with another meter. It shall be grouped with the meter that relates to the same customer and tenancy or outbuilding.

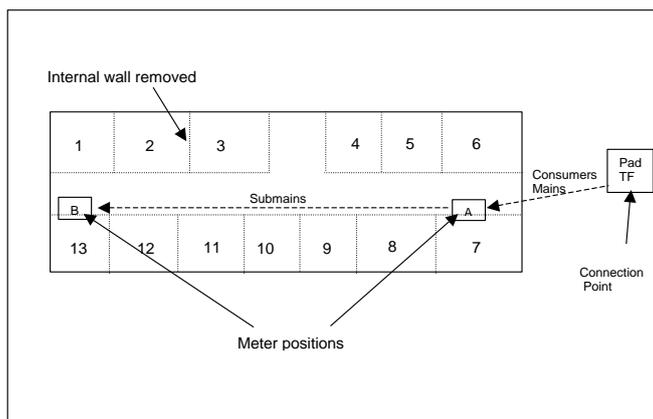
Grouping cannot be performed where:

- The premises are tenancies within a commercial office/retail complex
- The metering relates to a number of individual independent residential premises
- It is likely that changes in tenancies may occur
- The retailers are different
- The metering types are different

Where grouping cannot be undertaken the customer can however engage an electrical contractor (to transfer load) in order to reduce the number of metering points required.

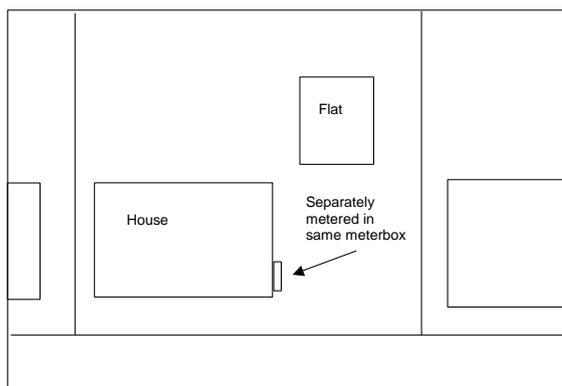
The following example illustrates meter consolidation. Communal lighting meters in meter boxes A and B may be grouped as they relate to same connection point. Metering for tenancies 2 and 3 (each individually metered) can not be grouped due to the transient nature of the occupancies. The customer may undertake physical consolidation with the assistance of an electrician to transfer load to one meter with the subsequent removal of the redundant meter by SA Power Networks (or meter provider).

eg Retail or office complex



Where multiple meters relate to multiple tenancies or dwellings the metering must be assigned to separate NMIs; as explained by the following diagram:

eg Multiple residential



Note: The above arrangements must be in accordance with the Service & Installation Rules.

6.5 NMIs and Connections

Where connection work is undertaken the NMI allocation is likely to be affected.

6.5.1 Upgrades

Where an installation undergoes an upgrade the original NMI may remain where:

- The connection point location remains the same
- The original supply is disconnected before the replacement is connected
- There is no substantial change in the connection point characteristics

Some examples of this would be:

- For an upgrade from 45 Amps to 63 Amps from the same pole, or
- A change of tariff and/or metering only (eg from single rate to two rate)

Slow Changeover

This is where a connection project involves the connection of the new supply while the original supply remains connected. By doing this the electrical contractor can transfer the customers circuits to the new supply one at a time and minimise the disruption to the customers business. Where this occurs a new NMI must be issued for the replacement supply and the original NMI will be discontinued when the original supply is disconnected.

In all other cases a new NMI is required. For example:

- Change from street service to padmount transformer service
- Change from low voltage supply to high voltage
- Where a parent / child network is converted to direct metering

6.5.2 New Supply

In all cases a new NMI is required.

Note: For Dual and back up supplies individual consideration for compliance with AEMOs NMI Allocation Procedure.

7. PROCESS

The tariff and metering is assigned to a NMI with unique consideration for the characteristics at the NMI. These characteristics are:

- Estimated or measured maximum demand
- Estimated or actual annual energy throughput
- Retailer (Tier 1 or 2)
- Physical configuration of the connection point
- Changes to the connection point configuration
- Existing tariff
- Existing metering
- Meter provider
- Retailer / customer choice
- Type of installation

7.1 General Principles

NMIs

For purposes of tariffs and metering selection a new supply will be referred to as 'New NMI'. For an alteration a decision has to be made as to whether the altered or replacement connection is to be considered as a 'New NMI' or as an altered NMI.

Metering

An interval meter must not be replaced with a basic meter (SA Metering Code) unless Ministerial approval is provided.

All meters for a NMI must be the same type (ie Type 6, Type 5, or Type 1-4).

All newly installed interval meters are charged to the customer via the normal periodic bill (via retailer).

The responsibility for metering is determined by market rules on a connection by connection basis.

Where SA Power Networks is not the meter provider a type 1-4 meter will be installed by the other provider.

A tier 2 (Non AGL retailer) connection with estimated or actual energy use >160MWh pa requires type 1-4 meter (NER).

SA Power Networks Metering Charges

Type	Description	Required for Tier 1 (AGL)	Required for Tier 2 (non AGL)	Typical Cost to Customer Refer to Default Fees in Section 9 of this manual
1-4	Remotely read interval meter	Demand >250kVA	Demand >250 kVA OR Usage >160MWh pa	
5	Manually read interval meter	Demand <250 kVA	Usage <160MWh pa	
6	Basic, Accumulation meter	Demand <250 kVA	Usage <160MWh pa	Install* \$0 Annual \$0

**Note: charges apply for additional functions eg import / export, replace rotating disc with electronic for customer convenience, temporary supplies, pulse output etc – refer Section 9.*

Tariffs

A demand tariff requires a type 1-4 or type 5 meter.

A new or altered business NMI with a multi-phase meter requires a demand tariff.

For new supplies, a controlled load tariff is only permitted with a residential tariff. For existing supplies the addition of controlled load tariff is only permitted with a residential single rate tariff (RSR).

7.2 Process**Residential Customer**

For residential installations the tariff will be RSR with or without the OPCL option.

The meter type will be the highest class of what is currently installed and what is requested. (Highest is type 1-4, lowest is type 6).

For all single residential installations a type 6 meter is adequate, but if the residential customer has a capacity >100amps and has a CT metered installation, then type 5 meter is required unless a higher class of meter is either already installed or requested.

Where the retailer requests a Two Rate meter, the meter (type 5) can be provided (charges apply), however, the Network Tariff will remain as RSR (Network tariffs must be applied as per the rules while retailers are free to offer 'flexible' plans – the meter must be able to adequately capture the data to satisfy both pricing requirements).

Non Residential Customer

ie commercial, rural, industrial, accommodation etc.

Steps

1. Determine whether the project will require a new NMI, Section 5.2.1.
2. For non residential refer to the relevant flowchart to select meter type and tariff class:
 - New NMI 5.2.2
 - Existing NMI 5.2.3
3. If demand tariff is required then refer to section 5.2.4 for tariff selection.

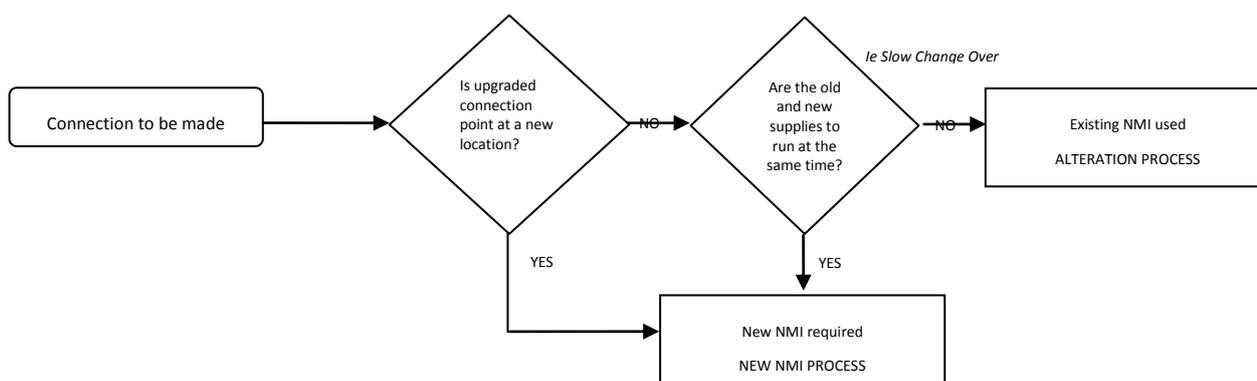
For any new or upgraded CT metered non residential installation, the minimum class of metering required is type 5.

Multiple Customers

For multiple customer supply (ie where each tenant contracts directly to their own chosen retailer) the metering and tariff requirements are determined individually for each particular tenancy / metering point / NMI.

The estimated demand and energy figures in 5.2.2 and 5.2.3 refer to the estimates for each separately metered tenancy and not the total aggregate supply.

7.2.1 NMI Allocation Check List for Upgrades



Specific Examples

If any of the criteria are met with a resulting action of ‘New NMI required’ then that is the required action.

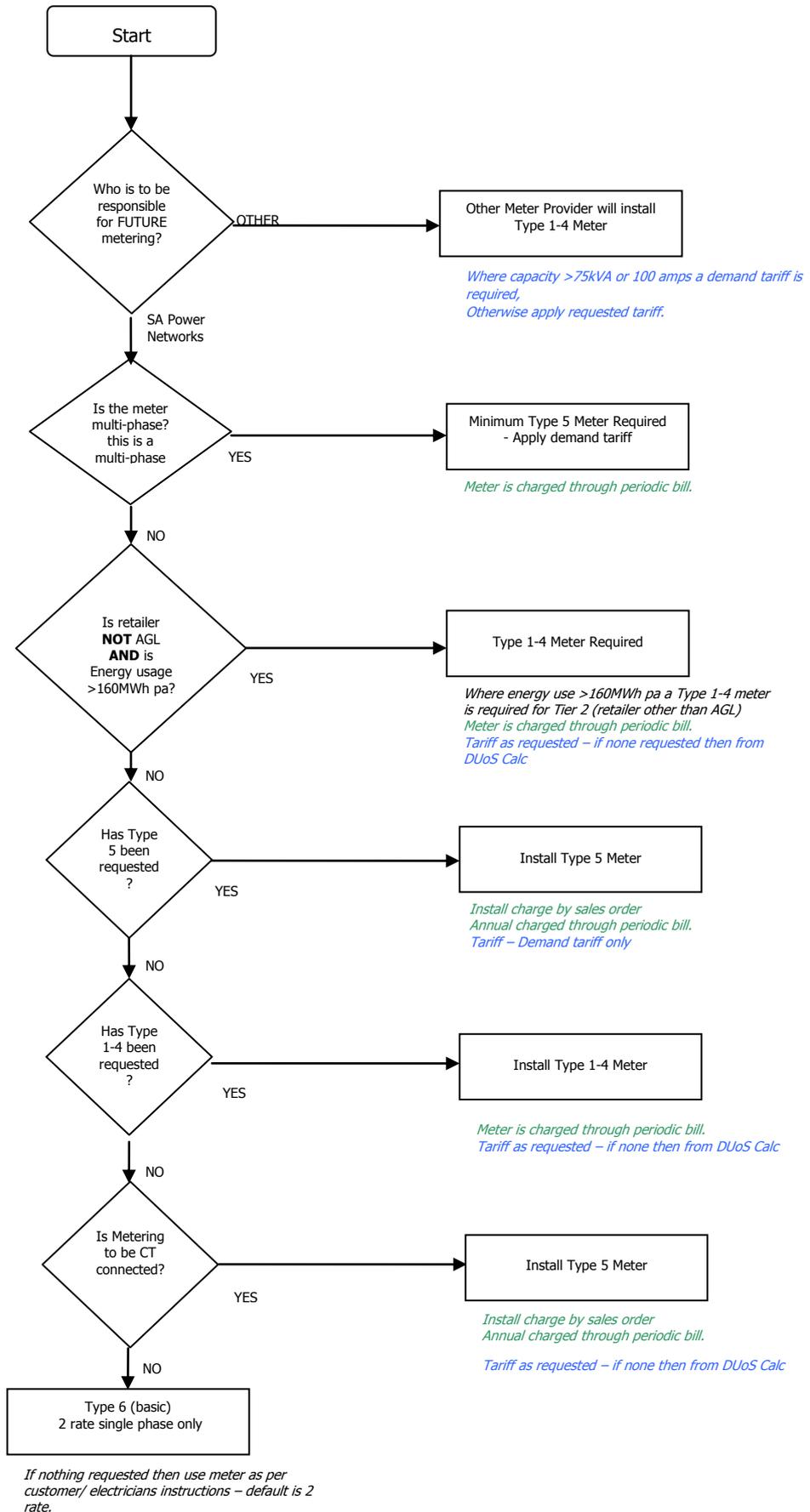
Criteria	Description	NMI Action	Example
New Connection Point	A new supply at a new site.	New NMI required	New padmount
Additional Connection Point	An additional supply at a different or adjacent location on an existing site.	New NMI required *	New padmount to independently feed additional building on industrial site.
New connection point location	Where the connection point is relocated to a different pole or pit.	No change	PLEC, Service relocation, upgrade from street feed to pad mount supply
Slow Changeover - Additional or replacement connection	Existing and new supplies run simultaneously throughout a portion of the changeover period	New NMI required *	Upgrade where continuous supply is maintained.
Whole Current to Whole Current (meter relocation)	Meter relocated to new location/enclosure	No Change	Domestic meter relocation (inside to outside)
Whole Current to CT Metered	Increase in load	No Change	Upgrade of installation (same connection point used)
CT to Whole current	Reduction in load	No Change	Downgrade of installation (same connection point used)
CT Ratio Change	Increase in load	No Change	Transformer ‘swap’ (same pad)

Criteria	Description	NMI Action	Example
Relocate CTs	Physical location of CTs altered	No change	Relocation of switchboard
Consolidation of meters	Removal of surplus meters (where already grouped on one NMI)	No Change	Consolidation of meters or surplus tariff
Additional Meter with no change in use type ** (ie no change between business and residential)	Addition of meter for tariff not previously on NMI or Addition of meter due to supply/ tariff requirements	No Change	J Add, Or 3x EMS for underfloor or PV import metering
Additional Meter	New tenancy within existing installation.	New NMI required	Multistorey offices - portion of floor redistributed to new tenant Shop subdivided into 2
Upgrade consumers mains	Replacement for maintenance or increase in load	No change	Replacement of damaged consumer's mains.

* Refer to Network Customer Manager for case by case decision for supplies where the existing NMI has multiple meters.

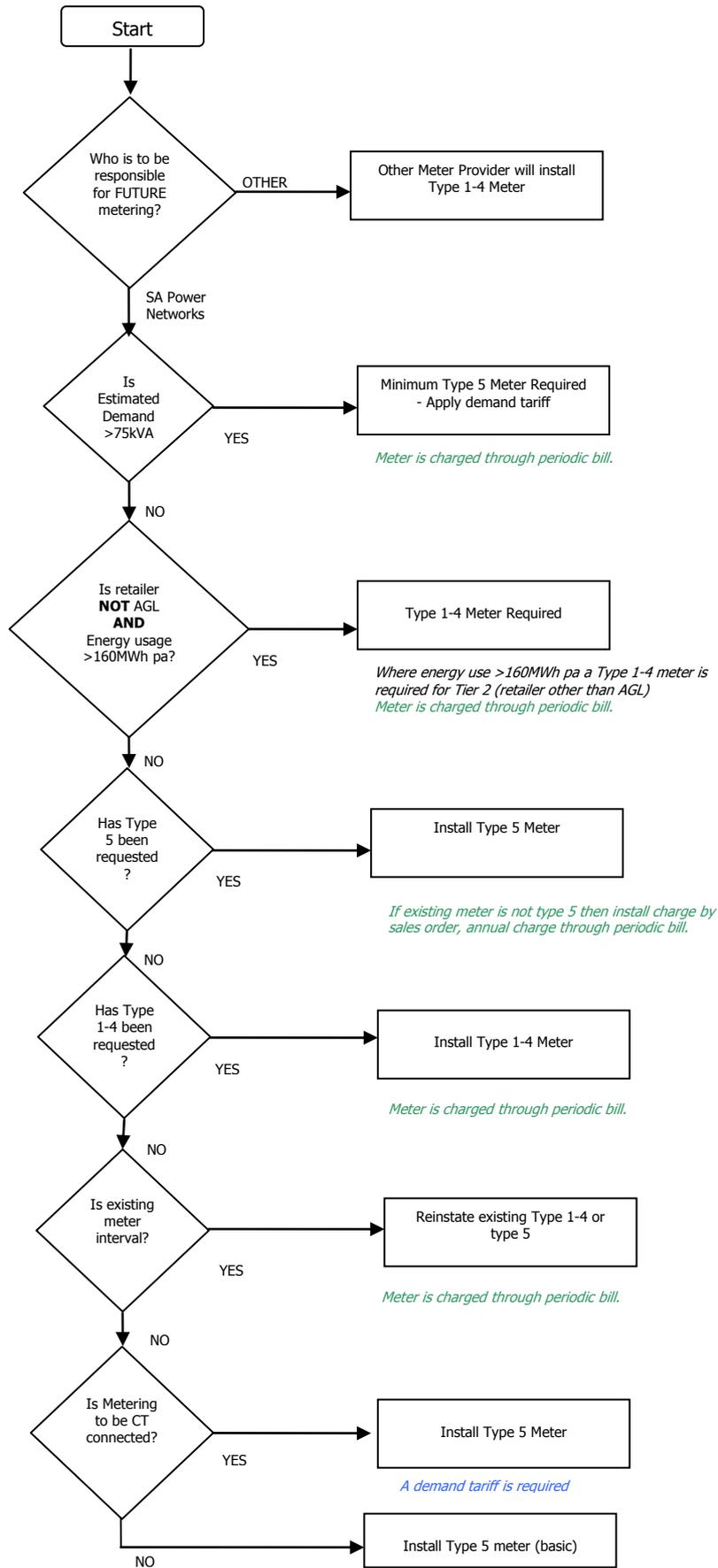
** Subject to tariff eligibility criteria.

7.2.2 Meter Selection for New NMIs (Non Residential)



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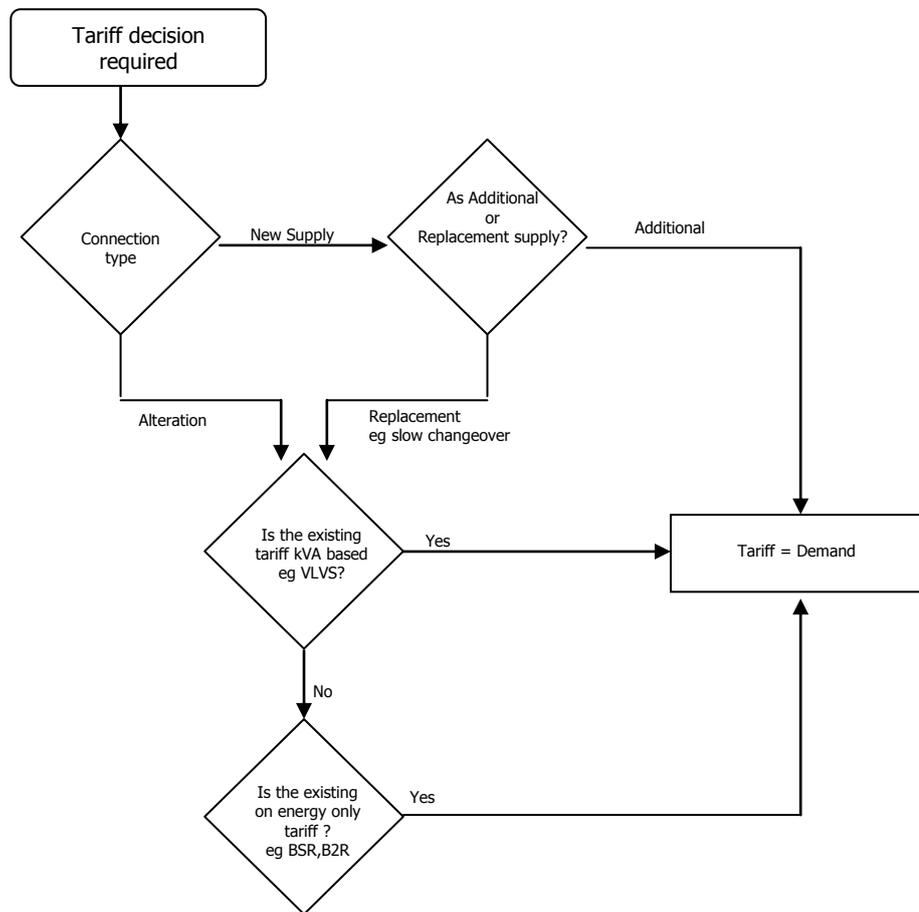
7.2.3 Meter Selection for Existing NMIs (Non Residential)



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7.2.4 Demand Tariff Selection (LV)

The following flowchart can be used for determining the tariff for low voltage connections where the supply is multi-phase and therefore requiring a demand tariff to be applied. Decisions regarding the applications high voltage tariffs should be referred to a Customer Manager or Manager Regulation.



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7.3 Examples

7.3.1 Residential House – New Connection

Job Type	New Supply	
Installation Type	Residential	

Retailer request	Current	Requested
Retailer	-	TRU
Meter Provider	-	SA Power Networks
Meter Type	-	Type 6
Tariff	-	QRSROPCL

Project Info	Value	Source
Estimated Demand	60 Amps 1ph (ie14kVA)	Form A / B or SIF
Estimated Energy	Not known	
Service Info	New supply from pit	

Assessment	Action	Reason
NMI	New	
Tariff	QRSROPCL	
Meter	Type 6 – Combination meter	

Comments: As the supply is for a residential premise the tariff will be RSR. Although the energy use is not known it is safe to assume the energy used for conventional residential premises is less than 160MWh per annum and therefore a type 1-4 meter is not required (the average usage for single residential premises is SA is around 5MWh pa for RSR and 8MWh pa for RSROPCL).

7.3.2 Residential House – Alteration

Alteration for new meter position and increase in maximum demand.

Job Type	Alteration	
Installation Type	Residential	

Retailer request	Current	Requested
Retailer	Origin	Origin
Meter Provider	SA Power Networks	SA Power Networks
Meter Type	Type 6	Type 6
Tariff	QRSROPCL	QRSROPCL

Project Info	Value	Source
Estimated Demand	50 Amps 1ph (ie12kVA)	Form A / B or SIF
Estimated Energy	Not known	
Service Info	Replace o/h service with o/u on pole	

Assessment	Action	Reason
NMI	Existing	Old supply is removed before replacement connected and supply from same pole.
Tariff	QRSROPCL	No change requested or required
Meter	Type 6	No change requested or required

7.3.3 Residential House – Meter / Tariff Change Request

Job Type	Meter Work	
Installation Type	Residential	

Retailer request	Current	Requested
Retailer	AGL	AGL
Meter Provider	SA Power Networks	SA Power Networks
Meter Type	Type 6	Type 5 – 2 rate
Tariff	QRSR	QR2R

Project Info	Value	Source
Estimated Demand	Not known	
Estimated Energy	Not known	
Service Info	Existing	

Assessment	Action	Reason
NMI	No Change	
Tariff	QRSR	There is no residential 2 rate Network tariff however a retailer is able to offer a 2 rate Retail tariff.
Meter	Type 5 – Two rate	

Comments: If a retailer does offer a two rate tariff then the meter will need to be changed to accommodate this (costs as per Section 9). The network tariff however, will remain as RSR ie the meter needs to be suitable or better than the network tariff requirement.

7.3.4 Small Commercial – New Connection

Job Type	New Supply	
Installation Type Single Phase	Commercial	

Retailer request	Current	Requested
Retailer	-	Aurora
Meter Provider	-	SA Power Networks
Meter Type	-	Type 6
Tariff	-	QBSR

Project Info	Value	Source
Estimated Demand	60 Amps 1ph (ie14kVA)	Form A / B or SIF
Estimated Energy	Not known	
Service Info	New supply from pit	

Assessment	Action	Reason
NMI	New	
Tariff	QB2R	
Meter	Type 6	

Comments: As single phase supply a demand tariff is not required.

7.3.5 Small Commercial – Alteration

Alteration for new meter position and increase in maximum demand.

Job Type	Alteration	
Installation Type Multi-phase	Commercial	

Retailer request	Current	Requested
Retailer	Origin	Origin
Meter Provider	SA Power Networks	SA Power Networks
Meter Type	Type 6	Type 5
Tariff	QB2R	Actual (monthly) Demand tariff

Project Info	Value	Source
Estimated Demand	100 Amps 3ph (ie75kVA)	Form A / B or SIF
Estimated Energy	Not known	
Service Info	Replace 3ph o/h service with 100 o/u on pole	

Assessment	Action	Reason
NMI	Existing	Old supply is removed before replacement connected and supply from same pole.
Tariff	QB2R	No change requested or required
Meter	Type 6	No change requested or required

Comments: As the supply is multi-phase then interval meter required and demand tariff applied.

7.3.6 Small Commercial – Meter / Tariff Change Request

Job Type	Meter Work	
Installation Type Multi-phase	Commercial	

Retailer request	Current	Requested
Retailer	AGL	AGL
Meter Provider	SA Power Networks	SA Power Networks
Meter Type	Type 6-	Type 5 interval
Tariff	QBSROPCL	Monthly Demand

Project Info	Value	Source
Estimated Demand	Not known	
Estimated Energy	Not known	
Service Info	Existing	

Assessment	Action	Reason
NMI	No Change	
Tariff	Actual (monthly) Demand Tariff	OPCL not supported with any business tariff.
Meter	Type 5 – Two rate	As required for Demand Tariff

7.3.7 Large Commercial – New Connection

Job Type	New Supply	
Installation Type	Commercial	

Retailer request	Current	Requested
Retailer	-	TRU
Meter Provider	-	SA Power Networks
Meter Type	-	Type 5
Tariff	-	Demand

Project Info	Value	Source
Estimated Demand	600kVA	DUoS Rebate estimate
Estimated Energy	1300MWh pa	DUoS Rebate estimate
Service Info	New supply from new padmount	

Assessment	Action	Reason
NMI	New	
Tariff	Demand	Multi-phase supply therefore Demand Tariff required.
Agreed Demand	600kVA	Required for demand tariff use ADMD (ie demand from DUoS rebate)
Meter	Type 1-4	Type 1-4 required for Demand Tariff and Type 1-4 required because estimated energy use greater than 160MWh pa.

7.3.8 Large Commercial – Alteration

Alteration for new meter position and increase in maximum demand. The old connection will be remaining connected for approximately one week to minimise disruption to the customer while the contractor transfers load to the new connection.

Job Type	Alteration	
Installation Type	Commercial	

Retailer request	Current	Requested
Retailer	Origin	Origin
Meter Provider	Infomet	Infomet
Meter Type	Type 1-4	
Tariff	VLVS	VLVS

Project Info	Value	Source
Estimated Total Demand	600kVA (570kW)	DUoS Rebate estimate
Estimated Energy	1300MWh pa	DUoS Rebate estimate
Service Info	New padmount installed for increased demand	

Assessment	Action	Reason
NMI	New NMI and abolish old NMI	Replacement supply is from different connection point and old supply will still be connected when replacement energised.
Tariff	VLVSi	KVA Demand Tariff is applied to the new NMI.
Agreed Demand	600KVA	kVA Demand.
Meter	Type 1-4	Type 1-4 required due to Demand Tariff and other meter provider can only install Type 1-4.

Comments: Where the customer installs power factor correction as part of the upgrade process the customer should be advised to submit a tariff change request via their retailer. Validation of correct power factor is incorporated in the tariff change process.

7.3.9 Large Commercial – Meter / Tariff Change Request

Customer is downgrading site from production to warehousing. Want to save on metering and demand charges.

Job Type	Meter work
Installation Type	Commercial

Retailer request	Current	Requested
Retailer	Powerdirect	Powerdirect
Meter Provider	Powerdirect	SA Power Networks
Meter Type	Type 1-4	Type 5
Tariff	VLVS	Actual (monthly) Demand Tariff

Project Info	Value	Source
Estimated Demand	Existing Agreed Demand 320kVA Future requirement 100kVA	CIS OV or NESS for current Form A or tariff change form for future
Estimated Energy	100MWh pa	CIS OV or NESS (look at usage since production ceased scaled for annual)
Service Info	Existing	

Assessment	Action	Reason
NMI	No Change	
Tariff	VLVS	As reduced Agreed demand is greater than 75kVA or 100 amps a demand tariff is mandatory.
Meter	Type 5	Ok to downgrade meter as energy less than 160MWh pa – cannot go to type 6 due to non reversion requirement.

Comments: The reduction of agreed maximum demand needs to be approved by Customer Manager (tariff change process) before tariff or meter can be changed. The customer remains on Demand Tariff.

7.3.10 Commercial – Meter / Tariff Change Request

Customer is downgrading site from production to warehousing. Want to save on metering and demand charges and propose to limit load to < 100amps.

Job Type	Meter work
Installation Type	Commercial

Retailer request	Current	Requested
Retailer	Powerdirect	Powerdirect
Meter Provider	Powerdirect	SA Power Networks
Meter Type	Type 1-4	Type 5
Tariff	VLVS	Actual (monthly) Demand Tariff

Project Info	Value	Source
Estimated Demand	Existing Agreed Demand 320kVA Future requirement 70kVA controlled by meter isolator	CIS OV or NESS for current Form A or tariff change form for future
Estimated Energy	100MWh pa	CIS OV or NESS (look at usage since production ceased scaled for annual)
Service Info		Existing

Assessment	Action	Reason
NMI	No Change	
Tariff	VLVS	As reduced Agreed demand is less than 75kVA or 100 amps a change to Business Actual (monthly) Demand Tariff is acceptable
Meter	Type 5 whole current meter	Ok to downgrade meter as energy less than 160MWh pa – cannot go to type 6 due to non reversion requirement.

Comments: The reduction of agreed maximum demand needs to be approved by Customer Manager (tariff change process) before tariff or meter can be changed.

8. POWER FACTOR

8.1 Excess kVAR Charges

Customers must comply with the South Australian Distribution Code requirements in particular Part B Connection and Supply Contract Power Factor. If a customer installation is not compliant at times of their monthly peak demand then an annual charge is applied of \$45.00 per kVAR excluding GST that SA Power Networks calculates that would be required to make the site compliant.

NMI	Excess kVAR 2015/16 excl GST \$ pa	NMI	Excess kVAR 2015/16 excl GST \$ pa	NMI	Excess kVAR 2015/16 excl GST \$ pa
2001000015	\$2,205	2001007006	\$2,293	2001715784	\$1,316
2001000037	\$2,282	2001007920	\$3,945	2001717667	\$1,149
2001000238	\$1,102	2001008075	\$918	2001718757	\$928
2001000245	\$995	2001008106	\$1,229	2001728102	\$910
2001000264	\$5,308	2001008678	\$1,544	2001733244	\$3,686
2001000266	\$1,130	2001153964	\$2,513	2001734682	\$1,496
2001000352	\$1,800	2001212208	\$923	2001738496	\$978
2001000367	\$1,044	2001224322	\$1,067	2001738609	\$1,168
2001000371	\$5,107	2001275768	\$1,626	2001738744	\$1,118
2001000381	\$11,573	2001400874	\$993	2001739001	\$1,218
2001000409	\$5,200	2001417065	\$2,447	2001753386	\$2,524
2001000491	\$1,023	2001417609	\$2,072	2001753486	\$934
2001000595	\$2,409	2001455197	\$1,200	2001753604	\$2,602
2001000624	\$1,151	2001471904	\$1,044	2001753637	\$2,309
2001000675	\$2,130	2001510498	\$1,309	2001754603	\$1,607
2001000711	\$1,265	2001516305	\$1,052	2001761001	\$1,117
2001000742	\$3,275	2001548972	\$1,041	2001765086	\$1,814
2001000760	\$1,307	2001614019	\$2,839	2001771250	\$1,201
2001000769	\$2,092	2001617840	\$2,360	2001775602	\$1,297
2001000785	\$1,223	2001632179	\$1,267	2001778902	\$1,602
2001004404	\$1,080	2001637910	\$1,219	2001782863	\$1,271
2001004425	\$1,935	2001672752	\$3,547	2002103747	\$1,444
2001004507	\$1,211	2001674586	\$2,012	2002106430	\$10,253
2001004598	\$1,166	2001676222	\$2,722	2002108653	\$1,482
2001004779	\$1,424	2001678019	\$1,268	2002108660	\$1,261
2001004844	\$998	2001679263	\$2,260	2002108661	\$1,708
2001004873	\$1,085	2001680160	\$1,653	2002110034	\$917
2001004880	\$1,080	2001682184	\$5,350	2002115113	\$1,396
2001005110	\$1,587	2001684197	\$983	2002122723	\$2,562
2001005183	\$2,496	2001687665	\$1,127	2002123438	\$1,063
2001005226	\$1,340	2001687755	\$1,042	2002125966	\$1,144
2001005395	\$1,427	2001693002	\$1,762	2002127173	\$1,088
2001005647	\$1,537	2001693979	\$1,562	2002127179	\$2,626
2001005686	\$1,023	2001695197	\$2,779	2002130604	\$1,999
2001005733	\$3,689	2001700527	\$2,263	2002130953	\$1,044
2001005775	\$2,150	2001700918	\$954	2002131783	\$4,144
2001005789	\$1,106	2001705303	\$1,289	2002132493	\$2,515
2001005862	\$960	2001707190	\$1,982	2002133171	\$1,003
2001006000	\$916	2001713073	\$2,716	2002135194	\$1,223
2001006182	\$911	2001715435	\$1,408	2002136097	\$1,043

NMI	Excess kVAr 2015/16 excl GST \$ pa	NMI	Excess kVAr 2015/16 excl GST \$ pa	NMI	Excess kVAr 2015/16 excl GST \$ pa
2002137665	\$1,756	SAAAAA098	\$1,553	SAAAAA978	\$3,692
2002138235	\$2,915	SAAAAA100	\$8,181	SAAAAAB031	\$1,779
2002138677	\$1,775	SAAAAA112	\$3,161	SAAAAAB048	\$2,956
2002141864	\$983	SAAAAA142	\$3,533	SAAAAAB082	\$2,011
2002148144	\$1,459	SAAAAA143	\$22,706	SAAAAAB112	\$1,303
2002150222	\$6,125	SAAAAA145	\$1,817	SAAAAAB121	\$2,427
2002150864	\$1,722	SAAAAA164	\$7,026	SAAAAAB129	\$1,059
2002154733	\$1,320	SAAAAA165	\$2,074	SAAAAAB165	\$1,608
2002158628	\$2,889	SAAAAA177	\$13,286	SAAAAAB184	\$1,191
2002165011	\$1,352	SAAAAA186	\$24,609	SAAAAAB197	\$1,622
2002171029	\$3,599	SAAAAA191	\$6,299	SAAAAAB230	\$968
2002172259	\$2,870	SAAAAA196	\$5,873	SAAAAAB262	\$2,415
2002174174	\$915	SAAAAA208	\$1,017	SAAAAAB266	\$995
2002175466	\$1,893	SAAAAA211	\$2,970	SAAAAAB338	\$1,035
2002179957	\$2,191	SAAAAA269	\$1,025	SAAAAAB348	\$1,773
2002183026	\$985	SAAAAA291	\$3,398	SAAAAAB357	\$2,758
2002185358	\$4,099	SAAAAA296	\$1,052	SAAAAAB367	\$1,166
2002187203	\$1,460	SAAAAA312	\$1,673	SAAAAAB420	\$2,985
2002187426	\$2,006	SAAAAA314	\$2,105	SAAAAAB434	\$1,073
2002188613	\$1,810	SAAAAA319	\$2,913	SAAAAAB446	\$2,783
2002192912	\$1,435	SAAAAA329	\$1,592	SAAAAAB447	\$1,870
2002196085	\$2,060	SAAAAA330	\$995	SAAAAAB451	\$1,541
2002196090	\$2,865	SAAAAA339	\$1,550	SAAAAAB458	\$2,841
2002197791	\$1,662	SAAAAA356	\$1,072	SAAAAAB485	\$2,980
2002200979	\$1,483	SAAAAA381	\$2,419	SAAAAAB502	\$2,811
2002203416	\$968	SAAAAA396	\$2,072	SAAAAAB551	\$2,293
2002204539	\$1,175	SAAAAA398	\$2,569	SAAAAAB552	\$3,274
2002204924	\$3,421	SAAAAA423	\$1,395	SAAAAAB554	\$4,481
2002208657	\$2,735	SAAAAA431	\$1,428	SAAAAAB555	\$3,913
2002212057	\$928	SAAAAA439	\$22,940	SAAAAAB586	\$906
2002215222	\$1,386	SAAAAA443	\$1,737	SAAAAAB598	\$1,832
2002215230	\$976	SAAAAA477	\$1,451	SAAAAAB603	\$1,101
2002219768	\$5,956	SAAAAA481	\$1,825	SAAAAAB674	\$1,044
2002230058	\$1,152	SAAAAA501	\$5,055	SAAAAAB675	\$2,070
2002230443	\$2,389	SAAAAA556	\$1,024	SAAAAAB677	\$2,436
2002235232	\$1,645	SAAAAA567	\$2,069	SAAAAAB682	\$955
2002235330	\$2,098	SAAAAA584	\$1,162	SAAAAAB708	\$3,589
2002235933	\$1,609	SAAAAA595	\$2,262	SAAAAAB878	\$2,064
2002246732	\$2,210	SAAAAA619	\$937	SAAAAAB883	\$922
2002276228	\$1,816	SAAAAA675	\$3,119	SAAAAAB900	\$1,361
SAAAAA021	\$65,763	SAAAAA710	\$1,167	SAAAAAB904	\$1,511
SAAAAA025	\$12,282	SAAAAA753	\$1,837	SAAAAAB914	\$1,267
SAAAAA043	\$5,622	SAAAAA761	\$7,334	SAAAAAC076	\$958
SAAAAA047	\$3,569	SAAAAA795	\$2,056	SAAAAAC196	\$2,692
SAAAAA048	\$16,362	SAAAAA868	\$1,567	SAAAAAC233	\$1,217
SAAAAA082	\$2,091	SAAAAA891	\$3,755	SAAAAAC254	\$1,085
SAAAAA097	\$2,395	SAAAAA967	\$1,089	SAAAAAC264	\$1,135

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NMI	Excess kVAr 2015/16 excl GST \$ pa	NMI	Excess kVAr 2015/16 excl GST \$ pa
SAAAAAC271	\$1,858	SAAAAAE110	\$1,572
SAAAAAC326	\$934	SAAAAAE298	\$1,228
SAAAAAC410	\$1,492	SAAAAAE300	\$7,482
SAAAAAC424	\$1,060	SAAAAAE301	\$2,159
SAAAAAC434	\$2,892	SAAAAAE367	\$4,302
SAAAAAC471	\$3,891	SAAAAAE377	\$1,010
SAAAAAC473	\$2,362	SAAAAAE381	\$1,500
SAAAAAC476	\$1,503	SAAAAAE483	\$1,575
SAAAAAC477	\$2,061	SAAAAAE490	\$1,067
SAAAAAC489	\$1,920	SAAAAAE494	\$1,391
SAAAAAC493	\$3,234	SAAAAAE540	\$2,868
SAAAAAC500	\$2,595	SAAAAAE548	\$1,505
SAAAAAC527	\$1,184	SAAAAAE571	\$919
SAAAAAC558	\$2,645	SAAAAAE622	\$938
SAAAAAC657	\$1,539	SAAAAAE641	\$1,007
SAAAAAC667	\$1,259	SAAAAAE642	\$966
SAAAAAC677	\$1,782	SAAAAAE645	\$1,542
SAAAAAC799	\$1,501	SAAAAAE699	\$1,678
SAAAAAC807	\$1,011	SAAAAAE725	\$5,952
SAAAAAC827	\$1,268	SAAAAAE752	\$6,271
SAAAAAC829	\$936	SAAAAAE757	\$963
SAAAAAC871	\$994	SAAAAAE760	\$1,084
SAAAAAC882	\$1,749	SAAAAAE774	\$1,053
SAAAAAC890	\$2,340	SKLBWKLHS1	\$2,652
SAAAAAC904	\$1,315		
SAAAAAC948	\$1,832		
SAAAAAD001	\$1,938		
SAAAAAD027	\$1,148		
SAAAAAD076	\$982		
SAAAAAD105	\$1,386		
SAAAAAD183	\$3,247		
SAAAAAD184	\$1,037		
SAAAAAD263	\$1,923		
SAAAAAD313	\$1,149		
SAAAAAD324	\$4,262		
SAAAAAD328	\$2,369		
SAAAAAD639	\$1,787		
SAAAAAD665	\$2,163		
SAAAAAD713	\$1,070		
SAAAAAD738	\$1,712		
SAAAAAE043	\$1,597		
SAAAAAE065	\$1,197		
SAAAAAE072	\$1,172		

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9. NEGOTIATED DISTRIBUTION SERVICES

9.1 Basic Connection Services

9.1.1 Purpose

This section details the basic connection services provided to customers for which a default fee will be charged. These connection services are of such a nature that a default charge can be calculated and listed in the indicative price list below.

9.1.2 Discussion

Basic connection services relate to a connection (or a proposed connection) between SA Power Networks distribution system and the customers premises.

The basic connection services offered by SA Power Networks are listed in the table on indicative prices below. The provision of these services involve minimal or no augmentation of the distribution network.

Under the National Energy Customer Framework (NECF), there are two categories of connection contracts which are:

1. Connection contract – which is associated with establishing or altering the physical connection to the distribution system.

SA Power Networks has two connection contracts for basic connection services and each have a model standing offer (MSO):

- Basic connection service with no embedded generators: and/or
- Small embedded generators (SEG).

2. Customer connection contract – which is associated with the ongoing supply of energy to a retail customer's premises and are normally deemed (ie customer does not need to sign or agree to the contract) to apply. These contracts commence on energisation or when a customer starts consuming energy.

The two model standing offers along with the table of Basic Connection Services indicative prices have been approved by the Australian Energy Regulator (AER) and are published on our website at www.sapowernetworks.com.au.

The customer connection contract is a Deemed Standard Connection Contract (DSCC) that applies to all small customers (ie electricity consumption less than 160MWh pa).

A request for a basic connection service can be expedited by not requesting a formal offer and when signing our application form you can accept both the Terms and Conditions of the MSO and the default charge when the application is made.

The charge recovers the average cost of performing such work including labour, materials, vehicles, other services, overheads and a return on investment.

SA Power Networks default service is a low voltage single phase up to 63Amps. This service is provided by the installation of an over to under service on an existing low voltage stobie pole or from an existing service pit/pillar that is located up to 25 metres from the property boundary on the same side of the street.

Variations to the default service may include a combination of the charges in the tables below. For example, a new multi phase service (using over to under or existing service pit) with import export metering to suit would require 2 charges combined, being fee codes BCS 101 and BCS 115.

Basic Connection Services Indicative Price List

New Supply – (Service provision charges, excluding metering charges)*

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
1 phase or multi phase 63Amp	Over to under service On Existing Pole (see diagram 1 or 1A)	Provision of an over to under service on an existing pole that is located up to 25 metres from the customers property boundary Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. Does not apply to Residential developments No Pioneer Scheme will apply	\$550.00	\$605.00	BCS 100	NSC02
1 phase or multi phase 63Amp	Over to under service New pole required (see diagram 1A)	Provision an over to under service on a new low voltage pole which includes one span of LV ABC mains up to 25 metres from the existing supply mains. Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. Does not apply to Residential developments No Pioneer Scheme will apply.	\$2,900.00	\$3,190.00	BCS136	N/A
1 phase or multi phase 63Amps	Overhead service on existing pole (see diagram 3 or 3A)	Provision of an overhead service from an existing low voltage pole in lieu of an over to under service. Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. Does not apply to Residential developments No Pioneer Scheme to apply	\$760.00	\$836.00	BCS137	N/A

New Supply – (Service provision charges, excluding metering charges)* (cont.)

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
1 phase or multi phase 63Amps	Overhead service on a new pole (see diagram 3A)	Provision of an overhead service from a new low voltage pole in lieu of an over to under service Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. Does not apply to Residential developments No Pioneer Scheme to apply	\$3,110.00	\$3,421.00	BCS 102	NSC06
1 phase or multi phase 63Amp	Existing pit/pillar (see diagram 2)	Provision of a service from an existing low voltage service pit/pillar that is located up to 25 metres from the property boundary Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. Does not apply to Residential developments. No Pioneer Scheme will apply	\$300.00	\$330.00	BCS 101	NSC03
1 phase or multi phase 63Amp	New pit/pillar (see diagram 2)	Provision of a service from a new low voltage service pit/pillar that is located up to 25 metres from the existing supply mains Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. Does not apply to Residential developments. No Pioneer Scheme will apply	\$4,500.00	\$4,950.00	BCS 144	N/A
1 phase or multi phase 63Amp (For Residential Developments)	Over to under service (see diagram 1 or 1A)	Applies ONLY to residential developments from existing fully funded infrastructure. No Pioneer Scheme to apply	No Charge	No Charge	BCS 138	N/A
1 phase or multi phase 63Amp (For Residential Developments)	Overhead service (see diagram 3 or 3A)	Applies ONLY to residential developments from existing fully funded infrastructure. No Pioneer Scheme to apply	No Charge	No Charge	BCS 139	N/A

New Supply – (Service provision charges, excluding metering charges)* (cont.)

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
1 phase or multi phase 63Amp (For Residential Developments)	Underground connection from pit/pillar (see diagram 2)	Applies ONLY to residential developments from existing fully funded infrastructure. No Pioneer Scheme to apply	No Charge	No Charge	BCS 140	N/A
Temporary Supply 1 phase or multi phase 63Amp	Over to under service (see diagram 1 or 1A)	Provision of a temporary over to under service on an existing stobie pole that is located up to 25 metres from the customers property boundary on the mains side of the street Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. No Pioneer Scheme will apply	\$550.00	\$605.00	BCS 103	NSC12
Temporary Supply 1 phase or multi phase 63Amp	Over to under service on new pole (see diagram 1A)	Provision a temporary over to under service on a new low voltage pole which includes one span of LV ABC mains up to 25 metres from the existing supply mains Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. No Pioneer Scheme will apply.	\$2,900.00	\$3,1900	BCS 104	NSC14
Temporary Supply 1 phase or multi phase 63Amp	Overhead service on existing pole (see diagram 3 or 3A)	Provision of a temporary single or multi phase overhead service from an existing low voltage pole to a structure provided by the customer i.e. customer installs a temporary pole and meter box, in lieu of an over to under service and where multi phases is available. Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. No Pioneer Scheme to apply	\$760.00	\$836.00	BCS 141	N/A

New Supply – (Service provision charges, excluding metering charges)* (cont.)

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Temporary Supply 1 phase or multi phase 63Amp	Overhead service on a new pole (see diagram 3A)	<p>Provision of a temporary single or multi phase overhead service from a new low voltage pole to a structure provided by the customer i.e. customer installs a temporary pole and meter box, in lieu of an over to under service and where multi phases is available.</p> <p>Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only.</p> <p>No Pioneer Scheme to apply</p>	\$2,900.00	\$3,190.00	BCS 142	N/A
Temporary Supply 1 phase or multi phase 63Amp	Existing pit/pillar (see diagram 2)	<p>Provision of a temporary service from an existing low voltage service pit/pillar that is located up to 25 metres from the property boundary.</p> <p>Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only.</p> <p>No Pioneer Scheme will apply</p>	\$300.00	\$330.00	BCS 145	N/A
Temporary Supply 1 phase or multi phase 63Amp	New pit/pillar (see diagram 2)	<p>Provision of a temporary service from a new low voltage service pit/pillar that is located up to 25 metres from the existing supply mains.</p> <p>Applies to installations where no refund to parent group is owing. Standard charge is for a typical transformer area only.</p> <p>No Pioneer Scheme will apply</p>	\$4,500.00	\$4,950.00	BCS 143	N/A

* Refer note 9.1.2 – Variations to the default service charge may include a combination of charges, (ie all charges will include a combination of a service provision charge and a metering provision charge)

Service Alterations (Service provision charges, excluding meter charges)*

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Replace existing 63Amp 1phase service or multi phase 63Amp service	Over to under service (see diagram 1) or Existing pit/pillar (see diagram 2)	Replacement of an existing overhead service to an over to under or underground service	\$260.00	\$286.00	BCS 106	N/A
Relocate or replace existing 1 phase 63Amp or multi phase 63Amp overhead service	Overhead service (see diagram 3)	Customer request for Relocation or replacement of an existing overhead service to accommodate building extensions, verandas, carports etc	\$316.00	\$347.60	BCS 107	AAC02
Upgrade to a multi phase 63Amp service	Over to under service (see diagram 1) or Overhead Service (see diagram 3)	Provision of an over to under service on an existing low voltage stobie pole or an overhead service from an existing low voltage stobie pole and the requested number of phases are available	\$501.00	\$551.10	BCS 109	AAC03
Upgrade to a multi phase 63Amp service	Existing service pit/pillar (see diagram 2)	Connection provided from an existing suitable low voltage service pit / pillar and the requested number of phases are available at the service point	\$109.00	\$119.90	BCS 110	AAC04
Additional 63Amp service for a duplex split i.e. Existing metered strata title split into two Torrens titles (no additional load)	Over to under service (see diagram 1) or Existing pit/pillar (see diagram 2)	Provision of an over to under service on an existing low voltage stobie pole or from an existing service pit/pillar that is located up to 25 metres from the customers property boundary on the same side of the street and the requested number of phases are available	\$402.00	\$442.20	BCS 111	N/A

* Refer note 9.1.2 – Variations to the default service charge may include a combination of charges, (ie all charges will include a combination of a service provision charge and a metering provision charge)

Unmetered Supply

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
1 phase unmetered supply only for approved applications e.g. public telephones, traffic signals, council lighting, parking machines, bus shelters and NBN Cubicles etc.	Over to under service on existing pole (see diagram 1) or Existing pit/pillar (see diagram 2)	Provision of an over to under service on an existing low stobie pole or from an existing service pit/pillar Applies to pre and post July 2015 installations where no refund to parent group is owing. Standard charge is for a typical transformer area only. Customer must wire to existing pole/pit.	\$496.00	\$545.60	BCS 112	NSC09

Metering provision charges (excluding service charges)*

New Installation

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Whole current type 6 meter (manually read basic accumulation meter)	1 phase	Installation of a single phase meter (single element)	\$102.00	\$112.20	BCS 135	N/A
Whole current type 6 meter (manually read basic accumulation meter)	1 phase	Installation of a single phase meter (includes off peak controlled load)	\$259.44	\$285.38	BCS 113	N/A
Whole current type 6 meter (manually read basic accumulation meter)	multi phase	Installation of a multi phase meter	\$304.19	\$334.61	BCS 131	N/A
Whole current type 6 meter (manually read basic accumulation meter)	multi phase	Installation of a multi phase meter (includes off peak controlled load and import/export)	\$563.63	\$619.99	BCS 132	N/A

Metering provision charges (excluding service charges)*

New Installation (cont.)

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Import / Export Whole Current type 6 meter (manually read basic accumulation meter) Connection of an embedded generator up to 10kW single phase and 30kW three phase (up to 5kW SWER)	1 phase	Installation of a single phase import/export meter (includes off peak controlled load)	\$259.44	\$285.38	BCS 114	N/A
	multi phase	Installation of a three phase import/export meter	\$304.19	\$334.61	BCS 115	N/A
Type 5 metering (manually read interval meter) Whole current up to 100amps	1 phase 1 element	Installation of a single phase single element manually read interval meter	\$163.92	\$180.31	BCS 116	N/A
	1 phase 2 element	Installation of a single phase dual element manually read interval meter e.g. off peak controlled load	\$235.02	\$258.52	BCS 118	N/A
	multi phase	Installation of a multi phase single element manually read interval meter	\$404.13	\$444.54	BCS 120	N/A

* Refer note 9.1.2 – Variations to the default service charge may include a combination of charges, (ie all charges will include a combination of a service provision charge and a metering provision charge).

Metering provision charges (excluding service charges)*

Existing Installation

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Relocate existing metering	Over to under service (see diagram 1) or Existing pit/pillar (see diagram 2) or Overhead service (see diagram 3)	Reinstall metering from an existing location to a new metering enclosure with no change to the existing service as a result of building alterations i.e. customer convenience	\$99.00	\$108.90	BCS 108	AAC08
Import / Export Whole Current type 6 meter (manually read basic accumulation meter)	1 phase	Installation of a single phase import/export meter includes off peak controlled load	\$259.44	\$285.38	BCS 122	N/A
Connection of an embedded generator up to 10kW single phase and 30kW three phase (up to 5kW SWER)	multi phase	Installation of a three phase import/export meter	\$304.19	\$334.61	BCS 123	N/A
Type 5 metering (manually read interval meter)	1 phase 1 element	Installation of a single phase single element manually read interval meter	\$259.44	\$285.38	BCS 124	N/A
Whole current up to 100amps	1 phase 2 element	Installation of a single phase dual element manually read interval meter e.g. off peak controlled load	\$235.02	\$258.52	BCS 126	N/A
	multi phase	Installation of a multi phase single element manually read interval meter	\$404.13	\$444.54	BCS 128	N/A
Import / Export & Type 5 metering (manually read interval meter)	Reprogram meter	Existing meters that are able to be reprogrammed for import/export	\$86.00	\$94.60	BCS 130	N/A
Whole current type 6 meter (manually read basic accumulation meter)	multi phase	Installation of a multi phase meter	\$304.19	\$334.61	BCS 133	N/A

Existing Installation (cont.)

Category	Service Type	Service Description	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Whole current type 6 meter (manually read basic accumulation meter)	multi phase	Installation of a multi phase meter (includes off peak controlled load and import/export)	\$563.63	\$619.99	BCS 134	N/A

* Refer note 9.1.2 – Variations to the default service charge may include a combination of charges, (ie all charges will include a combination of a service provision charge and a metering provision charge).

Diagram 1.
Mains Side Over To Under Service

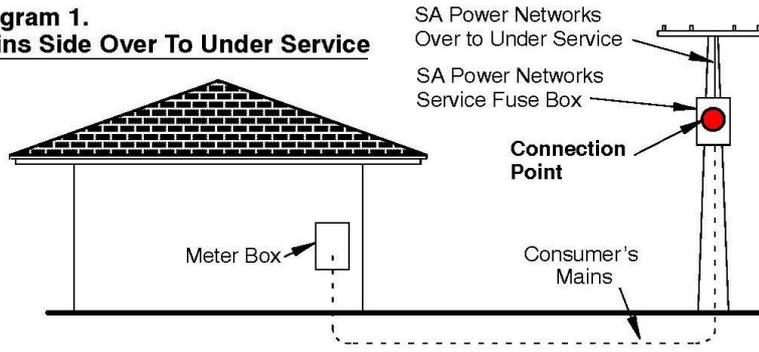


Diagram 1A.
Service Side Over To Under Service

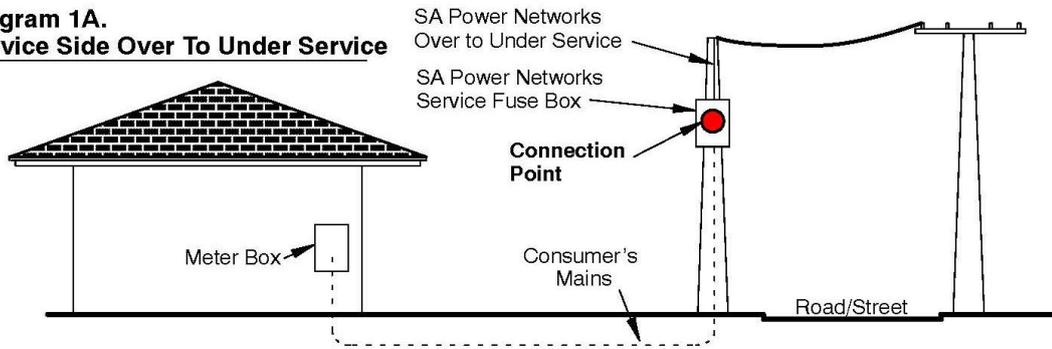
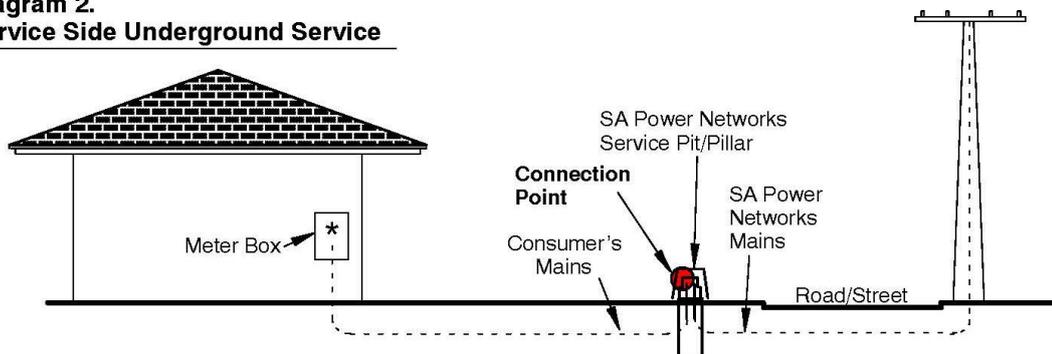
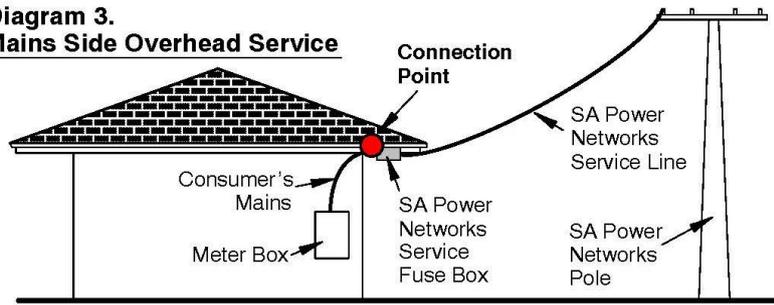


Diagram 2.
Service Side Underground Service

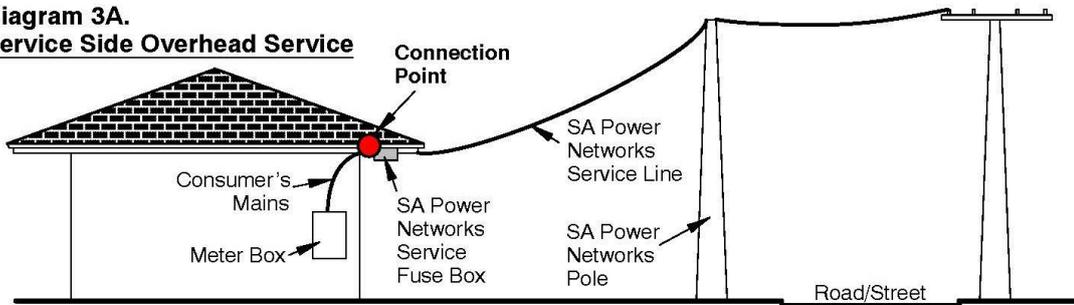


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**Diagram 3.
Mains Side Overhead Service**



**Diagram 3A.
Service Side Overhead Service**



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9.2 Negotiated Connection Services

9.2.1 Purpose

This section details the negotiated connection services provided to customers. A fee will normally be charged for the provision of an offer. This fee is deducted from the connection service charge and is non-refundable if you don't proceed with the connection.

9.2.2 Discussion

Negotiated connection services are all services that relate to a connection (or a proposed connection) between SA Power Networks distribution system and the customers premises but are not basic connection services as outlined in 9.1 above.

In relation to a negotiated connection service for a customers supply, SA Power Networks offer will be based on our most technically feasible and minimum cost option for our works to make the connection. Any requested work in excess of the most technically feasible option will be at the customer's expense.

The negotiated connection contract is SA Power Networks formal written offer and the associated terms and conditions. Note: this contract is separate to the ongoing customer connection contract which commences upon energisation.

From 1 July 2015, the payment schedule will be as follows:

- If customer contribution is \$5,000 (GST Exclusive) or less, then full payment will be required on acceptance of the offer.
- If customer contribution is greater than \$5,000 (GST Exclusive), then:
 - Full payment of the connection charge is required if construction will commence within three months of acceptance; or
 - Initial payment of 20% of the total costs on acceptance of offer plus pre-payment or any specialised or non-standard assets that need to be ordered, followed by the remainder one month prior to construction. Where construction is to be completed in stages, then the costs of each stage must be paid one month prior to construction of that stage.

Any variation to this must be approved by Manager Customer Solutions.

Negotiated Connection Services Indicative Price List

Negotiated Connection Services

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Installation of a service pit / pillar	Provision of a service to a new low voltage service pit/pillar that is located > 25 metres from the existing supply mains.		Full cost less Rebate (if applicable)	Full cost less Rebate (if applicable)	NCS 200	N/A
Installation of a service pole	Work to provide a supply by installing a low voltage stobie pole, >25m mains and service		Full cost less Rebate (if applicable)	Full cost less Rebate (if applicable)	NCS 201	N/A
1 Phase or multi phase 63Amp	Provision of one span of LV ABC Mains (>25m) and installation of an over to under service on a pole.	1 phase	Full cost less Rebate (if applicable)	Full cost less Rebate (if applicable)	NCS 202	NSC04
		Multi phase 63Amp	Full cost less Rebate (if applicable)	Full cost less Rebate (if applicable)	NCS 203	N/A
Flying service Not Modern Construction – requires Customer Solutions Manager approval.	Provision of a flying service where technically feasible in lieu of an over to under service on an existing stobie pole that is located up to 25 metres from the property boundary and the requested number of phases are available	1 phase or multi phase 63Amp	\$760.00	\$836.00	NCS 204	NSC08
Overhead service	Change from an existing over to under or underground service to an overhead service and the requested number of phases are available	1 phase 63Amp	Full cost	Full cost	NCS 205	N/A
		Multi phase 63Amp	Full cost	Full cost	NCS 206	N/A

9.3 Negotiated Distribution Services (Non Connection)

9.3.1 Purpose

This section details the negotiated distribution services provided to customers. A fee will normally be charged for these services and is non-deductable/non-refundable.

9.3.2 Discussion

Negotiated distribution services are all services that are not related to a connection (or proposed connection) between SA Power Networks distribution system and the customer's premises.

SA Power Networks charge will be based on the cost of the works to provide the service. The work (if over \$1,000), will not be undertaken until the necessary fee is paid by the customer. If the charges are less than \$1,000 payment will be charged at the completion of work.

The application of all connection and/or disconnection default fees are NMI based, and are applied to each and every NMI impacted by the work undertaken by SA Power Networks, irrespective of the number of service connection points to a property. Alterations and changes to specific metering types can only be provided where permitted under the National Electricity Rules and by the relevant market participants.

9.3.3 Pre-payment Metering

Pre-payment metering is not currently being offered by any retailer in the South Australian market. As a result prices relating to pre-payment metering will depend upon the future product being offered by a retailer.

Negotiated Distribution Services (Non Connection) Indicative Price List

Mains & Services

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Additional service 1 phase or multi phase	Provision of an additional service - SA Power Networks agreement required Augmentation may apply	Provision of an over to under, underground or overhead service	Full cost	Full cost	NDS 300	N/A
Permanent Removal of LV Supply (Abolishment)	Request from customer for the permanent abolishment of supply/NMI (May include removal of O/H service or disconnection of O/U or U/G service but not the removal of additional distribution assets i.e. poles and transformers		\$120.00	\$132.00	NDS 301	N/A
Temporary Disconnect and Reconnect for safety of customer or their contractor.	Requests for a temporary D/N & R/N of LV OH service, (<100A), requiring a line truck attendance		\$260.00	\$286.00	NDS 302	N/A
	Requests for a temporary D/N & R/N of LV service, (<100A), requiring a single person crew attendance		\$118.10	\$129.91	NDS 330	N/A
	Temporary isolation of customers LV supply, >100A capacity.		Full cost	Full cost	NDS 303	N/A

Metering Charges

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Charge for Meter Removal	Includes both single and multi phase meters e.g. removal of redundant Controlled Load tariff meter (Not permanent removal of supply or NMI)	First meter	\$86.00	\$94.60	NDS 304	RMFE
		Each additional meter	No charge	No charge	NDS 305	RMFA
Upgrade of meters	Request by a customer to change meters to Electronic meter e.g. to make room in a meter box for an RCD or extra. Equipment thereby avoiding the need to increase the size of the meter box or replace the board.	One single phase electronic meter	\$430.00	\$473.00	NDS 306	AAC05
		Cost per additional single phase electronic meter	\$273.00	\$300.30	NDS 307	AAC06
Meter Reconfiguration	On-site reconfiguration of meters in response to customer requests for changes to tariffs, two-rate meter settings or time clocks.	First meter	\$86.00	\$94.60	NDS 308	MRFE
		Each additional meter	No charge	No charge	NDS 309	MRFA
Install 2 Rate Meter	Installation of 2 rate metering at an existing installation with no Service work (e.g. Remove flat rate and install 2 rate only).	Previous tariff replaced by new business demand tariff, this charge removed, scoper apply BSC 120 (new installations) or BSC 128 (existing installations).	\$259.44	\$285.38	NDS 310	N/A
Import / Export Whole Current type 6 meter (manually read basic accumulation meter) where customer has multiphase controlled load.	Supply and install Basic Multi phase import/export metering equipment (type 6) at customer request - in normal time, where customer also has multiphase controlled load.	Multi phase dual register meter to measure import consumption against export and replace controlled load metering to suit	\$563.63	\$619.99	NDS 311	N/A

Metering Charges (cont.)

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Type 1-4 Type Meter Charges (Meter provision only excludes meter read fees).	Installation where reliable mobile telecommunications service is available		No charge	No charge	NDS 312	N/A
	Installation where reliable mobile telecommunications service is not available		Full cost	Full cost	NDS 313	N/A
	Annual Fee (Type 4 meter).	Charge per meter per annum	\$654.00	\$719.40	NDS 314	N/A
	Exit Fee where meter is removed within the first 12 months of installation.		\$1,090.00	\$1,199.00	NDS 315	N/A
	Annual Fee (Type 3 meter).		Full cost	Full cost	NDS 316	N/A
	Annual Fee (Type 2 meter).				NDS 317	N/A
	Annual Fee (Type 1 meter).				NDS 318	N/A
	Exit Fee - Applies to network customers with Type 1-4 (non-exceptional) meter where the meter is removed any time after the first 12 months of installation.	Charge per meter per exit transaction	\$600.00	\$660.00	NDS 319	N/A
Type 5 Meter - communications device	Installation of communications device for Type 5 CT connected and whole current meters (Where operational difficulties reasonably require the metering installation to be capable of remote acquisition)	New premise installation charge	\$63.00	\$69.30	NDS 324	N/A
		Existing premise installation charge	\$186.00	\$204.60	NDS 325	N/A
		Annual asset fee - this is in addition to the Type 5 Meter annual fee	\$365.00	\$401.50	NDS 326	N/A
		Exit fee for the communications device	\$186.00	\$204.60	NDS 327	N/A
Type 6 Meter Charges	Applies to large customers (>160MWh pa) having a Type 6 meter	Charge per meter per annum	\$238.00	\$261.80	NDS 328	N/A
	Exit Fee - Applies to large network customers with Type 6 meter churning to another meter provider	Charge per meter per exit transaction	\$269.00	\$295.90	NDS 329	N/A

Third Party Connection Works Charges

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Specification Fees	This covers the costs of work undertaken in preparing and issuing the specification including 1 site visit for customer extension works.	\$20 - \$85k project	\$1,780.00	\$1,958.00	NDS 340	N/A
		\$85 - \$150k project	\$2,950.00	\$3,245.00	NDS 341	N/A
		> \$150k project	Full cost	Full cost	NDS 342	N/A
Specification re-compliance	Resubmission of a design which previously did not satisfy the SA Power Networks spec.		Full cost	Full cost	NDS 343	N/A
Works/Design compliance	Works/design compliance of an asset to be vested by a customer/developer to SA Power Networks. This includes administration, design compliance against specification and vesting. Applies to contestable works such as RDs (real estate developments) and contestable connections where SA Power Networks is not the constructor of the extension works.		Full cost	Full cost	NDS 344	N/A
Works re-inspection for compliance	Re-inspection of an asset issued with a non-compliance notice, (including travelling time).	Minimum (up to 3 hours) normal time	\$305.00	\$335.50	NDS 345	N/A
		Hourly rate after 3 hrs normal time	\$99.00	\$108.90	NDS 346	N/A
		Hourly rate out of hours or part thereof	\$120.00	\$132.00	NDS 347	N/A
Network Infrastructure Connection Re-Appointment	When SA Power Networks is required to re-attend a Network Infrastructure Connection Appointment because the network connection could not be completed on the initial appointment as the infrastructure was incomplete, unsafe or inaccessible.		Full cost	Full cost	NDS 348	N/A

Third Party Connection Works Charges (cont.)

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Indicative Offer	This covers the costs of work undertaken in preparing and issuing an indicative estimate letter for customer projects. The indicative fee is non-refundable and non-deductible should the applicant proceed to a firm offer.	< 6 hours work	No charge	No charge	NDS 349	N/A
		> 6 hours work or part thereof	\$88.18/Hr	\$97.00/Hr	NDS 350	N/A
Firm Offer	This covers the costs of work undertaken in preparing and issuing an offer letter for customer projects. Firm offer is non-refundable but deductible from the final project amount should the connection proceed within the validity period of the first quote. For all subsequent quotes for the same project the initial fee will be non-deductible, each additional quote will be charged using the initial firm offer principles (i.e. non-refundable but deductible).	> \$20k < \$85k project	\$520.00	\$572.00	NDS 351	N/A
		\$85k - \$150k project	\$1,760.00	\$1,936.00	NDS 352	N/A
		> \$150k project	Full cost	Full cost	NDS 353	N/A

Miscellaneous Fees

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Monthly Meter Reading Fee (extra cost of monthly meter reading)	Daily Charge		\$0.129850/day	\$0.142834/day	NDS 354	N/A
Install pulsed output from existing SA Power Networks metering capable of this functionality (Existing metering may need to be changed for this functionality which will incur the relevant additional metering costs listed for Type 1-4 and Type 5 meters)	Customer requests a pulsed output from the meter for energy management or to display consumption in some form.	Annual charge	\$109.00	\$119.90	NDS 355	N/A
Charge for Meter Test	This charge applies when a customer requests a meter test due to high account or a suspected incorrect functioning PV installation and the SA Power Networks meter is not faulty.	Single phase	\$127.00	\$139.70	NDS 356	SPFE
		Each additional single phase meter	No charge	No charge	NDS 357	SPFA
		3 Phase Meter	\$127.00	\$139.70	NDS 358	MPFE
		Each additional multi phase meter	No charge	No charge	NDS 359	MPFA
Charge for Meter Test (where an appointment has been requested by the customer's retailer)	Charge only applicable when a customer requests a meter test due to high account or a suspected incorrect functioning PV installation and the SA Power Networks' meter is found not to be faulty.	Single phase	\$298.00	\$327.80	N/A	APTMT
		Each additional single phase meter	No charge	No charge	N/A	APTMT
		3 Phase Meter	\$298.00	\$327.80	N/A	APTMT
		Each additional multi phase meter	No charge	No charge	N/A	APTMT
Charge for PV Installation Enquiry	Charge applicable when customer requests SA Power Networks to attend a PV installation which is not functioning correctly and it is determined by the SA Power Networks personnel the problem is a result of the customer's PV installation being incorrectly set/malfunctioning.	Single phase Installation	\$127.00	\$139.70	NDS 360	SPFE
		3 phase Installation	\$127.00	\$139.70	NDS 362	MPFE

Miscellaneous Fees (cont.)

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Meter Inspection Fee	This charge applies when a physical inspection is requested due to suspected meter tampering, equipment damage or requested by customer or their retailer	First meter	\$33.00	\$36.30	NDS 364	MIFE
		Each additional meter	No charge	No charge	NDS 365	N/A
Meter Inspection Fee (where an appointment has been requested by the customer's retailer)	This charge applies when a physical inspection is requested due to suspected meter tampering, equipment damage or requested by customer or their retailer	First meter	\$168.00	\$184.80	N/A	APTIN
		Each additional meter	No charge	No charge	N/A	APTIN
Excess kVAr Incentive Charge	<p>The Excess kVAr Incentive Charge rate is applied to each excess kVAr required over and above the implied kVAr allowance provided in the South Australian Electricity Distribution Code to meet a customer's Agreed Maximum Demand based on their recorded power factor at the time of their Actual Maximum Demand. The charge is applied to customers currently assigned to a network demand tariff who are not code compliant with respect to power factor at the time of their Actual Maximum Demand requiring greater than 10kVAr of correction.</p> <p>The charge is reviewed annually after the completion of the maximum demand period and is invoiced monthly (i.e. the annual charge divided by 12) effective 1 July following the maximum demand period.</p> <p>Customers will cease being levied the charge once the site has become compliant by installation of power factor correction equipment or other measures deemed acceptable to SA Power Networks and have also notified SA Power Networks of the compliance.</p>	Rate applied per amount of excess kVAr	\$47.50/kVAr	\$52.25/kVAr	NDS 366	N/A

Miscellaneous Fees (cont.)

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Back up feeder charge	This charge is applied when a customer has two connection points supplying their site and full supply can be taken from either supply point	These charges are negotiated with the Major Customer Manager	Full cost	Full cost	NDS 367	N/A
Pole Relocation	Relocation of an existing electricity pole for a customer convenience		Full cost	Full cost	NDS 368	N/A
Service pit / pillar Relocation	Relocation of an existing electricity pit / pillar customer convenience		Full cost	Full cost	NDS 369	N/A
Service pit / pillar Raising/Lowering	Raise or lower a pit / pillar including a driveway pit. (Where pit was at satisfactory level when installed and vested to SA Power Networks). Price can vary dependent on crew travelling time.		Full cost	Full cost	NDS 370	N/A
Temporary covering (not full insulation) of LV Mains (excluding road crossings which will be estimated as required based on number of units and time).	Work to erect and remove 'Tiger Tails' from LV Mains. (NOTE: Price is for a 3 month period only and an additional charge(s) of the same amount will be applied for each subsequent 3 month period beyond the initial installation date until the tails are removed).	Normal Time	\$8.91 per unit (min fee \$121.09)	\$9.80 per unit (min fee \$133.2)	NDS 371	N/A
		Overtime	\$8.64 per unit plus \$605.45	\$9.80 per unit plus \$666.00	NDS 372	N/A
Location of underground mains at the request of a customer	Provision of plans from the office		No charge	No charge	NDS 373	N/A
	Site visit	Under 1 hour in Normal time	No charge	No charge	NDS 374	N/A
		Over 1 hour in Normal Time	\$102.00 Per hour or part thereof	\$112.20 Per hour or part thereof	NDS 375	N/A
		Out of Normal Time	\$148.00 Per hour or part thereof	\$162.80 Per hour or part thereof	NDS 376	N/A

Miscellaneous Fees (cont.)

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Asset Information Requests	Provision of asset information relating to condition, rating or available capacity to engineering consultants and electrical contractors and the supply of GIS information to customers or authorities	Less than 1hrs work - per request	\$81.00	\$89.10	NDS 377	N/A
		Over 1 hours work	Full cost	Full cost	NDS 378	N/A
	Confirmation of available equipment in ground level transformers where the door needs to be opened by a Customer Service Officer		\$131.00	\$144.10	NDS 379	N/A
Network Access Request	Organisation of switching requirements and field work to allow 3rd party access to de-energised assets.		Full cost plus \$264 for admin & billing	Full cost plus \$290.40 for admin & billing	NDS 380	N/A
Network Access Management Fee	Management of access request	Where under 1/2 day of planning required	\$261.00	\$287.10	NDS 381	N/A
Repeated Call Outs for Repairs to SA Power Networks equipment caused by the customer (not first call out)	Following notification of requirement to upgrade service size. Typically \$452 + GST for LV and \$803 + GST for HV fuses.	LV fuse	Full cost	Full cost	NDS 382	N/A
		HV fuse	Full cost	Full cost	NDS 383	N/A
Wasted Visit - Unscheduled (fault)	Wasted visit where not able to perform service due to customer or agent's fault.		\$158.00	\$173.80	NDS 384	N/A
'No-fault' attendance	Attendance at the customer's premises at the customer's or their agent's request, where it is determined that the fault was not related to SA Power Networks' equipment or infrastructure		\$158.00	\$173.80	NDS 420	N/A
Special Meter Reader Visit	A Special Meter Reading Visit occurs when a customer requests a check read or special read at a Service Provision.		\$12.15	\$13.37	NDS 386	SRFE
	A Special Meter Reading Visit occurs when a customer requests a check read or special read at a Service Provision after business hours.		\$74.00	\$81.40	NDS 387	N/A
	A Special Meter Reading visit which is subsequently cancelled.		\$12.15	\$13.37	NDS 388	N/A

Miscellaneous Fees (cont.)

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Subsequent Attempt to Read Meter	This relates to subsequent attempts to read a meter after a reasonable attempt has been made but has been unsuccessful due to access difficulties.		\$12.15	\$13.37	NDS 389	SUB
High Load Escorts	Assistance to a third party to transport a large vehicular load. Includes provision of labour and equipment to temporarily raise or remove mains to allow load to pass freely.	Hourly rate for administration & checking of route if over 1 hour	\$130.00	\$143.00	NDS 390	N/A
		Minimum Charge	No charge	No charge	NDS 391	N/A
Connection of Security Cameras NOTE: SA Power Networks pole rental extra, also energy tariff to retailer for unmetered supply	Security camera fitted to Stobie pole. Single connection (Multiple connections at the one location will incur additional costs)		\$219.00	\$240.90	NDS 392	N/A
	Security camera fitted to light column		\$496.00	\$545.60	NDS 393	N/A
Larceny of Supply - remedial work	Remedial costs where larceny or tampering of SA Power Networks equipment is established (does not include investigation)		Full cost	Full cost	NDS 394	N/A
Responsible Person as defined in NEM	Customers via their retailers may designate SA Power Networks in MSATS to be responsible for this role. If SA Power Networks choose to accept this role in MSATS then it would be implied that the customer / retailer will accept the annual charge	Annual fee charged monthly (Non Generator sites)	\$2,180.00	\$2,398.00	NDS 395	N/A
		Generator Sites	As Negotiated	As negotiated	NDS 424	N/A
Wasted Visit – Scheduled Customer Connection Appointment	Where SA Power Networks was unable to complete the scheduled connection or metering works due to the customers installation not being ready or compliant		\$158.00	\$173.80	NDS 396	N/A

Miscellaneous Fees (cont.)

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Late Cancellation of Connection Appointment	Where a connection appointment is cancelled within less than 2 full business days notice prior to the connection date by the customer or their agent.		\$79.00	\$86.90	NDS 397	N/A
Site inspection	A site inspection in order to determine the nature of the requested connection service	Allows 2 hours with travelling	\$219.00	\$240.90	NDS 398	N/A
Negotiation Fee	This fee covers the SA Power Networks Management costs when a customer elects to negotiate the Terms and Conditions of the On Going Connection Contract. The fee includes the cost of resources in the negotiation process. This is in addition to the offer letter fee	Minimum fee for up to 4 hours	\$394.77 plus \$98.73 per hour thereafter	\$434 plus \$108.60 per hour thereafter	NDS 399	N/A
Late payment fee	A late payment fee is charged for non payment of an invoice by the due date The late fee is for processing and sending a new invoice Further costs will be incurred if further debt recovery is required		\$68.00	\$74.80	NDS 400	N/A
Priority Appointment or Pre-arranged out of hours appointment for new connection or alteration of supply (fixed or anytime)	Provision of a priority connection at the customer's request. Work will be undertaken out of hours or during normal business hours in which case another job will be done after hours to accommodate the requested connection date. Note. When calculating the charge apply the appropriate dollar figure per person having to attend site. Example given below is for a Fixed Appointment time e.g. 2 Linesman being 2X\$350 = \$700 e.g. 1 Electrical Mechanic 1X\$350 = \$350 e.g. Combination 1 Mechanic & 2 Linesman 3X\$350 = \$1,050	Fixed appointment up to 3hrs (inc requests for specific time and weekends). Additional hours charged at the "no fixed appt." rate below	\$386.00 per person	\$424.60 per person	NDS 401	NSC15 / AAC09
		No fixed appointment – arranged next available time i.e. straight after last job	\$110.00 per person per hour	\$121.00 per person per hour	NDS 402	NSC16 / AAC10

Miscellaneous Fees (cont.)

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Fee for Reconnection and Disconnection (Retailer Fee)	Includes fee for disconnection and reconnection of supply	D/N at meter	\$34.00	\$37.40	NDS 403	DNFE
		R/C at meter	\$34.00	\$37.40	NDS 404	RCFE
		R/C at meter A/Hours	\$74.00	\$81.40	NDS 405	RCAH
	The fee for reconnection or disconnection at the meter assumes replacement or removal of the fuse at an existing supply point.	D/N at Pole	Full cost	Full cost	NDS 406	PDNFE
		R/C at Pole	Full cost	Full cost	NDS 407	PRCFE
		R/C at Pole A/Hours	Full cost	Full cost	NDS 408	PDNAH
Charge for swing and sag calculation	This will cover the cost of Project Management and the survey work undertaken in preparing and issuing a swing and sag calculation letter for the customer. This fee is non-refundable and non-deductible.		\$509.00	\$559.90	NDS 419	N/A
Third party funded network upgrades	Third party funded network upgrades, enhancement or other improvements including 'make ready' work for NBN Co.	No Facilities Access Agreement	Full cost	Full cost	NDS 421	N/A
		Facilities Access Agreement	As negotiated	As negotiated	NDS 423	N/A
Provision of energy consumption data	Provision of relevant regional energy consumption data to Local Government Councils		Full cost	Full cost	NDS 422	N/A

Public Lighting

Category	Service Description	Option	Price (GST Exclusive)	Price (GST Inclusive)	Fee Code	Retail Product Code
Temporary Public Lighting NB: SA Power Networks must notify Council's retailer.	Erection and removal of a second light on an existing lighting pole.	80W MV	\$244.00	\$268.40	NDS 409	N/A
		360W HPS	\$244.00	\$268.40	NDS 410	N/A
	Erection and removal of a light on an existing pole or column.	360W HPS	\$189.00	\$207.90	NDS 411	N/A
Night Security Lighting NB: Retailer authorisation must be sighted before connection.	Install a security light where requested, (includes future removal cost).	360W & 400W (HPS or MV)	\$388.00	\$426.80	NDS 412	N/A
		940W HPS & 1000W MV (no longer offered)	N/A	N/A	NDS 413	N/A
	Where a school requests light and agrees to retain it for a minimum 5 years.	360W HPS & 400W MV	\$120.00	\$132.00	NDS 414	N/A
Installation of an Aero screen	Conversion of existing fitting to reduce glare.		\$82.00 plus remaining SLUoS if less than 15 years old	\$90.20 plus remaining SLUoS if less than 15 years old	NDS 415	N/A
	New Installation.	80W MV, 50 HPS or 42W CF	\$86.00	\$94.60	NDS 416	N/A
Installation of Long Pipe Bracket	For installations after 1/7/05 an upfront capital contribution is in place of the ongoing tariff		\$539.00	\$592.90	NDS 417	N/A
Charge For Road Lighting Design Compliance To AS 1158 Assessment	This charge may be applied to a council which uses a service provider external to SA Power Networks to supply road lighting schemes/designs, which when constructed, will be vested to or installed on SA Power Networks plant, i.e. non CLER.	Per Hour	\$96.00	\$105.60	NDS 418	N/A

**Fees for Provision of Public Lighting
Street Lights**

Fee Code	Service	Option	Price (Excl. GST)	Price (Incl. GST)
PPL 501	SLUoS \$ pa	Fluorescent 20	\$91.60	\$100.76
PPL 502		Fluorescent 40	\$91.60	\$100.76
PPL 503		Compact Fluorescent 32	\$89.30	\$98.23
PPL 504		Compact Fluorescent 42	\$89.30	\$98.23
PPL 505		Fluor/Gas Tube 2x8	\$104.40	\$114.84
PPL 506		Fluorescent 2x20	\$104.40	\$114.84
PPL 507		Fluorescent 2x40	\$104.40	\$114.84
PPL 508		Fluorescent 4x40	\$104.40	\$114.84
PPL 509		Fluorescent 4x20	\$104.40	\$114.84
PPL 510		Fluorescent T5 X 2 tubes	\$82.20	\$90.42
PPL 511		Sodium 18 LP	\$82.80	\$91.08
PPL 512		Sodium 26 LP	\$82.80	\$91.08
PPL 513		Sodium 50 HP	\$88.90	\$97.79
PPL 514		Mercury 50	\$69.70	\$76.67
PPL 515		Mercury 70	\$80.80	\$88.88
PPL 516		Mercury 80	\$69.70	\$76.67
PPL 517		Incandescent 60	\$99.70	\$109.67
PPL 518		Incandescent 100	\$101.70	\$111.87
PPL 519		Metal Halide 50	\$113.10	\$124.41
PPL 520		Metal Halide 70	\$113.10	\$124.41
PPL 521		Metal Halide 100	\$113.10	\$124.41
PPL 522		Metal Halide 150	\$113.10	\$124.41
PPL 523		Metal Halide 250	\$108.70	\$119.57
PPL 524		Metal Halide 400	\$108.70	\$119.57
PPL 525	CLER (\$ pa):	Fluorescent 20	\$44.50	\$48.95
PPL 526		Fluorescent 40	\$44.50	\$48.95
PPL 527		Compact Fluorescent 32	\$37.80	\$41.58
PPL 528		Compact Fluorescent 42	\$37.80	\$41.58
PPL 529		Incandescent 100	\$62.70	\$68.97
PPL 530		Fluor/Gas Tube 2x8	\$50.50	\$55.55
PPL 531	CLER lights (\$ pa):	Fluorescent 2x20	\$50.50	\$55.55
PPL 532		Fluorescent 2x40	\$50.50	\$55.55
PPL 533		Fluorescent 4x40	\$50.50	\$55.55
PPL 534		Fluorescent 4x20	\$50.50	\$55.55
PPL 535		Fluorescent T5 X 2 tubes	\$30.00	\$33.00
PPL 536		Sodium 18 LP	\$52.60	\$57.86
PPL 537		Sodium 26 LP	\$52.60	\$57.86
PPL 538		Sodium 50 HP	\$32.20	\$35.42
PPL 539		Mercury 50	\$28.40	\$31.24
PPL 540		Mercury 70	\$28.40	\$31.24
PPL 541		Mercury 80	\$25.50	\$28.05

Fee Code	Service	Option	Price (Excl. GST)	Price (Incl. GST)
PPL 542	CLER lights (\$ pa):	Metal Halide 50	\$64.00	\$70.40
PPL 543		Metal Halide 70	\$64.00	\$70.40
PPL 544		Metal Halide 100	\$64.00	\$70.40
PPL 545		Metal Halide 150	\$64.00	\$70.40
PPL 546		Metal Halide 250	\$59.10	\$65.01
PPL 547		Metal Halide 400	\$59.10	\$65.01
PPL 548	Energy only (\$ pa):	Sodium 50 HP	\$6.90	\$7.59
PPL 549		LED Ribbon Flex Strip	\$6.90	\$7.59
PPL 550		Metal Halide 70	\$6.90	\$7.59
PPL 551		Metal Halide 150	\$6.90	\$7.59
PPL 552		RUUD LED 20x1.3W	\$6.90	\$7.59
PPL 553		RUUD LED 30x1.3W	\$6.90	\$7.59
PPL 554		Sodium 18	\$6.90	\$7.59

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Road Lights

Fee Code	Service Description	Option	Price (Excl. GST)	Price (Incl. GST)
PPL 555	SLUoS \$ pa:	Sodium 55 LP	\$106.90	\$117.59
PPL 556		Sodium 70 HP	\$96.90	\$106.59
PPL 557		Sodium 90 LP	\$96.90	\$106.59
PPL 558		Sodium 135 LP	\$97.70	\$107.47
PPL 559		Mercury 100	\$80.10	\$88.11
PPL 560		Mercury 125	\$80.10	\$88.11
PPL 561		Mercury 250	\$80.90	\$88.99
PPL 562		Mercury 400	\$82.50	\$90.75
PPL 563		Mercury 2x400	\$87.20	\$95.92
PPL 564		Mercury 3x125	\$95.90	\$105.49
PPL 565		Sodium 100 HP	\$100.20	\$110.22
PPL 566		Sodium 150 HP	\$84.90	\$93.39
PPL 567		Sodium 250 HP	\$89.30	\$98.23
PPL 568		Sodium 400 HP	\$91.20	\$100.32
PPL 569		CLER lights (\$ pa):	Sodium 55 LP	\$57.10
PPL 570	Sodium 70 HP		\$43.70	\$48.07
PPL 571	Sodium 90 LP		\$43.30	\$47.63
PPL 572	Sodium 135 LP		\$47.10	\$51.81
PPL 573	Mercury 100		\$27.60	\$30.36
PPL 574	Mercury 125		\$27.60	\$30.36
PPL 575	Mercury 250		\$28.60	\$31.46
PPL 576	Mercury 400		\$29.60	\$32.56
PPL 577	Mercury 2x400		\$34.70	\$38.17
PPL 578	Mercury 3x125		\$34.70	\$38.17
PPL 579	Sodium 100 HP		\$40.50	\$44.55
PPL 580	Sodium 150 HP		\$32.90	\$36.19
PPL 581	Sodium 250 HP		\$37.80	\$41.58
PPL 582	Sodium 400 HP		\$40.00	\$44.00
PPL 583	Energy only (\$ pa):	Sodium 100 HP	\$6.90	\$7.59

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Flood Lights

Fee Code	Service	Option	Price (Excl. GST)	Price (Incl. GST)	
PPL 584	(SLUoS \$ pa):	Mercury Flood 80	\$184.90	\$203.39	
PPL 585	Note: 940W HPS and 1000 MV are no longer available for new installations.	Mercury Flood 250	\$184.90	\$203.39	
PPL 586		Mercury Flood 400	\$184.90	\$203.39	
PPL 587		Mercury Flood 750	\$184.90	\$203.39	
PPL 588		Mercury Flood 1000	\$184.90	\$203.39	
PPL 589		Sodium Flood 360 HP	\$184.90	\$203.39	
PPL 590		Sodium Flood 400 HP	\$184.90	\$203.39	
PPL 591		Incandescent Flood 150	\$184.90	\$203.39	
PPL 592		Incandescent Flood 300	\$184.90	\$203.39	
PPL 593		Incandescent Flood 500	\$184.90	\$203.39	
PPL 594		Incandescent Flood 750	\$184.90	\$203.39	
PPL 595		Incandescent Flood 1000	\$184.90	\$203.39	
PPL 596		Incandescent Flood 1500	\$184.90	\$203.39	
PPL 597		CLER lights (\$ pa):	Mercury Flood 80	\$103.20	\$113.52
PPL 598		(Customer Lantern Energy Rate)	Mercury Flood 250	\$103.20	\$113.52
PPL 599	Mercury Flood 400		\$103.20	\$113.52	
PPL 600	Mercury Flood 750		\$103.20	\$113.52	
PPL 601	CLER lights (\$ pa):		Mercury Flood 1000	\$103.20	\$113.52
PPL 602	(Customer Lantern Energy Rate)	Sodium Flood 360 HP	\$103.20	\$113.52	
PPL 603		Sodium Flood 400 HP	\$103.20	\$113.52	
PPL 604		Incandescent Flood 150	\$103.20	\$113.52	
PPL 605		Incandescent Flood 300	\$103.20	\$113.52	
PPL 606		Incandescent Flood 500	\$103.20	\$113.52	
PPL 607		Incandescent Flood 750	\$103.20	\$113.52	
PPL 608		Incandescent Flood 1000	\$103.20	\$113.52	
PPL 609		Incandescent Flood 1500	\$103.20	\$113.52	
PPL 610		Other Items (\$ pa):	Long pipe	\$18.90	\$20.79
PPL 611	Closed Circuit Television		\$56.90	\$62.59	

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10. FEEDER CHARGES

10.1 Background to these charges

Some large customers have negotiated with SA Power Networks for the use of existing SA Power Networks assets to supply more reliability or access to a better tariff. These customers are aware of these negotiated charges that are increased by CPI annually on 1 July. The prices exclude GST.

Standby Feeder and Asset Charges 2015/16

\$ per month excl GST

NMI Number	Charge type	Monthly charge
2002108649	Standby Feeder Charge	\$1,660.00
2002108650	Standby Feeder Charge	\$790.00
2002147255	Standby Feeder Charge	\$20,950.00
SAAAAAA104	Standby Feeder Charge	\$17,300.00
SAAAAAA177	Standby Feeder Charge	\$9,700.00
SAAAAAA323	Standby Feeder Charge	\$7,790.00
SAAAAAA891	Standby Feeder Charge	\$5,110.00
SAAAAAB123	Standby Feeder Charge	\$2,790.00
2002174265	Standby Feeder Charge	\$14,110.00
SAAAAAC195	Standby Feeder Charge	\$2,460.00
SAAAAAB017	Standby Feeder Charge	\$7,250.00
SAAAAAA256	Standby Feeder Charge	\$23,480.00
2002106430	Dedicated Asset Charge	\$6,200.00
SAAAAAA022	Dedicated Feed Charge	\$19,980.00
SAAAAAA026	Dedicated Feed Charge	\$4,210.00
2002155381	Dedicated Feed Charge	\$9,760.00
2001000608	Dedicated Feed Charge	\$2,340.00
2002112609	Substation Charge	\$54,630.00

11. TARIFF SCHEDULE FOR 2015-16

The 2015-16 tariff schedule is provided on the following pages.

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SA Power Networks Network Tariffs - Residential							
APPLIES TO USAGE FROM 1 JULY 2015							
Customer Category	Units	Min Qty.	DUOS	TUOS	PV JSO	Total excl	Total incl
			excl GST	excl GST	excl GST	GST	GST
Low Voltage Residential - Single Rate							
Supply Rate	\$/day		0.2563		0.0441	0.3004	0.330440
Block 1 Usage Rate	\$/kWh	First 333.3 kWh/mth	0.0745	0.0300	0.0130	0.1175	0.129250
Block 2 Usage Rate	\$/kWh	Balance Usage	0.0990	0.0360	0.0173	0.1523	0.167530
Low Voltage Residential - Single Rate with Controlled Load							
Supply Rate	\$/day		0.2563		0.0441	0.3004	0.330440
Block 1 Usage Rate	\$/kWh	First 333.3 kWh/mth	0.0745	0.0300	0.0130	0.1175	0.129250
Block 2 Usage Rate	\$/kWh	Balance Usage	0.0990	0.0360	0.0173	0.1523	0.167530
Controlled Load Usage Rate	\$/kWh		0.0311	0.0175	0.0053	0.0539	0.059290
Low Voltage Residential - Actual Demand (monthly)							
Supply Rate	\$/day		0.0000			0.0000	0.000000
Summer Monthly Demand Rate	\$/kW/mth	min 1.5 KW	9.0600	2.8600	1.5600	13.4800	14.828000
Winter Monthly Demand Rate	\$/kW/mth	min 1.5 KW	4.5300	1.4300	0.7800	6.7400	7.414000
Additional Monthly Demand Rate	\$/kW/mth		0.0000	0.0000	0.0000	0.0000	0.000000
Usage Rate	\$/kWh		0.0483	0.0153	0.0083	0.0719	0.079090
Low Voltage Residential - Actual Demand with Controlled Load (monthly)							
Supply Rate	\$/day		0.0000			0.0000	0.000000
Summer Monthly Demand Rate	\$/kW/mth	min 1.5 KW	9.0600	2.8600	1.5600	13.4800	14.828000
Winter Monthly Demand Rate	\$/kW/mth	min 1.5 KW	4.5300	1.4300	0.7800	6.7400	7.414000
Additional Monthly Demand Rate	\$/kW/mth		0.0000	0.0000	0.0000	0.0000	0.000000
Usage Rate	\$/kWh		0.0483	0.0153	0.0083	0.0719	0.079090
Controlled Load Usage Rate	\$/kWh		0.0311	0.0175	0.0053	0.0539	0.059290
Low Voltage Residential - Actual Demand (per day)							
Supply Rate	\$/day		0.0000			0.0000	0.000000
Summer Monthly Demand Rate	\$/kW/day	min 1.5 KW	0.2980	0.0941	0.0513	0.4434	0.487740
Winter Monthly Demand Rate	\$/kW/day	min 1.5 KW	0.1482	0.0468	0.0255	0.2205	0.242550
Additional Monthly Demand Rate	\$/kW/day		0.0000	0.0000	0.0000	0.0000	0.000000
Usage Rate	\$/kWh		0.0483	0.0153	0.0083	0.0719	0.079090
Low Voltage Residential - Actual Demand with Controlled Load (per day)							
Supply Rate	\$/day		0.0000			0.0000	0.000000
Summer Monthly Demand Rate	\$/kW/day	min 1.5 KW	0.2980	0.0941	0.0513	0.4434	0.487740
Winter Monthly Demand Rate	\$/kW/day	min 1.5 KW	0.1482	0.0468	0.0255	0.2205	0.242550
Additional Monthly Demand Rate	\$/kW/day		0.0000	0.0000	0.0000	0.0000	0.000000
Usage Rate	\$/kWh		0.0483	0.0153	0.0083	0.0719	0.079090
Controlled Load Usage Rate	\$/kWh		0.0311	0.0175	0.0053	0.0539	0.059290

SA Power Networks Network Tariffs - Alternative Control Metering Services			
APPLIES TO USAGE FROM 1 JULY 2015			
Upfront capital charges for metering 2015/16 (excludes GST)			
2015/16 prices	Type 5	Type 6	
Single element meter	\$163.92	\$102.00	
Two element meter	\$235.02	\$259.44	
Three phase meter	\$404.13	\$304.19	
Annual Metering Charges on a per day basis (excludes GST) \$/day			
Metering Traiff	Non-capital only	Capital Only	Non-Capital and Capital
Type 1-4 'Exceptional' remotely read	\$0.3690	\$0.4814	\$0.8504
Type 5-6 CT connected manually read	\$0.2009	\$0.2620	\$0.4629
Type 5-6 WC manually read	\$0.0245	\$0.0320	\$0.0565
Other Relevant Metering Fees (Negotiated Services), excludes GST			
Metering Traiff	Non-capital only		
Additional Fee for Monthly Reading of Type 5-6 meter (\$/day excl GST)	\$0.12619		
For all other relevant fees, refer to the SA Power Networks' Tariff Manual			

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SA Power Networks Network Tariffs - Business LV							
APPLIES TO USAGE FROM 1 JULY 2015							
Customer Category	Units	Min Qty.	DUOS excl GST	TUOS excl GST	PV JSO excl GST	Total excl GST	Total incl GST
Low Voltage Unmetered Usage (Overnight Usage)							
Anytime Usage Rate	\$/kWh		0.0509	0.0133	0.0085	0.0727	0.079970
Low Voltage Unmetered Usage (24 Hour Usage)							
Anytime Usage Rate	\$/kWh		0.0509	0.0133	0.0085	0.0727	0.079970
Low Voltage Business - 2 Rate (<160 MWh only, controlled load might be used)							
Supply Rate	\$/day		0.2563		0.0441	0.3004	0.330440
Peak Usage Rate	\$/kWh		0.1130	0.0418	0.0190	0.1738	0.191180
Off-Peak Usage Rate	\$/kWh		0.0456	0.0179	0.0076	0.0711	0.078210
Controlled Load Usage Rate	\$/kWh		0.0311	0.0175	0.0053	0.0539	0.059290
Low Voltage Business - Single Rate (obsolete, <160 MWh only, controlled load might be used)							
Supply Rate	\$/day		0.2563		0.0441	0.3004	0.330440
Block 1 Usage Rate	\$/kWh	First 833.3 kWh/mth	0.0906	0.0306	0.0152	0.1364	0.150040
Block 2 Usage Rate	\$/kWh	Balance Usage	0.0967	0.0367	0.0162	0.1496	0.164560
Controlled Load Usage Rate	\$/kWh		0.0311	0.0175	0.0053	0.0539	0.059290
Low Voltage Controlled Load (obsolete, <160 MWh only)							
Controlled Load Usage Rate	\$/kWh		0.0311	0.0175	0.0053	0.0539	0.059290
Low Voltage Business - Actual Demand (monthly)							
Supply Rate	\$/day		0.0000			0.0000	0.000000
Summer Peak Monthly Demand Rate	\$/kVA/mth		10.1800	3.9400	1.7100	15.8300	17.413000
Year Shoulder Monthly Demand Rate	\$/kVA/mth		5.0900	1.9700	0.8500	7.9100	8.701000
Off-Peak Year Monthly Demand Rate	\$/kVA/mth		0.0000	0.0000	0.0000	0.0000	0.000000
Usage Rate	\$/kWh		0.0346	0.0136	0.0058	0.0540	0.059400
Low Voltage Business - Transition to Actual Demand (monthly)							
Supply Rate	\$/day		0.1794		0.0301	0.2095	0.230450
Summer Peak Monthly Demand Rate	\$/kVA/mth		3.0500	1.1800	0.5100	4.7400	5.214000
Year Shoulder Monthly Demand Rate	\$/kVA/mth		1.5300	0.5900	0.2600	2.3800	2.618000
Off-Peak Year Monthly Demand Rate	\$/kVA/mth		0.0000	0.0000	0.0000	0.0000	0.000000
Peak Usage Rate	\$/kWh		0.0895	0.0334	0.0150	0.1379	0.151690
Off-Peak Usage Rate	\$/kWh		0.0429	0.0166	0.0072	0.0667	0.073370
Low Voltage Business - Actual Demand (per day)							
Supply Rate	\$/day		0.0000			0.0000	0.000000
Summer Peak Monthly Demand Rate	\$/kVA/day		0.3408	0.1323	0.0563	0.5294	0.582340
Year Shoulder Monthly Demand Rate	\$/kVA/day		0.1698	0.0659	0.0279	0.2636	0.289960
Off-Peak Year Monthly Demand Rate	\$/kVA/day		0.0000	0.0000	0.0000	0.0000	0.000000
Usage Rate	\$/kWh		0.0346	0.0136	0.0058	0.0540	0.059400
Low Voltage Business - Transition to Actual Demand (per day)							
Supply Rate	\$/day		0.1794		0.0301	0.2095	0.230450
Summer Peak Monthly Demand Rate	\$/kVA/day		0.1021	0.0396	0.0168	0.1585	0.174350
Year Shoulder Monthly Demand Rate	\$/kVA/day		0.0510	0.0197	0.0085	0.0792	0.087120
Off-Peak Year Monthly Demand Rate	\$/kVA/day		0.0000	0.0000	0.0000	0.0000	0.000000
Peak Usage Rate	\$/kWh		0.0895	0.0334	0.0150	0.1379	0.151690
Off-Peak Usage Rate	\$/kWh		0.0429	0.0166	0.0072	0.0667	0.073370
Low Voltage Agreed Demand (KVA)							
Supply Rate	\$/day		9.8361		1.6499	11.4860	12.634600
Annual Block 1 Demand Rate	\$/kVA/mth	First 1000 KVA	6.1100	3.3200	1.0200	10.4500	11.495000
Annual Block 2 Demand Rate	\$/kVA/mth	Balance KVA	4.5800	3.3200	0.7700	8.6700	9.537000
Additional Demand	\$/kVA/mth		3.4600	0.0000	0.5800	4.0400	4.444000
Usage Rate	\$/kWh		0.0204	0.0091	0.0034	0.0329	0.036190
Low Voltage Sportsgrounds Agreed Demand (KVA)							
Supply Rate	\$/day		9.8361	0.0000	1.6499	11.4860	12.634600
Annual Block 1 Demand Rate	\$/kVA/mth	First 1000 KVA	6.1100	3.3200	1.0200	10.4500	11.495000
Annual Block 2 Demand Rate	\$/kVA/mth	Balance KVA	4.5800	3.3200	0.7700	8.6700	9.537000
Additional Demand	\$/kVA/mth		3.4600	0.0000	0.5800	4.0400	4.444000
Usage Rate	\$/kWh		0.0204	0.0091	0.0034	0.0329	0.036190
Low Voltage Business - Single Rate Transition (obsolete, large customer type 6 only, controlled load might be used)							
Supply Rate	\$/day		0.2563		0.0441	0.3004	0.330440
Block 1 Usage Rate	\$/kWh	First 833.3 kWh/mth	0.1161	0.0306	0.0195	0.1662	0.182820
Block 2 Usage Rate	\$/kWh	Balance Usage	0.1358	0.0367	0.0228	0.1953	0.214830
Controlled Load Usage Rate	\$/kWh		0.0311	0.0175	0.0053	0.0539	0.059290
Low Voltage Business - 2 Rate Transition (obsolete, large customer type 6 only, controlled load might be used)							
Supply Rate	\$/day		0.2563		0.0441	0.3004	0.330440
Peak Usage Rate	\$/kWh		0.1455	0.0418	0.0244	0.2117	0.232870
Off-Peak Usage Rate	\$/kWh		0.0456	0.0179	0.0076	0.0711	0.078210
Controlled Load Usage Rate	\$/kWh		0.0311	0.0175	0.0053	0.0539	0.059290

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SA Power Networks Network Tariffs - Business HV and Major							
APPLIES TO USAGE FROM 1 JULY 2015							
Customer Category	Units	Min Qty.	DUOS excl GST	TUOS excl GST	PV JSO excl GST	Total excl GST	Total incl GST
High Voltage Business - Actual Demand (kVA, monthly)							
Supply Rate	\$/day		0.0000			0.0000	0.000000
Summer Peak Monthly Demand Rate	\$/kVA/mth		10.1800	3.9400	1.7100	15.8300	17.413000
Year Shoulder Monthly Demand Rate	\$/kVA/mth		5.0900	1.9700	0.8500	7.9100	8.701000
Off-Peak Year Monthly Demand Rate	\$/kVA/mth		0.0000	0.0000	0.0000	0.0000	0.000000
Usage Rate	\$/kWh		0.0346	0.0136	0.0058	0.0540	0.059400
High Voltage Business - Actual Demand (kVA, per day)							
Supply Rate	\$/day		0.0000			0.0000	0.000000
Summer Peak Monthly Demand Rate	\$/kVA/day		0.3408	0.1323	0.0563	0.5294	0.582340
Year Shoulder Monthly Demand Rate	\$/kVA/day		0.1698	0.0659	0.0279	0.2636	0.289960
Off-Peak Year Monthly Demand Rate	\$/kVA/day		0.0000	0.0000	0.0000	0.0000	0.000000
Usage Rate	\$/kWh		0.0346	0.0136	0.0058	0.0540	0.059400
High Voltage Agreed Demand (KVA) < 400kVA							
Supply Rate	\$/day		9.8361		1.6499	11.4860	12.634600
Annual Demand Rate	\$/kVA/mth		6.1100	3.3200	1.0200	10.4500	11.495000
Additional Demand	\$/kVA/mth		3.4600	0.0000	0.5800	4.0400	4.444000
Usage Rate	\$/kWh		0.0204	0.0091	0.0034	0.0329	0.036190
High Voltage Agreed Demand (KVA)							
Supply Rate	\$/day		71.0383		11.9160	82.9543	91.249730
Annual Demand Rate	\$/kVA/mth		3.7700	3.3200	0.6300	7.7200	8.492000
Additional Demand	\$/kVA/mth		3.2100	0.0000	0.5400	3.7500	4.125000
Usage Rate	\$/kWh		0.0147	0.0091	0.0025	0.0263	0.028930
High Voltage Sportsgrounds Agreed Demand (KVA)							
Supply Rate	\$/day		9.8361		1.6499	11.4860	12.634600
Annual Block 1 Demand Rate	\$/kVA/mth	First 1000 KVA	6.1100	3.3200	1.0200	10.4500	11.495000
Annual Block 2 Demand Rate	\$/kVA/mth	Balance KVA	4.5800	3.3200	0.7700	8.6700	9.537000
Additional Demand	\$/kVA/mth		3.4600	0.0000	0.5800	4.0400	4.444000
Usage Rate	\$/kWh		0.0204	0.0091	0.0034	0.0329	0.036190
Zone Sub-station Agreed Demand (KVA) (Load <10MW and Consumption <40GWh pa)							
min 5,000 KVA Anytime							
Supply Rate	\$/day		0.0000		0.0000	0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		2.6500	3.3200	0.4400	6.4100	7.051000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0091	0.0011	0.0169	0.018590
Zone Sub-station Agreed Demand (KVA) Locational							
min 5,000 KVA Anytime							
TUoS Supply Charge	\$/day						
Supply Rate	\$/day		0.0000		0.0000	0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		2.6500	0.4400	0.4400	3.0900	3.399000
Additional Demand	\$/kVA/mth		2.6500	0.4400	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0011	0.0011	0.0078	0.008580
Sub-Transmission Agreed Demand (KVA) (Load <10MW and Consumption <40GWh pa)							
min 5,000 KVA Anytime							
Supply Rate	\$/day		0.0000		0.0000	0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		0.5600	3.3200	0.0900	3.9700	4.367000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0091	0.0003	0.0113	0.012430
Subtransmission Agreed Demand (KVA) Locational							
min 5,000 KVA Anytime							
TUoS Supply Charge	\$/day						
Supply Rate	\$/day		0.0000		0.0000	0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		0.5600	0.0900	0.0900	0.6500	0.715000
Additional Demand	\$/kVA/mth		0.5600	0.0900	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0003	0.0003	0.0022	0.002420

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SA Power Networks Network Tariffs - Major Business Locationally Priced							
APPLIES TO USAGE FROM 1 JULY 2015							
Customer Category	Units	Min Qty.	DUOS excl GST	TUOS excl GST	PV JSO excl GST	Total excl GST	Total incl GST
min 5,000 KVA Anytime							
Zone Substation Agreed Demand (KVA) Locationally Priced							
NMI							
TUoS Supply Charge	\$/day	2001000608	0.0000	8.0000	0.0000	8.0000	8.800000
Annual Demand Rate	\$/kVA/mth		2.6500	4.6000	0.4400	7.6900	8.459000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0000	0.0011	0.0078	0.008580
TUoS Supply Charge	\$/day	2002133131	0.0000	202.0000	0.0000	202.0000	222.200000
Annual Demand Rate	\$/kVA/mth		2.6500	4.5100	0.4400	7.6000	8.360000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0000	0.0011	0.0078	0.008580
TUoS Supply Charge	\$/day	SAAAAA021	0.0000	669.0000	0.0000	669.0000	735.900000
Annual Demand Rate	\$/kVA/mth		2.6500	6.3000	0.4400	9.3900	10.329000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0000	0.0011	0.0078	0.008580
TUoS Supply Charge	\$/day	SAAAAA022	0.0000	181.0000	0.0000	181.0000	199.100000
Annual Demand Rate	\$/kVA/mth		2.6500	4.5200	0.4400	7.6100	8.371000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0000	0.0011	0.0078	0.008580
TUoS Supply Charge	\$/day	SAAAAA024	0.0000	206.0000	0.0000	206.0000	226.600000
Annual Demand Rate	\$/kVA/mth		2.6500	4.5900	0.4400	7.6800	8.448000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0000	0.0011	0.0078	0.008580
TUoS Supply Charge	\$/day	SAAAAA026	0.0000	47.0000	0.0000	47.0000	51.700000
Annual Demand Rate	\$/kVA/mth		2.6500	4.6500	0.4400	7.7400	8.514000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0000	0.0011	0.0078	0.008580
TUoS Supply Charge	\$/day	SAAAAA035	0.0000	168.0000	0.0000	168.0000	184.800000
Annual Demand Rate	\$/kVA/mth		2.6500	6.2200	0.4400	9.3100	10.241000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0000	0.0011	0.0078	0.008580
TUoS Supply Charge	\$/day	SAAAAA438	0.0000	95.0000	0.0000	95.0000	104.500000
Annual Demand Rate	\$/kVA/mth		2.6500	4.6000	0.4400	7.6900	8.459000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0000	0.0011	0.0078	0.008580
min 5,000 KVA Anytime							
Sub-Transmission Agreed Demand (KVA) Locationally Priced							
NMI							
TUoS Supply Charge	\$/day	2001000378	0.0000	394.0000	0.0000	394.0000	433.400000
Annual Demand Rate	\$/kVA/mth		0.5600	5.7700	0.0900	6.4200	7.062000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0000	0.0003	0.0022	0.002420
TUoS Supply Charge	\$/day	2002112609	0.0000	3,329.0000	0.0000	3,329.0000	3,661.900000
Annual Demand Rate	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0000	0.0003	0.0022	0.002420
TUoS Supply Charge	\$/day	2002213788	0.0000	338.0000	0.0000	338.0000	371.800000
Annual Demand Rate	\$/kVA/mth		0.5600	1.0400	0.0900	1.6900	1.859000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0147	0.0003	0.0169	0.018590
TUoS Supply Charge	\$/day	2002213796	0.0000	0.0000	0.0000	0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0147	0.0003	0.0169	0.018590
TUoS Supply Charge	\$/day	2002216840	0.0000	120.0000	0.0000	120.0000	132.000000
Annual Demand Rate	\$/kVA/mth		0.5600	1.2400	0.0900	1.8900	2.079000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0147	0.0003	0.0169	0.018590
TUoS Supply Charge	\$/day	2002280161	0.0000	847.0000	0.0000	847.0000	931.700000
Annual Demand Rate	\$/kVA/mth		0.5600	1.2400	0.0900	1.8900	2.079000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0147	0.0003	0.0169	0.018590
TUoS Supply Charge	\$/day	2002257162	0.0000	82.0000	0.0000	82.0000	90.200000
Annual Demand Rate	\$/kVA/mth		0.5600	4.6900	0.0900	5.3400	5.874000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0147	0.0003	0.0169	0.018590
TUoS Supply Charge	\$/day	2002257164	0.0000	0.0000	0.0000	0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0147	0.0003	0.0169	0.018590
TUoS Supply Charge	\$/day	SAAAAA018	0.0000	627.0000	0.0000	627.0000	689.700000
Annual Demand Rate	\$/kVA/mth		0.5600	6.2600	0.0900	6.9100	7.601000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0000	0.0003	0.0022	0.002420
TUoS Supply Charge	\$/day	SAAAAA084	0.0000	1,034.0000	0.0000	1,034.0000	1,137.400000
Annual Demand Rate	\$/kVA/mth		0.5600	5.7700	0.0900	6.4200	7.062000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0000	0.0003	0.0022	0.002420
TUoS Supply Charge	\$/day	SAAAAA557	0.0000	218.0000	0.0000	218.0000	239.800000
Annual Demand Rate	\$/kVA/mth		0.5600	3.0900	0.0900	3.7400	4.114000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0147	0.0003	0.0169	0.018590

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SA Power Networks Network Tariffs - Business Negotiated Services incl Back-Up Supply							
APPLIES TO USAGE FROM 1 JULY 2015							
Customer Category	Units	Min Qty.	DUOS excl GST	TUOS excl GST	PV JSO excl GST	Total excl GST	Total incl GST
Low Voltage Business - Single Rate Negotiated Service							
Supply Rate	\$/day		0.2563		0.0441	0.3004	0.330440
Block 1 Usage Rate	\$/kWh	First 833.3 kWh/mth	0.0906	0.0306	0.0152	0.1364	0.150040
Block 2 Usage Rate	\$/kWh	Balance Usage	0.0967	0.0367	0.0162	0.1496	0.164560
Low Voltage Business - 2 Rate Negotiated Service							
Supply Rate	\$/day		0.2563		0.0441	0.3004	0.330440
Peak Usage Rate	\$/kWh		0.1130	0.0418	0.0190	0.1738	0.191180
Off-Peak Usage Rate	\$/kWh		0.0456	0.0179	0.0076	0.0711	0.078210
Low Voltage Agreed Demand (KVA) Negotiated Service							
Supply Rate	\$/day		9.8361		1.6499	11.4860	12.634600
Annual Block 1 Demand Rate	\$/kVA/mth	First 1000 KVA	6.1100	3.3200	1.0200	10.4500	11.495000
Annual Block 2 Demand Rate	\$/kVA/mth	Balance KVA	4.5800	3.3200	0.7700	8.6700	9.537000
Additional Demand	\$/kVA/mth		3.4600	0.0000	0.5800	4.0400	4.444000
Usage Rate	\$/kWh		0.0204	0.0091	0.0034	0.0329	0.036190
High Voltage Agreed Demand (KVA) Negotiated Services							
Supply Rate	\$/day		0.0000		0.0000	0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		3.7700	3.3200	0.6300	7.7200	8.492000
Additional Demand	\$/kVA/mth		3.2100	0.0000	0.5400	3.7500	4.125000
Usage Rate	\$/kWh		0.0147	0.0091	0.0025	0.0263	0.028930
Zone Sub-station Agreed Demand (KVA) Negotiated Services							
		min 5,000 KVA Anytime					
Supply Rate	\$/day		0.0000		0.0000	0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		2.6500	3.3200	0.4400	6.4100	7.051000
Additional Demand	\$/kVA/mth		2.6500	0.0000	0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0091	0.0011	0.0169	0.018590
Sub-Transmission Agreed Demand (KVA) Negotiated Services							
		min 5,000 KVA Anytime					
Supply Rate	\$/day		0.0000		0.0000	0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		0.5600	3.3200	0.0900	3.9700	4.367000
Additional Demand	\$/kVA/mth		0.5600	0.0000	0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0091	0.0003	0.0113	0.012430
Low Voltage Agreed Demand (KVA) Back-Up Negotiated Service							
Supply Rate	\$/day		9.8361		1.6499	11.4860	12.634600
Annual Block 1 Demand Rate	\$/kVA/mth	First 1000 KVA	3.4600		0.5800	4.0400	4.444000
Annual Block 2 Demand Rate	\$/kVA/mth	Balance KVA	3.4600		0.5800	4.0400	4.444000
Additional Demand	\$/kVA/mth		3.4600		0.5800	4.0400	4.444000
Usage Rate	\$/kWh		0.0204	0.0091	0.0034	0.0329	0.036190
High Voltage Agreed Demand (KVA) Back-Up Negotiated Services							
Supply Rate	\$/day					0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		3.2100		0.5400	3.7500	4.125000
Additional Demand	\$/kVA/mth		3.2100		0.5400	3.7500	4.125000
Usage Rate	\$/kWh		0.0147	0.0091	0.0025	0.0263	0.028930
Zone Sub-station Agreed Demand (KVA) Back-Up Negotiated Services							
		min 5,000 KVA Anytime					
Supply Rate	\$/day					0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		2.6500		0.4400	3.0900	3.399000
Additional Demand	\$/kVA/mth		2.6500		0.4400	3.0900	3.399000
Usage Rate	\$/kWh		0.0067	0.0091	0.0011	0.0169	0.018590
Sub-Transmission Agreed Demand (KVA) Back-Up Negotiated Services							
		min 5,000 KVA Anytime					
Supply Rate	\$/day					0.0000	0.000000
Annual Demand Rate	\$/kVA/mth		0.5600		0.0900	0.6500	0.715000
Additional Demand	\$/kVA/mth		0.5600		0.0900	0.6500	0.715000
Usage Rate	\$/kWh		0.0019	0.0091	0.0003	0.0113	0.012430

11.1 Back-up Supply Tariffs

These tariffs are only available for sites with more than one National Market Meter Identifier where the second NMI is for a back up supply to the site on a stepped demand tariff. Typically these sites are customers with greater than 4MVA demands and for critical infrastructure; eg Water assets, Hospitals, telecommunications sites or data centre’s. These tariffs recognise that the primary NMI demand charges are contributing to the transmission costs for the site. The back up NMI’s are charging for the demand at the Distribution Use of System charge and the energy component of the tariff is equal to the primary NMI tariff rates.

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12. Notes Accompanying 2015/16 Tariffs

Notes:

1. Network tariffs are determined on a GST exclusive basis. GST is added to the distribution tariffs.
2. SA Power Networks must assign each Distribution Network User to a distribution tariff in respect of each of its connection points in accordance with the following principles.

Use of Cost-Reflective Tariffs (demand based)

- (a) A Distribution Network User that connected to or altered the supply arrangements with the Distribution Network from 1 July 2010 and requiring more than 100 amps (70 kVA) supply must be assigned to a distribution network tariff that includes a demand component in respect of that connection point.
- (b) A Distribution Network User connected to the Distribution Network that has a maximum demand of 250 kVA or more in respect of a connection point, must be assigned to a distribution tariff that includes a demand component in respect of that connection point.
- (c) From 1 July 2015, a Distribution Network User connected to the Distribution Network that would qualify as a large customer (annual usage of 160 MWh or more) must be assigned to a distribution network tariff that includes a demand component in respect of that connection point. If the customer has a type 6 meter, then a transition business single-rate or transition business 2-rate tariff must be used until a Type 1-5 meter is installed.
- (d) A new Distribution Network User connecting or an existing Distribution Network User altering the supply arrangements to the Distribution Network from 1 July 2015 and requiring multi-phase supply must be assigned to a distribution network tariff that includes a demand component in respect of that connection point. A Type 1-5 meter is required at such sites. Customers should note that where they choose to have a Type 1-4 meter, they have the right to exercise choice regarding their metering service provider. Installation of a type 1-5 meter by itself is not an alteration to supply, but installation of an inverter, eg for Solar PV Equipment or Battery Storage, is an alteration to supply.

Specific Tariff Requirements

- (e) A Sub-Transmission (kVA) Demand customer is a Distribution Network User taking supply at 66 kV, or at 33 kV outside of the Adelaide Metropolitan area. A minimum anytime maximum demand of 5 MVA applies to the agreed demand tariff. A NEM compliant type 1-4 interval meter is required with the ability to measure both active and reactive power. Customers should note that they have the right to exercise choice regarding their Type 1-4 meter metering service provider. Customers using more than 10 MW and/or 40 GWh pa are required to have a locationally determined transmission price. These tariffs are invoiced monthly.
- (f) A Zone Substation (kVA) Demand customer is a Distribution Network User taking supply generally at 11kV from the low voltage transformer terminals. Supply may also be taken at lower voltages that exceed 1 kV. A minimum anytime maximum demand of 5 MVA applies to the agreed demand tariff. A NEM compliant type 1-4 interval meter is required with the ability to measure both active and reactive power. Customers should note that they have the right to exercise choice regarding their Type 1-4 meter metering service provider. Customers using more than 10 MW and/or 40 GWh pa are required to have a locationally determined transmission price. These tariffs are invoiced monthly.
- (g) A High Voltage (kVA) Demand customer is a Distribution Network User taking supply generally at 11 kV. Supply may also be taken at lower voltages that exceed 1 kV or at 33 kV in metropolitan Adelaide.. A NEM compliant type 1-4 interval meter is required with the ability to measure both active and reactive power. Customers should note that they have the right to exercise choice regarding their Type 1-4 meter metering service provider. The customer may elect to use the HV agreed demand tariff, the HV actual demand tariff or the HV <400 kVA agreed demand tariff. These tariffs are invoiced monthly.
- (h) A High Voltage Sports Ground (kVA) Demand customer is a Distribution Network User taking supply generally at 11 kV that utilizes a significant quantity of sportsground floodlighting. Supply

may also be taken at lower voltages that exceed 1 kV or at 33 kV in metropolitan Adelaide. The time periods when the demand is measured are set out in 4 (c) below. A NEM compliant type 1-4 interval meter is required with the ability to measure both active and reactive power. Customers should note that they have the right to exercise choice regarding their Type 1-4 meter metering service provider. The customer may elect to use the tariff options available under 4 (g) above. These tariffs are invoiced monthly.

- (i) A Low Voltage (kVA) Demand customer is a Distribution Network User generally taking supply at less than 1 kV and generally from the low voltage distribution transformer terminals. A NEM compliant type 1-5 interval meter is required with the ability to measure both active and reactive power. The customer may elect to use the LV agreed demand tariff, the LV actual demand tariff or, if SA Power networks has assigned the customer to it, the LV transition actual demand tariff. These tariffs are typically invoiced monthly. Customers with type 5 meters using the actual demand tariff options may elect to use quarterly billing. Customers should note that where they choose to have a Type 1-4 meter, they have the right to exercise choice regarding their metering service provider. There is also an option for the actual demand to be levied on a 'per day' basis rather than a 'per month' basis, but the actual demand is always measured as the maximum since the previous meter reading (for type 1-4 meters, a calendar month read is assumed). Note that this is also an optional tariff for small customers not covered by 2 (a)-(d) above. An optional small customer may elect to switch to another tariff after 12 months on this tariff.
- (j) A Low Voltage Sports Ground (kVA) Agreed Demand customer is a Distribution Network User generally taking supply generally at less than 1 kV with a kVA demand and generally from the low voltage distribution transformer terminals that utilizes a significant quantity of sportsground floodlighting. The time periods when the demand is measured are set out in 4 (c) below. A NEM compliant type 1-5 interval meter is required with the ability to measure both active and reactive power. Customers should note that where they choose to have a Type 1-4 meter, they have the right to exercise choice regarding their metering service provider. The customer may elect to use the tariff options available under 4 (i) above. These tariffs are invoiced monthly.
- (k) A Low Voltage Business 2 rate customer is a Distribution Network User that is not a residential customer generally taking supply at less than 1 kV and using peak and off-peak network charges. The User utilises a type 1-6 NEM compliant meter. Where a Type 1-5 meter is utilised, the meter must have the ability to measure both active and reactive power. Peak consumption is charged at a flat rate as is Off Peak consumption. Customers should note that where they choose to have a Type 1-4 meter, they have the right to exercise choice regarding their metering service provider. This tariff is not available to Distribution Network Users required to use a demand based tariff (see 2 (a) to 2 (d)) although a separate transition business 2-rate tariff is available for large customers with type 6 metering. This tariff is invoiced monthly or quarterly.
- (l) A Low Voltage Business single rate customer is a Distribution Network User that is not a residential customer generally taking supply at less than 1 kV. Consumption is charged at two blocks of consumption and is detailed in the Tariff Schedule. The User utilises a type 1-6 NEM compliant meter. Where a Type 1-5 meter is utilised, the meter must have the ability to measure both active and reactive power. Customers should note that where they choose to have a Type 1-4 meter, they have the right to exercise choice regarding their metering service provider. This tariff is available only to Distribution Network Users that were taking supply under this tariff as at 30 June 2010 and where the customer's supply arrangements have not altered. This tariff is not available to Distribution Network Users required to use a demand based tariff (see 2 (a) to 2 (d)) although a separate transition business single-rate tariff is available for large customers with type 6 metering. This tariff is invoiced monthly or quarterly.
- (m) A Low Voltage Residential single rate customer is a Distribution Network User that is a residential customer taking supply at less than 1 kV. Consumption is charged at two blocks of consumption and is detailed in the Tariff Schedule. The User utilises a type 1-6 NEM compliant meter. Where a Type 1-5 meter is utilised, the meter must have the ability to measure both active and reactive power. Customers should note that where they choose to have a Type 1-4 meter, they have the right to exercise choice regarding their metering service provider. This tariff is invoiced monthly or quarterly.
- (n) A Low Voltage Residential monthly demand customer is a Distribution Network User that is a residential customer taking supply at less than 1 kV. Consumption is charged at a flat rate. A charge also applies for the maximum demand each month with different prices applying in the peak summer months (November to March) and the shoulder winter months (April to October), as detailed in the Tariff Schedule. The time period when the monthly peak demand is measured is

between 1600 and 2100 local SA time. The User utilises a type 1-5 NEM compliant meter read monthly. Customers with type 5 meters using the actual demand tariff options may elect to use quarterly billing. Customers should note that where they choose to have a Type 1-4 meter, they have the right to exercise choice regarding their metering service provider. There is also an option for the actual demand to be levied on a 'per day' basis rather than a 'per month' basis, but the actual demand is always measured as the maximum since the previous meter reading (for type 1-4 meters, a calendar month read is assumed).. Note that this is an optional tariff and is invoiced either monthly or quarterly. A customer may elect to switch to another tariff after 12 months on this tariff.

- (o) A Low Voltage Controlled Load is used by a Distribution Network User for permanently installed storage water heaters with a rated delivery of not less than 125 litres, storage space heaters and other approved applications involving a time switch and separate metering where the timing has been set in accordance with SA Power Networks' requirements regarding the timing of loads. Consumption is charged at a flat rate. This tariff is available only to Distribution Network Users that were taking supply under the Controlled Load tariff as at 30 June 2003, or are utilising a business single or residential tariff at the NMI in conjunction with the controlled load. This tariff is invoiced at the same frequency as other tariffs used by the Distribution Network User at that NMI. Customers may apply to SA Power Networks and pay a fee to have the time switches amended to include use under this tariff during 1000 and 1500 Central Standard Time.
 - (p) Unmetered Overnight Usage supply is defined as overnight use by a Distribution Network User for public lighting. These tariffs are generally invoiced monthly, unless otherwise agreed by SA Power Networks.
 - (q) Unmetered 24 Hour Usage supply is defined as constant 24 hour per day use by a Distribution Network User, typically public phones, traffic lights and telecommunications installations. These tariffs are generally invoiced monthly, unless otherwise agreed by SA Power Networks.
3. The supply and demand charges are levied and billed to Distribution Network Users periodically on a pro-rata basis.
4. Agreed Demand charges for business customers are determined on the basis of the maximum half-hour trading interval for::
- a. Agreed Maximum Demand (Annual Peak Demand) on workdays between 1200 and 2100 CDST during November to March only;
 - b. Agreed additional maximum demand (Additional Demand), as the difference between the customer's anytime maximum demand and the agreed maximum demand;
 - c. For business customers on the Sports Ground demand kVA tariff, the Agreed Peak Demand shall be determined between 1200 and 1900 CDST during December to February only. Additional Demand shall be determined using all other times of the year.
5. Actual Demand charges for business customers are determined on the basis of the maximum half-hour trading interval since the last meter read (type 1-4 meters are assumed to be read each calendar month) for:
- a. Summer Peak Demand on work days between 1600 and 2100 CDST during November to March only;
 - b. Year-round Shoulder Demand on work days between 1200 and 1600 CST or (when operating) CDST);
 - c. Off-peak Demand at all other times (the price is zero for actual off-peak demand).
6. Actual Demand charges for residential customers are determined on the basis of the maximum half-hour trading interval since the last meter read (type 1-4 meters are assumed to be read each calendar month) for:
- a. Summer Peak Demand on all days between 1600 and 2100 CDST during November to March only;
 - b. Winter Shoulder Demand on all days between 1600 and 2100 CST or (when operating) CDST);

c. Off-peak Demand at all other times (the price is zero for actual off-peak demand).

6. Peak energy is energy consumed on business days between the hours of 0700 and 2100 Central Standard Time. Type 6 meters typically measure this for week days whereas Type 1-5 meters will measure this in on work days. For Distribution Network Users with Type 6 metering that does not recognize specific days, peak energy is energy consumed on each day between the hours of 0700 and 2100 (Central Standard Time).

7. Off-peak energy is energy consumed other than peak energy.

8. For monthly energy blocks still in use in 2015/16,

- (a) 333.3 kWh/mth approximates 4,000 kWh per annum (residential tariffs); and
- (b) 833.3 kWh/mth approximates 10,000 kWh per annum (business single-rate tariffs).

9. The Alternative Control metering charges have been included in the tariff schedule. Specific charges are made for each customer according to the type of meter used and whether capital and/or non-capital charges apply. Customers should note that where they choose to have a Type 1-4 meter, they have the right to exercise choice regarding their metering service provider.

In previous years, we have bundled the alternative control metering charges in with the standard control tariffs. In 2015/16, the metering charges are unbundled.

If a customer is using another meter provider's meter, then the non-capital charges will not apply. If that customer was using a regulated meter at 30 June 2015 then the capital charges still apply. If that customer was not using a regulated meter at 30 June 2015 then the capital charges will not apply.

For customers who connect to SA Power Networks from 1 July 2015 and elect to use an SA Power network's type 5,6 meter, an ongoing non-capital charge will apply as well as the upfront capital payment (see tariff schedule). Customers should note that where they choose to have a Type 1-4 meter, they have the right to exercise choice regarding their metering service provider.

Capital charges continue to apply to customers using type 5,6 WC and CT meters and to Type 1-4 Exceptional meters where customers elect to switch to another meter type and/or meter provider from 1 July 2015. Under the AER's Preliminary Decision These charges continue to June 2020.

10. The Agreed Demand Tariffs have been specified in this tariff schedule as having the agreed kVA demand amount applied on a per month basis. Where these tariffs are applied on a per day basis, the charge shall comprise the amount determined by allowing for 12 months and 366 days in the year, ie the daily amount will be 12 / 366 times the monthly amount (about 3.2787% of the monthly amount).

13. TARIFF MAPPING

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
15 Business 2 Rate	Supply Charge	0	0	999999999	0.3004
15 Business 2 Rate	Peak Use	0	0	999999999	0.1738
15 Business 2 Rate	Off Peak Use	0	0	999999999	0.0711
15 Business 2 Rate	Meter Reading Charge	0	0	0	0.12619
15 Business 2 Rate	Meter Reading Charge	0	0	0	0
15 Business 2 Rate	Metering Charges	0	0	0	0.369
15 Business 2 Rate	Metering Charges	0	0	0	0.0245
15 Business 2 Rate	Metering Charges	0	0	0	0.2009
15 Business 2 Rate	Metering Charges	0	0	0	0.4814
15 Business 2 Rate	Metering Charges	0	0	0	0.032
15 Business 2 Rate	Metering Charges	0	0	0	0.262
15 Business 2 Rate	Supply Charge	0	0	999999999	0.3004
15 Business 2 Rate	Peak Use	0	0	999999999	0.1738
15 Business 2 Rate	Off Peak Use	0	0	999999999	0.0711
15 Business 2 Rate	Meter Reading Charge	0	0	0	0.12619
15 Business 2 Rate	Meter Reading Charge	0	0	0	0
15 Business 2 Rate	Metering Charges	0	0	0	0.369
15 Business 2 Rate	Metering Charges	0	0	0	0.0245
15 Business 2 Rate	Metering Charges	0	0	0	0.2009
15 Business 2 Rate	Metering Charges	0	0	0	0.4814
15 Business 2 Rate	Metering Charges	0	0	0	0.032
15 Business 2 Rate	Metering Charges	0	0	0	0.262
15 Business 2 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
15 Business 2 Rate & Cntl Load	Peak Use	0	0	999999999	0.1738
15 Business 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0711
15 Business 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
15 Business 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.369
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.0245
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.2009
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.4814
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.032
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.262
15 Business 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
15 Business 2 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
15 Business 2 Rate & Cntl Load	Peak Use	0	0	999999999	0.1738
15 Business 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0711
15 Business 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
Load					
15 Business 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
15 Business 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.369
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.0245
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.2009
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.4814
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.032
15 Business 2 Rate & Cntl Load	Metering Charges	0	0	0	0.262
15 Business 2 Rate (Transition)	Supply Charge	0	0	999999999	0.3004
15 Business 2 Rate (Transition)	Peak Use	0	0	999999999	0.2117
15 Business 2 Rate (Transition)	Off Peak Use	0	0	999999999	0.0711
15 Business 2 Rate (Transition)	Meter Reading Charge	0	0	0	0.12619
15 Business 2 Rate (Transition)	Meter Reading Charge	0	0	0	0
15 Business 2 Rate (Transition)	Metering Charges	0	0	0	0.369
15 Business 2 Rate (Transition)	Metering Charges	0	0	0	0.0245
15 Business 2 Rate (Transition)	Metering Charges	0	0	0	0.2009
15 Business 2 Rate (Transition)	Metering Charges	0	0	0	0.4814
15 Business 2 Rate (Transition)	Metering Charges	0	0	0	0.032
15 Business 2 Rate (Transition)	Metering Charges	0	0	0	0.262
15 Business 2 Rate & Cntl Load (Trans)	Supply Charge	0	0	999999999	0.3004
15 Business 2 Rate & Cntl Load (Trans)	Peak Use	0	0	999999999	0.2117
15 Business 2 Rate & Cntl Load (Trans)	Off Peak Use	0	0	999999999	0.0711
15 Business 2 Rate & Cntl Load (Trans)	Off Peak Use	0	0	999999999	0.0539
15 Business 2 Rate & Cntl Load (Trans)	Meter Reading Charge	0	0	0	0.12619
15 Business 2 Rate & Cntl Load (Trans)	Meter Reading Charge	0	0	0	0
15 Business 2 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.369
15 Business 2 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.0245
15 Business 2 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.2009
15 Business 2 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.4814
15 Business 2 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.032

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
Load (Trans)					
15 Business 2 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.262
15 Business Demand	Supply Charge	0	0	999999999	0
15 Business Demand	Demand	0	0	999999999	0.5294
15 Business Demand	Demand	0	0	999999999	0.2636
15 Business Demand	Demand	0	0	999999999	0
15 Business Demand	Peak Use	0	0	999999999	0.054
15 Business Demand	Supply Charge	0	0	999999999	0
15 Business Demand	Demand	0	0	999999999	0
15 Business Demand	Demand	0	0	999999999	0.2636
15 Business Demand	Demand	0	0	999999999	0
15 Business Demand	Peak Use	0	0	999999999	0.054
15 Business Demand	Meter Reading Charge	0	0	0	0.12619
15 Business Demand	Meter Reading Charge	0	0	0	0
15 Business Demand	Metering Charges	0	0	0	0.369
15 Business Demand	Metering Charges	0	0	0	0.0245
15 Business Demand	Metering Charges	0	0	0	0.2009
15 Business Demand	Metering Charges	0	0	0	0.4814
15 Business Demand	Metering Charges	0	0	0	0.032
15 Business Demand	Metering Charges	0	0	0	0.262
15 Business Demand	Meter Reading Charge	0	0	0	0.12619
15 Business Demand	Meter Reading Charge	0	0	0	0
15 Business Demand	Metering Charges	0	0	0	0.369
15 Business Demand	Metering Charges	0	0	0	0.0245
15 Business Demand	Metering Charges	0	0	0	0.2009
15 Business Demand	Metering Charges	0	0	0	0.4814
15 Business Demand	Metering Charges	0	0	0	0.032
15 Business Demand	Metering Charges	0	0	0	0.262
15 Business Demand (Transition)	Supply Charge	0	0	999999999	0.2095
15 Business Demand (Transition)	Demand	0	0	999999999	0.1585
15 Business Demand (Transition)	Demand	0	0	999999999	0.0792
15 Business Demand (Transition)	Demand	0	0	999999999	0
15 Business Demand (Transition)	Peak Use	0	0	999999999	0.1379
15 Business Demand (Transition)	Supply Charge	0	0	999999999	0.2095
15 Business Demand (Transition)	Demand	0	0	999999999	0
15 Business Demand (Transition)	Demand	0	0	999999999	0.0792
15 Business Demand (Transition)	Demand	0	0	999999999	0
15 Business Demand (Transition)	Peak Use	0	0	999999999	0.1379
15 Business Demand (Transition)	Meter Reading Charge	0	0	0	0.12619
15 Business Demand (Transition)	Meter Reading Charge	0	0	0	0
15 Business Demand (Transition)	Metering Charges	0	0	0	0.4814

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
15 Business Demand (Transition)	Metering Charges	0	0	0	0.032
15 Business Demand (Transition)	Metering Charges	0	0	0	0.262
15 Business Demand (Transition)	Metering Charges	0	0	0	0.369
15 Business Demand (Transition)	Metering Charges	0	0	0	0.0245
15 Business Demand (Transition)	Metering Charges	0	0	0	0.2009
15 Business Demand (Transition)	Meter Reading Charge	0	0	0	0.12619
15 Business Demand (Transition)	Meter Reading Charge	0	0	0	0
15 Business Demand (Transition)	Off Peak Use	0	0	999999999	0.0667
15 Business Demand (Transition)	Metering Charges	0	0	0	0.4814
15 Business Demand (Transition)	Metering Charges	0	0	0	0.032
15 Business Demand (Transition)	Metering Charges	0	0	0	0.262
15 Business Demand (Transition)	Metering Charges	0	0	0	0.369
15 Business Demand (Transition)	Metering Charges	0	0	0	0.0245
15 Business Demand (Transition)	Metering Charges	0	0	0	0.2009
15 Business Demand (Transition)	Off Peak Use	0	0	999999999	0.0667
15 Business 1 Rate (Transition)	Supply Charge	0	0	999999999	0.3004
15 Business 1 Rate (Transition)	Peak Use	0	0	27.3213	0.1662
15 Business 1 Rate (Transition)	Peak Use	0	0	999999999	0.1953
15 Business 1 Rate (Transition)	Meter Reading Charge	0	0	0	0.12619
15 Business 1 Rate (Transition)	Meter Reading Charge	0	0	0	0
15 Business 1 Rate (Transition)	Metering Charges	0	0	0	0.369
15 Business 1 Rate (Transition)	Metering Charges	0	0	0	0.0245
15 Business 1 Rate (Transition)	Metering Charges	0	0	0	0.2009
15 Business 1 Rate (Transition)	Metering Charges	0	0	0	0.4814
15 Business 1 Rate (Transition)	Metering Charges	0	0	0	0.032
15 Business 1 Rate (Transition)	Metering Charges	0	0	0	0.262
15 Business 1 Rate & Cntl Load (Trans)	Supply Charge	0	0	999999999	0.3004
15 Business 1 Rate & Cntl Load (Trans)	Peak Use	0	0	27.3213	0.1662
15 Business 1 Rate & Cntl Load (Trans)	Peak Use	0	0	999999999	0.1953
15 Business 1 Rate & Cntl Load (Trans)	Off Peak Use	0	0	999999999	0.0539

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
15 Business 1 Rate & Cntl Load (Trans)	Meter Reading Charge	0	0	0	0.12619
15 Business 1 Rate & Cntl Load (Trans)	Meter Reading Charge	0	0	0	0
15 Business 1 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.369
15 Business 1 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.0245
15 Business 1 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.2009
15 Business 1 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.4814
15 Business 1 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.032
15 Business 1 Rate & Cntl Load (Trans)	Metering Charges	0	0	0	0.262
15 GEN2016 - PV Rebate 45kwh Step 2016	Peak Use	0	0	45	-0.16
15 GEN2016 - PV Rebate 45kwh Step 2016	Peak Use	0	0	999999999	0
15 GEN2016 - PV Rebate 45kwh Step 2016	Peak Use	0	0	45	-0.16
15 GEN2016 - PV Rebate 45kwh Step 2016	Peak Use	0	0	999999999	0
15 GEN2028 - Photo Voltaic Rebate	Peak Use	0	0	999999999	-0.44
15 GEN2028 - Photo Voltaic Rebate	Peak Use	0	0	999999999	-0.44
15 GEN2028S - PV Rebate 45kwh Step 2028	Peak Use	0	0	45	-0.44
15 GEN2028S - PV Rebate 45kwh Step 2028	Peak Use	0	0	999999999	0
15 GEN2028S - PV Rebate 45kwh Step 2028	Peak Use	0	0	45	-0.44
15 GEN2028S - PV Rebate 45kwh Step 2028	Peak Use	0	0	999999999	0
15 High Voltage Business Demand	Supply Charge	0	0	999999999	0
15 High Voltage Business Demand	Supply Charge	0	0	999999999	0
15 High Voltage Business Demand	Demand	0	0	999999999	0.5294
15 High Voltage Business Demand	Demand	0	0	999999999	0.2636
15 High Voltage Business Demand	Demand	0	0	999999999	0
15 High Voltage Business Demand	Peak Use	0	0	999999999	0.054
15 High Voltage Business Demand	Demand	0	0	999999999	0
15 High Voltage Business Demand	Demand	0	0	999999999	0.2636
15 High Voltage Business Demand	Demand	0	0	999999999	0
15 High Voltage Business Demand	Peak Use	0	0	999999999	0.054
15 High Voltage Business Demand	Meter Reading Charge	0	0	0	0.12619
15 High Voltage Business Demand	Meter Reading Charge	0	0	0	0

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
15 High Voltage Business Demand	Metering Charges	0	0	0	0.369
15 High Voltage Business Demand	Metering Charges	0	0	0	0.0245
15 High Voltage Business Demand	Metering Charges	0	0	0	0.2009
15 High Voltage Business Demand	Metering Charges	0	0	0	0.4814
15 High Voltage Business Demand	Metering Charges	0	0	0	0.032
15 High Voltage Business Demand	Metering Charges	0	0	0	0.262
15 High Voltage Business Demand	Meter Reading Charge	0	0	0	0.12619
15 High Voltage Business Demand	Meter Reading Charge	0	0	0	0
15 High Voltage Business Demand	Metering Charges	0	0	0	0.369
15 High Voltage Business Demand	Metering Charges	0	0	0	0.0245
15 High Voltage Business Demand	Metering Charges	0	0	0	0.2009
15 High Voltage Business Demand	Metering Charges	0	0	0	0.4814
15 High Voltage Business Demand	Metering Charges	0	0	0	0.032
15 High Voltage Business Demand	Metering Charges	0	0	0	0.262
15 High Voltage Demand < 400kVA	Supply Charge	0	0	999999999	11.486
15 High Voltage Demand < 400kVA	Demand	0	0	999999999	0.3426
15 High Voltage Demand < 400kVA	Demand	0	0	999999999	0.1324
15 High Voltage Demand < 400kVA	Peak Use	0	0	999999999	0.0329
15 High Voltage Demand < 400kVA	Meter Reading Charge	0	0	0	0.12619
15 High Voltage Demand < 400kVA	Meter Reading Charge	0	0	0	0
15 High Voltage Demand < 400kVA	Metering Charges	0	0	0	0.369
15 High Voltage Demand < 400kVA	Metering Charges	0	0	0	0.0245
15 High Voltage Demand < 400kVA	Metering Charges	0	0	0	0.2009
15 High Voltage Demand < 400kVA	Metering Charges	0	0	0	0.4814
15 High Voltage Demand < 400kVA	Metering Charges	0	0	0	0.032
15 High Voltage Demand < 400kVA	Metering Charges	0	0	0	0.262
15 High Voltage Demand/Backup Feeder	Supply Charge	0	0	999999999	0
15 High Voltage Demand/Backup Feeder	Demand	0	0	999999999	0.1229
15 High Voltage Demand/Backup Feeder	Demand	0	0	999999999	0.1229
15 High Voltage Demand/Backup Feeder	Peak Use	0	0	999999999	0.0263

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
15 High Voltage Demand/Backup Feeder	Meter Reading Charge	0	0	0	0.12619
15 High Voltage Demand/Backup Feeder	Meter Reading Charge	0	0	0	0
15 High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.0245
15 High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.032
15 High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.2009
15 High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.262
15 High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.369
15 High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.4814
15 High Voltage Demand (KVA)	Supply Charge	0	0	999999999	82.9543
15 High Voltage Demand (KVA)	Demand	0	0	999999999	0.2531
15 High Voltage Demand (KVA)	Demand	0	0	999999999	0.1229
15 High Voltage Demand (KVA)	Other Charges	0	0	999999999	0.0263
15 High Voltage Demand (KVA)	Meter Reading Charge	0	0	0	0.12619
15 High Voltage Demand (KVA)	Meter Reading Charge	0	0	0	0
15 High Voltage Demand (KVA)	Metering Charges	0	0	0	0.369
15 High Voltage Demand (KVA)	Metering Charges	0	0	0	0.0245
15 High Voltage Demand (KVA)	Metering Charges	0	0	0	0.2009
15 High Voltage Demand (KVA)	Metering Charges	0	0	0	0.4814
15 High Voltage Demand (KVA)	Metering Charges	0	0	0	0.032
15 High Voltage Demand (KVA)	Metering Charges	0	0	0	0.262
15 High Voltage Sportsground Demand kVa	Supply Charge	0	0	999999999	11.486
15 High Voltage Sportsground Demand kVa	Demand	0	0	32.7868	0.3426
15 High Voltage Sportsground Demand kVa	Demand	0	0	999999999	0.2842
15 High Voltage Sportsground Demand kVa	Demand	0	0	999999999	0.1324
15 High Voltage Sportsground Demand kVa	Peak Use	0	0	999999999	0.0329
15 High Voltage Sportsground Demand kVa	Meter Reading Charge	0	0	0	0.12619
15 High Voltage Sportsground Demand kVa	Meter Reading Charge	0	0	0	0
15 High Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.369
15 High Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.0245
15 High Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.2009

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
15 High Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.4814
15 High Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.032
15 High Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.262
15 Low Voltage Demand/Backup Feeder	Supply Charge	0	0	999999999	11.486
15 Low Voltage Demand/Backup Feeder	Demand	0	0	32.7868	0.1324
15 Low Voltage Demand/Backup Feeder	Demand	0	0	999999999	0.1324
15 Low Voltage Demand/Backup Feeder	Demand	0	0	999999999	0.1324
15 Low Voltage Demand/Backup Feeder	Peak Use	0	0	999999999	0.0329
15 Low Voltage Demand/Backup Feeder	Meter Reading Charge	0	0	0	0
15 Low Voltage Demand/Backup Feeder	Meter Reading Charge	0	0	0	0.12619
15 Low Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.369
15 Low Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.0245
15 Low Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.2009
15 Low Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.4814
15 Low Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.032
15 Low Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.262
15 Low Voltage Demand (KVA)	Supply Charge	0	0	999999999	11.486
15 Low Voltage Demand (KVA)	Demand	0	0	32.7868	0.3426
15 Low Voltage Demand (KVA)	Demand	0	0	999999999	0.2842
15 Low Voltage Demand (KVA)	Demand	0	0	999999999	0.1324
15 Low Voltage Demand (KVA)	Peak Use	0	0	999999999	0.0329
15 Low Voltage Demand (KVA)	Meter Reading Charge	0	0	0	0.12619
15 Low Voltage Demand (KVA)	Meter Reading Charge	0	0	0	0
15 Low Voltage Demand (KVA)	Metering Charges	0	0	0	0.369
15 Low Voltage Demand (KVA)	Metering Charges	0	0	0	0.0245
15 Low Voltage Demand (KVA)	Metering Charges	0	0	0	0.2009
15 Low Voltage Demand (KVA)	Metering Charges	0	0	0	0.4814
15 Low Voltage Demand (KVA)	Metering Charges	0	0	0	0.032
15 Low Voltage Demand (KVA)	Metering Charges	0	0	0	0.262
15 Low Voltage Sportsground Demand kVa	Supply Charge	0	0	999999999	11.486

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
15 Low Voltage Sportsground Demand kVa	Demand	0	0	32.7868	0.3426
15 Low Voltage Sportsground Demand kVa	Demand	0	0	999999999	0.2842
15 Low Voltage Sportsground Demand kVa	Demand	0	0	999999999	0.1324
15 Low Voltage Sportsground Demand kVa	Peak Use	0	0	999999999	0.0329
15 Low Voltage Sportsground Demand kVa	Meter Reading Charge	0	0	0	0.12619
15 Low Voltage Sportsground Demand kVa	Meter Reading Charge	0	0	0	0
15 Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.369
15 Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.0245
15 Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.2009
15 Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.4814
15 Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.032
15 Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.262
15 Residential Demand	Supply Charge	0	0	999999999	0
15 Residential Demand	Demand	0	1.5	999999999	0.4434
15 Residential Demand	Demand	0	0	999999999	0
15 Residential Demand	Peak Use	0	0	999999999	0.0719
15 Residential Demand	Supply Charge	0	0	999999999	0
15 Residential Demand	Demand	0	1.5	999999999	0.2205
15 Residential Demand	Demand	0	0	999999999	0
15 Residential Demand	Peak Use	0	0	999999999	0.0719
15 Residential Demand	Meter Reading Charge	0	0	0	0.12619
15 Residential Demand	Meter Reading Charge	0	0	0	0
15 Residential Demand	Metering Charges	0	0	0	0.369
15 Residential Demand	Metering Charges	0	0	0	0.0245
15 Residential Demand	Metering Charges	0	0	0	0.2009
15 Residential Demand	Metering Charges	0	0	0	0.4814
15 Residential Demand	Metering Charges	0	0	0	0.032
15 Residential Demand	Metering Charges	0	0	0	0.262
15 Residential Demand	Meter Reading Charge	0	0	0	0.12619
15 Residential Demand	Meter Reading Charge	0	0	0	0
15 Residential Demand	Metering Charges	0	0	0	0.369
15 Residential Demand	Metering Charges	0	0	0	0.0245
15 Residential Demand	Metering Charges	0	0	0	0.2009
15 Residential Demand	Metering Charges	0	0	0	0.4814
15 Residential Demand	Metering Charges	0	0	0	0.032
15 Residential Demand	Metering Charges	0	0	0	0.262
15 Residential Demand & Cntl Load	Supply Charge	0	0	999999999	0
15 Residential Demand & Cntl Load	Demand	0	1.5	999999999	0.4434
15 Residential Demand & Cntl Load	Demand	0	0	999999999	0
15 Residential Demand & Cntl Load	Peak Use	0	0	999999999	0.0719

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
15 Residential Demand & Cntl Load	Off Peak Use	0	0	999999999	0.0539
15 Residential Demand & Cntl Load	Demand	0	1.5	999999999	0.2205
15 Residential Demand & Cntl Load	Demand	0	0	999999999	0
15 Residential Demand & Cntl Load	Peak Use	0	0	999999999	0.0719
15 Residential Demand & Cntl Load	Off Peak Use	0	0	999999999	0.0539
15 Residential Demand & Cntl Load	Meter Reading Charge	0	0	0	0.12619
15 Residential Demand & Cntl Load	Meter Reading Charge	0	0	0	0
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.369
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.0245
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.2009
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.4814
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.032
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.262
15 Residential Demand & Cntl Load	Meter Reading Charge	0	0	0	0.12619
15 Residential Demand & Cntl Load	Meter Reading Charge	0	0	0	0
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.0245
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.032
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.2009
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.262
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.369
15 Residential Demand & Cntl Load	Metering Charges	0	0	0	0.4814
15 Residential Demand & Cntl Load	Supply Charge	0	0	999999999	0
15 Residential 1 Rate	Supply Charge	0	0	999999999	0.3004
15 Residential 1 Rate	Peak Use	0	0	10.9278	0.1175
15 Residential 1 Rate	Peak Use	0	0	999999999	0.1523
15 Residential 1 Rate	Meter Reading Charge	0	0	0	0.12619
15 Residential 1 Rate	Meter Reading Charge	0	0	0	0
15 Residential 1 Rate	Metering Charges	0	0	0	0.369
15 Residential 1 Rate	Metering Charges	0	0	0	0.0245
15 Residential 1 Rate	Metering Charges	0	0	0	0.2009
15 Residential 1 Rate	Metering Charges	0	0	0	0.4814
15 Residential 1 Rate	Metering Charges	0	0	0	0.032
15 Residential 1 Rate	Metering Charges	0	0	0	0.262
15 Residential 1 Rate	Supply Charge	0	0	999999999	0.3004
15 Residential 1 Rate	Peak Use	0	0	10.9278	0.1175
15 Residential 1 Rate	Peak Use	0	0	999999999	0.1523

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
15 Residential 1 Rate	Meter Reading Charge	0	0	0	0.12619
15 Residential 1 Rate	Meter Reading Charge	0	0	0	0
15 Residential 1 Rate	Metering Charges	0	0	0	0.369
15 Residential 1 Rate	Metering Charges	0	0	0	0.0245
15 Residential 1 Rate	Metering Charges	0	0	0	0.2009
15 Residential 1 Rate	Metering Charges	0	0	0	0.4814
15 Residential 1 Rate	Metering Charges	0	0	0	0.032
15 Residential 1 Rate	Metering Charges	0	0	0	0.262
15 Residential 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
15 Residential 1 Rate & Cntl Load	Peak Use	0	0	10.9278	0.1175
15 Residential 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1523
15 Residential 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
15 Residential 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
15 Residential 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.369
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0245
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.2009
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4814
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.032
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.262
15 Residential 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
15 Residential 1 Rate & Cntl Load	Peak Use	0	0	10.9278	0.1175
15 Residential 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1523
15 Residential 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
15 Residential 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
15 Residential 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.369
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0245
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.2009
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4814
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.032
15 Residential 1 Rate & Cntl Load	Metering Charges	0	0	0	0.262
NMI SAAAAA018 Subtransmission	Demand	0	0	999999999	0.2265

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
NMI 2002257162 Subtransmission	Peak Use	0	0	999999999	0.0169
NMI 2002257162 Subtransmission	Demand	0	0	999999999	0.175
NMI 2002257162 Subtransmission	Demand	0	5000	999999999	0.0213
NMI 2002257162 Subtransmission	Metering Charges	0	0	0	0.8504
NMI 2002257162 Subtransmission	Metering Charges	0	0	0	0.0565
NMI 2002257162 Subtransmission	Metering Charges	0	0	0	0.4629
NMI 2002257162 Subtransmission	Metering Charges	0	0	0	0
NMI 2002257162 Subtransmission	Metering Charges	0	0	0	0
NMI 2002257162 Subtransmission	Metering Charges	0	0	0	0
NMI 2001000378 Subtransmission	Supply Charge	0	0	999999999	394
NMI 2001000378 Subtransmission	Peak Use	0	0	999999999	0.0022
NMI 2001000378 Subtransmission	Demand	0	0	999999999	0.2104
NMI 2001000378 Subtransmission	Demand	0	5000	999999999	0.0213
NMI 2001000378 Subtransmission	Metering Charges	0	0	0	0.8504
NMI 2001000378 Subtransmission	Metering Charges	0	0	0	0.0565
NMI 2001000378 Subtransmission	Metering Charges	0	0	0	0.4629
NMI 2001000378 Subtransmission	Metering Charges	0	0	0	0
NMI 2001000378 Subtransmission	Metering Charges	0	0	0	0
NMI 2001000378 Subtransmission	Metering Charges	0	0	0	0
NMI SAAAAAB557 Subtransmission	Supply Charge	0	0	999999999	218
NMI SAAAAAB557 Subtransmission	Peak Use	0	0	999999999	0.0169
NMI SAAAAAB557 Subtransmission	Demand	0	0	999999999	0.1226
NMI SAAAAAB557 Subtransmission	Demand	0	5000	999999999	0.0213
NMI SAAAAAB557 Subtransmission	Metering Charges	0	0	0	0.8504
NMI SAAAAAB557 Subtransmission	Metering Charges	0	0	0	0.0565
NMI SAAAAAB557 Subtransmission	Metering Charges	0	0	0	0.4629
NMI SAAAAAB557 Subtransmission	Metering Charges	0	0	0	0
NMI SAAAAAB557 Subtransmission	Metering Charges	0	0	0	0
NMI SAAAAAB557 Subtransmission	Metering Charges	0	0	0	0
NMI 2002112609 Subtransmission	Supply Charge	0	0	999999999	3329

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
NMI 2002112609 Subtransmission	Peak Use	0	0	999999999	0.0022
NMI 2002112609 Subtransmission	Demand	0	0	999999999	0.0213
NMI 2002112609 Subtransmission	Demand	0	5000	999999999	0.0213
NMI 2002112609 Subtransmission	Metering Charges	0	0	0	0.8504
NMI 2002112609 Subtransmission	Metering Charges	0	0	0	0.0565
NMI 2002112609 Subtransmission	Metering Charges	0	0	0	0.4629
NMI 2002112609 Subtransmission	Metering Charges	0	0	0	0
NMI 2002112609 Subtransmission	Metering Charges	0	0	0	0
NMI 2002112609 Subtransmission	Metering Charges	0	0	0	0
NMI 2002213788 Subtransmission	Supply Charge	0	0	999999999	338
NMI 2002213788 Subtransmission	Peak Use	0	0	999999999	0.0169
NMI 2002213788 Subtransmission	Demand	0	0	999999999	0.0554
NMI 2002213788 Subtransmission	Demand	0	5000	999999999	0.0213
NMI 2002213788 Subtransmission	Metering Charges	0	0	0	0.8504
NMI 2002213788 Subtransmission	Metering Charges	0	0	0	0.0565
NMI 2002213788 Subtransmission	Metering Charges	0	0	0	0.4629
NMI 2002213788 Subtransmission	Metering Charges	0	0	0	0
NMI 2002213788 Subtransmission	Metering Charges	0	0	0	0
NMI 2002213788 Subtransmission	Metering Charges	0	0	0	0
NMI 2002213796 Subtransmission	Supply Charge	0	0	999999999	0
NMI 2002213796 Subtransmission	Peak Use	0	0	999999999	0.0169
NMI 2002213796 Subtransmission	Demand	0	0	999999999	0.0213
NMI 2002213796 Subtransmission	Demand	0	5000	999999999	0.0213
NMI 2002213796 Subtransmission	Metering Charges	0	0	0	0.8504
NMI 2002213796 Subtransmission	Metering Charges	0	0	0	0.0565
NMI 2002213796 Subtransmission	Metering Charges	0	0	0	0.4629
NMI 2002213796 Subtransmission	Metering Charges	0	0	0	0
NMI 2002213796 Subtransmission	Metering Charges	0	0	0	0
NMI 2002213796 Subtransmission	Metering Charges	0	0	0	0
NMI 2002216840 Subtransmission	Supply Charge	0	0	999999999	120

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
NMI 2002216840 Subtransmission	Peak Use	0	0	999999999	0.0169
NMI 2002216840 Subtransmission	Demand	0	0	999999999	0.0619
NMI 2002216840 Subtransmission	Demand	0	5000	999999999	0.0213
NMI 2002216840 Subtransmission	Metering Charges	0	0	0	0.8504
NMI 2002216840 Subtransmission	Metering Charges	0	0	0	0.0565
NMI 2002216840 Subtransmission	Metering Charges	0	0	0	0.4629
NMI 2002216840 Subtransmission	Metering Charges	0	0	0	0
NMI 2002216840 Subtransmission	Metering Charges	0	0	0	0
NMI 2002216840 Subtransmission	Metering Charges	0	0	0	0
NMI 2002257164 Backup Subtransmission	Supply Charge	0	0	999999999	0
NMI 2002257164 Backup Subtransmission	Peak Use	0	0	999999999	0.0169
NMI 2002257164 Backup Subtransmission	Demand	0	0	999999999	0.0213
NMI 2002257164 Backup Subtransmission	Metering Charges	0	0	0	0.8504
NMI 2002257164 Backup Subtransmission	Metering Charges	0	0	0	0.0565
NMI 2002257164 Backup Subtransmission	Metering Charges	0	0	0	0.4629
NMI 2002257164 Backup Subtransmission	Metering Charges	0	0	0	0
NMI 2002257164 Backup Subtransmission	Metering Charges	0	0	0	0
NMI 2002257164 Backup Subtransmission	Metering Charges	0	0	0	0
NMI 2002257164 Backup Subtransmission	Demand	0	0	999999999	0.0213
15 Subtransmission Back Up Feeder	Supply Charge	0	0	999999999	0
15 Subtransmission Back Up Feeder	Peak Use	0	0	999999999	0.0113
15 Subtransmission Back Up Feeder	Demand	0	0	999999999	0.0213
15 Subtransmission Back Up Feeder	Meter Reading Charge	0	0	0	0.12619
15 Subtransmission Back Up Feeder	Meter Reading Charge	0	0	0	0
15 Subtransmission Back Up Feeder	Metering Charges	0	0	0	0.369
15 Subtransmission Back Up Feeder	Metering Charges	0	0	0	0.0245
15 Subtransmission Back Up Feeder	Metering Charges	0	0	0	0.2009
15 Subtransmission Back Up Feeder	Metering Charges	0	0	0	0.4814
15 Subtransmission Back Up Feeder	Metering Charges	0	0	0	0.262
15 Subtransmission Back Up Feeder	Metering Charges	0	0	0	0.032

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
15 Subtransmission Back Up Feeder	Demand	0	0	999999999	0.0213
15 Subtransmission Demand (<10MW)	Supply Charge	0	0	999999999	0
15 Subtransmission Demand (<10MW)	Peak Use	0	0	999999999	0.0113
15 Subtransmission Demand (<10MW)	Demand	0	0	999999999	0.1301
15 Subtransmission Demand (<10MW)	Demand	0	5000	999999999	0.0213
15 Subtransmission Demand (<10MW)	Meter Reading Charge	0	0	0	0.12619
15 Subtransmission Demand (<10MW)	Meter Reading Charge	0	0	0	0
15 Subtransmission Demand (<10MW)	Metering Charges	0	0	0	0.369
15 Subtransmission Demand (<10MW)	Metering Charges	0	0	0	0.0245
15 Subtransmission Demand (<10MW)	Metering Charges	0	0	0	0.2009
15 Subtransmission Demand (<10MW)	Metering Charges	0	0	0	0.4814
15 Subtransmission Demand (<10MW)	Metering Charges	0	0	0	0.262
15 Subtransmission Demand (<10MW)	Metering Charges	0	0	0	0.032
High Voltage Demand/Backup Feeder	Supply Charge	0	0	999999999	0
High Voltage Demand/Backup Feeder	Demand	0	0	999999999	0.1229
High Voltage Demand/Backup Feeder	Demand	0	0	999999999	0.1229
High Voltage Demand/Backup Feeder	Peak Use	0	0	999999999	0.0263
High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.8504
High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.0565
High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0.4629
High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0
High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0
High Voltage Demand/Backup Feeder	Metering Charges	0	0	0	0
HV Demand (KVA) <400kVA	Supply Charge	0	0	999999999	11.486
HV Demand (KVA) <400kVA	Demand	0	0	999999999	0.3426
HV Demand (KVA) <400kVA	Demand	0	0	999999999	0.1324
HV Demand (KVA) <400kVA	Peak Use	0	0	999999999	0.0329
HV Demand (KVA) <400kVA	Metering Charges	0	0	0	0.8504
HV Demand (KVA) <400kVA	Metering Charges	0	0	0	0.0565
HV Demand (KVA) <400kVA	Metering Charges	0	0	0	0.4629
HV Demand (KVA) <400kVA	Metering Charges	0	0	0	0
HV Demand (KVA) <400kVA	Metering Charges	0	0	0	0
HV Demand (KVA) <400kVA	Metering Charges	0	0	0	0
High Voltage Demand (KVA)	Supply Charge	0	0	999999999	82.9543
High Voltage Demand (KVA)	Demand	0	0	999999999	0.2531

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
High Voltage Demand (KVA)	Demand	0	0	999999999	0.1229
High Voltage Demand (KVA)	Peak Use	0	0	999999999	0.0263
High Voltage Demand (KVA)	Metering Charges	0	0	0	0.8504
High Voltage Demand (KVA)	Metering Charges	0	0	0	0.0565
High Voltage Demand (KVA)	Metering Charges	0	0	0	0.4629
High Voltage Demand (KVA)	Metering Charges	0	0	0	0
High Voltage Demand (KVA)	Metering Charges	0	0	0	0
High Voltage Demand (KVA)	Metering Charges	0	0	0	0
Low Voltage Stepped Demand/Backup Feeder	Supply Charge	0	0	999999999	11.486
Low Voltage Stepped Demand/Backup Feeder	Demand	0	0	32.7868	0.1324
Low Voltage Stepped Demand/Backup Feeder	Demand	0	0	999999999	0.1324
Low Voltage Stepped Demand/Backup Feeder	Demand	0	0	999999999	0.1324
Low Voltage Stepped Demand/Backup Feeder	Peak Use	0	0	999999999	0.0329
Low Voltage Stepped Demand/Backup Feeder	Metering Charges	0	0	0	0.8504
Low Voltage Stepped Demand/Backup Feeder	Metering Charges	0	0	0	0.0565
Low Voltage Stepped Demand/Backup Feeder	Metering Charges	0	0	0	0.4629
Low Voltage Stepped Demand/Backup Feeder	Metering Charges	0	0	0	0
Low Voltage Stepped Demand/Backup Feeder	Metering Charges	0	0	0	0
Low Voltage Stepped Demand/Backup Feeder	Metering Charges	0	0	0	0
Low Voltage Stepped Demand (KVA)	Supply Charge	0	0	999999999	11.486
Low Voltage Stepped Demand (KVA)	Demand	0	0	32.7868	0.3426
Low Voltage Stepped Demand (KVA)	Demand	0	0	999999999	0.2842
Low Voltage Stepped Demand (KVA)	Demand	0	0	999999999	0.1324
Low Voltage Stepped Demand (KVA)	Peak Use	0	0	999999999	0.0329
Low Voltage Stepped Demand (KVA)	Metering Charges	0	0	0	0.8504
Low Voltage Stepped Demand (KVA)	Metering Charges	0	0	0	0.0565
Low Voltage Stepped Demand (KVA)	Metering Charges	0	0	0	0.4629
Low Voltage Stepped Demand (KVA)	Metering Charges	0	0	0	0
Low Voltage Stepped Demand (KVA)	Metering Charges	0	0	0	0
Low Voltage Stepped Demand (KVA)	Metering Charges	0	0	0	0
Low Voltage Sportsground Demand kVa	Supply Charge	0	0	999999999	11.486
Low Voltage Sportsground Demand kVa	Demand	0	0	32.7868	0.3426
Low Voltage Sportsground Demand kVa	Demand	0	0	999999999	0.2842

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
Low Voltage Sportsground Demand kVa	Demand	0	0	999999999	0.1324
Low Voltage Sportsground Demand kVa	Peak Use	0	0	999999999	0.0329
Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.8504
Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.0565
Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0.4629
Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0
Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0
Low Voltage Sportsground Demand kVa	Metering Charges	0	0	0	0
kVA - Zone Substation	Supply Charge	0	0	999999999	0
kVA - Zone Substation	Demand	0	0	999999999	0.2101
kVA - Zone Substation	Demand	0	5000	999999999	0.1013
kVA - Zone Substation	Peak Use	0	0	999999999	0.0169
kVA - Zone Substation	Metering Charges	0	0	0	0.8504
kVA - Zone Substation	Metering Charges	0	0	0	0.0565
kVA - Zone Substation	Metering Charges	0	0	0	0.4629
kVA - Zone Substation	Metering Charges	0	0	0	0
kVA - Zone Substation	Metering Charges	0	0	0	0
kVA - Zone Substation	Metering Charges	0	0	0	0
15 PV Zero Rate - Solar Co Gen	Peak Use	0	0	999999999	0
15 PV Zero Rate - Solar Co Gen	Peak Use	0	0	999999999	0
15 Zero Rate - Solar Co Gen	Peak Use	0	0	999999999	0
15 Zero Rate - Solar Co Gen	Peak Use	0	0	999999999	0
NMI SAAAAAA021 Zone Substatio	Supply Charge	0	0	999999999	669
NMI SAAAAAA021 Zone Substatio	Peak Use	0	0	999999999	0.0078
NMI SAAAAAA021 Zone Substatio	Demand	0	0	999999999	0.3078
NMI SAAAAAA021 Zone Substatio	Demand	0	5000	999999999	0.1013
NMI SAAAAAA021 Zone Substatio	Metering Charges	0	0	0	0.8504
NMI SAAAAAA021 Zone Substatio	Metering Charges	0	0	0	0.0565
NMI SAAAAAA021 Zone Substatio	Metering Charges	0	0	0	0.4629
NMI SAAAAAA021 Zone Substatio	Metering Charges	0	0	0	0
NMI SAAAAAA021 Zone Substatio	Metering Charges	0	0	0	0
NMI SAAAAAA021 Zone Substatio	Metering Charges	0	0	0	0
NMI SAAAAAA022 Zone Substation	Supply Charge	0	0	999999999	181
NMI SAAAAAA022 Zone Substation	Peak Use	0	0	999999999	0.0078
NMI SAAAAAA022 Zone Substation	Demand	0	0	999999999	0.2495

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DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
NMI SAAAAAA022 Zone Substation	Demand	0	5000	999999999	0.1013
NMI SAAAAAA022 Zone Substation	Metering Charges	0	0	0	0.8504
NMI SAAAAAA022 Zone Substation	Metering Charges	0	0	0	0.0565
NMI SAAAAAA022 Zone Substation	Metering Charges	0	0	0	0.4629
NMI SAAAAAA022 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA022 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA022 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA024 Zone Substation	Supply Charge	0	0	999999999	206
NMI SAAAAAA024 Zone Substation	Peak Use	0	0	999999999	0.0078
NMI SAAAAAA024 Zone Substation	Demand	0	0	999999999	0.2518
NMI SAAAAAA024 Zone Substation	Demand	0	5000	999999999	0.1013
NMI SAAAAAA024 Zone Substation	Metering Charges	0	0	0	0.8504
NMI SAAAAAA024 Zone Substation	Metering Charges	0	0	0	0.0565
NMI SAAAAAA024 Zone Substation	Metering Charges	0	0	0	0.4629
NMI SAAAAAA024 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA024 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA024 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA024 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA026 Zone Substation	Supply Charge	0	0	999999999	47
NMI SAAAAAA026 Zone Substation	Peak Use	0	0	999999999	0.0078
NMI SAAAAAA026 Zone Substation	Demand	0	0	999999999	0.2537
NMI SAAAAAA026 Zone Substation	Demand	0	5000	999999999	0.1013
NMI SAAAAAA026 Zone Substation	Metering Charges	0	0	0	0.8504
NMI SAAAAAA026 Zone Substation	Metering Charges	0	0	0	0.0565
NMI SAAAAAA026 Zone Substation	Metering Charges	0	0	0	0.4629
NMI SAAAAAA026 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA026 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA026 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA035 Zone Substation	Supply Charge	0	0	999999999	168
NMI SAAAAAA035 Zone Substation	Peak Use	0	0	999999999	0.0078
NMI SAAAAAA035 Zone Substation	Demand	0	0	999999999	0.3052

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
NMI SAAAAAA035 Zone Substation	Demand	0	5000	999999999	0.1013
NMI SAAAAAA035 Zone Substation	Metering Charges	0	0	0	0.8504
NMI SAAAAAA035 Zone Substation	Metering Charges	0	0	0	0.0565
NMI SAAAAAA035 Zone Substation	Metering Charges	0	0	0	0.4629
NMI SAAAAAA035 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA035 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA035 Zone Substation	Metering Charges	0	0	0	0
NMI 2002133131 Zone Substation	Supply Charge	0	0	999999999	202
NMI 2002133131 Zone Substation	Peak Use	0	0	999999999	0.0078
NMI 2002133131 Zone Substation	Demand	0	0	999999999	0.2491
NMI 2002133131 Zone Substation	Demand	0	5000	999999999	0.1013
NMI 2002133131 Zone Substation	Metering Charges	0	0	0	0.8504
NMI 2002133131 Zone Substation	Metering Charges	0	0	0	0.0565
NMI 2002133131 Zone Substation	Metering Charges	0	0	0	0.4629
NMI 2002133131 Zone Substation	Metering Charges	0	0	0	0
NMI 2002133131 Zone Substation	Metering Charges	0	0	0	0
NMI 2002133131 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA438 Zone Substation	Supply Charge	0	0	999999999	95
NMI SAAAAAA438 Zone Substation	Peak Use	0	0	999999999	0.0078
NMI SAAAAAA438 Zone Substation	Demand	0	0	999999999	0.2521
NMI SAAAAAA438 Zone Substation	Demand	0	5000	999999999	0.1013
NMI SAAAAAA438 Zone Substation	Metering Charges	0	0	0	0.8504
NMI SAAAAAA438 Zone Substation	Metering Charges	0	0	0	0.0565
NMI SAAAAAA438 Zone Substation	Metering Charges	0	0	0	0.4629
NMI SAAAAAA438 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA438 Zone Substation	Metering Charges	0	0	0	0
NMI SAAAAAA438 Zone Substation	Metering Charges	0	0	0	0
NMI 2001000608 Zone Substation	Supply Charge	0	0	999999999	8
NMI 2001000608 Zone Substation	Peak Use	0	0	999999999	0.0078
NMI 2001000608 Zone Substation	Demand	0	0	999999999	0.2521

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
NMI 2001000608 Zone Substation	Demand	0	5000	999999999	0.1013
NMI 2001000608 Zone Substation	Metering Charges	0	0	0	0.8504
NMI 2001000608 Zone Substation	Metering Charges	0	0	0	0.0565
NMI 2001000608 Zone Substation	Metering Charges	0	0	0	0.4629
NMI 2001000608 Zone Substation	Metering Charges	0	0	0	0
NMI 2001000608 Zone Substation	Metering Charges	0	0	0	0
NMI 2001000608 Zone Substation	Metering Charges	0	0	0	0
15 Zone Substation Back Up Feeder	Supply Charge	0	0	999999999	0
15 Zone Substation Back Up Feeder	Peak Use	0	0	999999999	0.0169
15 Zone Substation Back Up Feeder	Demand	0	0	999999999	0.1013
15 Zone Substation Back Up Feeder	Meter Reading Charge	0	0	0	0.12619
15 Zone Substation Back Up Feeder	Meter Reading Charge	0	0	0	0
15 Zone Substation Back Up Feeder	Metering Charges	0	0	0	0.369
15 Zone Substation Back Up Feeder	Metering Charges	0	0	0	0.0245
15 Zone Substation Back Up Feeder	Metering Charges	0	0	0	0.2009
15 Zone Substation Back Up Feeder	Metering Charges	0	0	0	0.4814
15 Zone Substation Back Up Feeder	Metering Charges	0	0	0	0.262
15 Zone Substation Back Up Feeder	Metering Charges	0	0	0	0.032
15 Zone Substation Back Up Feeder	Demand	0	0	999999999	0.1013
15 Zone Substation Demand (<10MW)	Supply Charge	0	0	999999999	0
15 Zone Substation Demand (<10MW)	Peak Use	0	0	999999999	0.0169
15 Zone Substation Demand (<10MW)	Demand	0	0	999999999	0.2101
15 Zone Substation Demand (<10MW)	Demand	0	5000	999999999	0.1013
15 Zone Substation Demand (<10MW)	Meter Reading Charge	0	0	0	0.12619
15 Zone Substation Demand (<10MW)	Meter Reading Charge	0	0	0	0
15 Zone Substation Demand (<10MW)	Metering Charges	0	0	0	0.369
15 Zone Substation Demand (<10MW)	Metering Charges	0	0	0	0.2009
15 Zone Substation Demand (<10MW)	Metering Charges	0	0	0	0.0245
15 Zone Substation Demand (<10MW)	Metering Charges	0	0	0	0.4814
15 Zone Substation Demand (<10MW)	Metering Charges	0	0	0	0.262

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
15 Zone Substation Demand (<10MW)	Metering Charges	0	0	0	0.032
DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
HV Bus 2 Rate	Supply Charge	0	0	999999999	0.3004
HV Bus 2 Rate	Peak Use	0	0	999999999	0.1738
HV Bus 2 Rate	Off Peak Use	0	0	999999999	0.0711
HV Bus 2 Rate	Metering Charges	0	0	0	0
HV Bus 2 Rate	Metering Charges	0	0	0	0
HV Bus 2 Rate	Metering Charges	0	0	0	0.8504
HV Bus 2 Rate	Metering Charges	0	0	0	0.0565
HV Bus 2 Rate	Metering Charges	0	0	0	0.4629
LV Bus 2 Rate Type 1 to 4 Meter	Supply Charge	0	0	999999999	0.3004
LV Bus 2 Rate Type 1 to 4 Meter	Peak Use	0	0	999999999	0.1738
LV Bus 2 Rate Type 1 to 4 Meter	Off Peak Use	0	0	999999999	0.0711
LV Bus 2 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0
LV Bus 2 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0
LV Bus 2 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0.8504
LV Bus 2 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0
LV Bus 2 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0.0565
LV Bus 2 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0.4629
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Supply Charge	0	0	999999999	0.3004
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Peak Use	0	0	999999999	0.1738
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Off Peak Use	0	0	999999999	0.0711
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Off Peak Use	0	0	999999999	0.0539
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Metering Charges	0	0	0	0
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Metering Charges	0	0	0	0
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Metering Charges	0	0	0	0
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Metering Charges	0	0	0	0.0565
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Metering Charges	0	0	0	0.4629
LV Bus 2 Rate 1 to 4 Meter & Cntl Load	Metering Charges	0	0	0	0.8504
LV Bus 1 Rate Type 1 to 4 Meter	Supply Charge	0	0	999999999	0.3004
LV Bus 1 Rate Type 1 to 4 Meter	Peak Use	0	0	833.3	0.1364
LV Bus 1 Rate Type 1 to 4 Meter	Peak Use	0	0	999999999	0.1496

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
LV Bus 1 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0
LV Bus 1 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0
LV Bus 1 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0
LV Bus 1 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0.8504
LV Bus 1 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0.4629
LV Bus 1 Rate Type 1 to 4 Meter	Metering Charges	0	0	0	0.0565
GENR2016 - PV Rebate 45kwh Step 2016	Peak Use	0	0	1368	-0.16
GENR2016 - PV Rebate 45kwh Step 2016	Peak Use	0	0	999999999	0
GENR2016I - PV Rebate 45 kwh Step 2016	Peak Use	0	0	1368	-0.16
GENR2016I - PV Rebate 45 kwh Step 2016	Peak Use	0	0	999999999	0
GENR2028 - Photo Voltaic Rebate	Peak Use	0	0	999999999	-0.44
GENR2028I - Photo Voltaic Rebate	Peak Use	0	0	999999999	-0.44
GENR2028S - PV Rebate 45kwh Step 2028	Peak Use	0	0	1368	-0.44
GENR2028S - PV Rebate 45kwh Step 2028	Peak Use	0	0	999999999	0
GENR2028SI - PV Rebate 45 kwh Step 2028	Peak Use	0	0	1368	-0.44
GENR2028SI - PV Rebate 45 kwh Step 2028	Peak Use	0	0	999999999	0
Solar Co Gen	Peak Use	0	0	999999999	-0.44
Low Voltage Unmetered (Overnight Usage)	Peak Use	0	0	999999999	0.0727
Low Voltage Unmetered (24 Hour Usage)	Peak Use	0	0	999999999	0.0727
Low Voltage Unmetered (24 Hour Usage)	Peak Use	0	0	999999999	0.0727
Low Voltage Unmetered (Overnight Usage)	Peak Use	0	0	999999999	0.0727
Monthly LV Bus 2 Rate	Supply Charge	0	0	999999999	0.3004
Monthly LV Bus 2 Rate	Meter Reading Charge	0	0	0	0
Monthly LV Bus 2 Rate	Meter Reading Charge	0	0	0	0.12619
Monthly LV Bus 2 Rate	Peak Use	0	0	999999999	0.1738
Monthly LV Bus 2 Rate	Off Peak Use	0	0	999999999	0.0711
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0.8504
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0.4629
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0.0565
Monthly LV Bus 2 Rate	Supply Charge	0	0	999999999	0.3004
Monthly LV Bus 2 Rate	Meter Reading Charge	0	0	0	0
Monthly LV Bus 2 Rate	Meter Reading Charge	0	0	0	0.12619

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
Monthly LV Bus 2 Rate	Peak Use	0	0	999999999	0.1738
Monthly LV Bus 2 Rate	Off Peak Use	0	0	999999999	0.0711
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0.8504
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0.4629
Monthly LV Bus 2 Rate	Metering Charges	0	0	0	0.0565
Monthly LV Bus 2 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Monthly LV Bus 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Monthly LV Bus 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Monthly LV Bus 2 Rate & Cntl Load	Peak Use	0	0	999999999	0.1738
Monthly LV Bus 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0711
Monthly LV Bus 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Monthly LV Bus 2 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Monthly LV Bus 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Monthly LV Bus 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Monthly LV Bus 2 Rate & Cntl Load	Peak Use	0	0	999999999	0.1738
Monthly LV Bus 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0711
Monthly LV Bus 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Monthly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Monthly LV Bus 1 Rate	Supply Charge	0	0	999999999	0.3004

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
Monthly LV Bus 1 Rate	Meter Reading Charge	0	0	0	0
Monthly LV Bus 1 Rate	Meter Reading Charge	0	0	0	0.12619
Monthly LV Bus 1 Rate	Peak Use	0	0	833.3	0.1364
Monthly LV Bus 1 Rate	Peak Use	0	0	999999999	0.1496
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0.8504
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0.4629
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0.0565
Monthly LV Bus 1 Rate	Supply Charge	0	0	999999999	0.3004
Monthly LV Bus 1 Rate	Meter Reading Charge	0	0	0	0
Monthly LV Bus 1 Rate	Meter Reading Charge	0	0	0	0.12619
Monthly LV Bus 1 Rate	Peak Use	0	0	833.3	0.1364
Monthly LV Bus 1 Rate	Peak Use	0	0	999999999	0.1496
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0.8504
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0.4629
Monthly LV Bus 1 Rate	Metering Charges	0	0	0	0.0565
Monthly LV Bus 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Monthly LV Bus 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Monthly LV Bus 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Monthly LV Bus 1 Rate & Cntl Load	Peak Use	0	0	833.3	0.1364
Monthly LV Bus 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1496
Monthly LV Bus 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Monthly LV Bus 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Monthly LV Bus 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Monthly LV Bus 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619

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DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
Monthly LV Bus 1 Rate & Cntl Load	Peak Use	0	0	833.3	0.1364
Monthly LV Bus 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1496
Monthly LV Bus 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Monthly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Monthly Ctl Load	Meter Reading Charge	0	0	0	0
Monthly Ctl Load	Meter Reading Charge	0	0	0	0.12619
Monthly Ctl Load	Off Peak Use	0	0	999999999	0.0539
Monthly Ctl Load	Metering Charges	0	0	0	0
Monthly Ctl Load	Metering Charges	0	0	0	0
Monthly Ctl Load	Metering Charges	0	0	0	0
Monthly Ctl Load	Metering Charges	0	0	0	0.8504
Monthly Ctl Load	Metering Charges	0	0	0	0.4629
Monthly Ctl Load	Metering Charges	0	0	0	0.0565
Monthly Ctl Load	Meter Reading Charge	0	0	0	0
Monthly Ctl Load	Meter Reading Charge	0	0	0	0.12619
Monthly Ctl Load	Off Peak Use	0	0	999999999	0.0539
Monthly Ctl Load	Metering Charges	0	0	0	0
Monthly Ctl Load	Metering Charges	0	0	0	0
Monthly Ctl Load	Metering Charges	0	0	0	0
Monthly Ctl Load	Metering Charges	0	0	0	0.8504
Monthly Ctl Load	Metering Charges	0	0	0	0.4629
Monthly Ctl Load	Metering Charges	0	0	0	0.0565
Low Voltage Monthly Residential Demand	Supply Charge	0	0	999999999	0
Low Voltage Monthly Residential Demand	Demand	0	0	999999999	0
Low Voltage Monthly Residential Demand	Peak Use	0	0	999999999	0.0719
Low Voltage Monthly Residential Demand	Meter Reading Charge	0	0	0	0.12619
Low Voltage Monthly Residential Demand	Meter Reading Charge	0	0	0	0
Low Voltage Monthly Residential Demand	Peak Use	0	0	999999999	0.0719
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0.0565
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0.4629
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0.8504

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0
Low Voltage Monthly Residential Demand	Supply Charge	0	0	999999999	0
Low Voltage Monthly Residential Demand	Demand	0	1.5	999999999	6.74
Low Voltage Monthly Residential Demand	Demand	0	1.5	999999999	13.48
Low Voltage Monthly Residential Demand	Demand	0	0	999999999	0
Low Voltage Monthly Residential Demand	Meter Reading Charge	0	0	0	0.12619
Low Voltage Monthly Residential Demand	Meter Reading Charge	0	0	0	0
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0.0565
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0.4629
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0.8504
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0
Low Voltage Monthly Residential Demand	Metering Charges	0	0	0	0
Low Voltage Monthly Res Dem & Cntl Load	Supply Charge	0	0	999999999	0
Low Voltage Monthly Res Dem & Cntl Load	Demand	0	1.5	999999999	13.48
Low Voltage Monthly Res Dem & Cntl Load	Demand	0	0	999999999	0
Low Voltage Monthly Res Dem & Cntl Load	Peak Use	0	0	999999999	0.0719
Low Voltage Monthly Res Dem & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Low Voltage Monthly Res Dem & Cntl Load	Supply Charge	0	0	999999999	0
Low Voltage Monthly Res Dem & Cntl Load	Demand	0	1.5	999999999	6.74
Low Voltage Monthly Res Dem & Cntl Load	Demand	0	0	999999999	0
Low Voltage Monthly Res Dem & Cntl Load	Peak Use	0	0	999999999	0.0719
Low Voltage Monthly Res Dem & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Low Voltage Monthly Res Dem & Cntl Load	Meter Reading Charge	0	0	0	0
Low Voltage Monthly Res Dem & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0.0565
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0.8504
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0.4629

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DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0
Low Voltage Monthly Res Dem & Cntl Load	Meter Reading Charge	0	0	0	0
Low Voltage Monthly Res Dem & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0.0565
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0.8504
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0.4629
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0
Low Voltage Monthly Res Dem & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate	Supply Charge	0	0	999999999	0.3004
Monthly LV Res 1 Rate	Peak Use	0	0	333.3	0.1175
Monthly LV Res 1 Rate	Peak Use	0	0	999999999	0.1523
Monthly LV Res 1 Rate	Meter Reading Charge	0	0	0	0.12619
Monthly LV Res 1 Rate	Meter Reading Charge	0	0	0	0
Monthly LV Res 1 Rate	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate	Metering Charges	0	0	0	0.8504
Monthly LV Res 1 Rate	Metering Charges	0	0	0	0.0565
Monthly LV Res 1 Rate	Metering Charges	0	0	0	0.4629
Monthly LV Res 1 Rate Type 1 - 4	Supply Charge	0	0	999999999	0.3004
Monthly LV Res 1 Rate Type 1 - 4	Peak Use	0	0	333.3	0.1175
Monthly LV Res 1 Rate Type 1 - 4	Peak Use	0	0	999999999	0.1523
Monthly LV Res 1 Rate Type 1 - 4	Meter Reading Charge	0	0	0	0.12619
Monthly LV Res 1 Rate Type 1 - 4	Meter Reading Charge	0	0	0	0
Monthly LV Res 1 Rate Type 1 - 4	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate Type 1 - 4	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate Type 1 - 4	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate Type 1 - 4	Metering Charges	0	0	0	0.8504
Monthly LV Res 1 Rate Type 1 - 4	Metering Charges	0	0	0	0.0565
Monthly LV Res 1 Rate Type 1 - 4	Metering Charges	0	0	0	0.4629

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
Monthly LV Res SR Type 1-4 Cntl Load	Supply Charge	0	0	999999999	0.3004
Monthly LV Res SR Type 1-4 Cntl Load	Peak Use	0	0	333.3	0.1175
Monthly LV Res SR Type 1-4 Cntl Load	Peak Use	0	0	999999999	0.1523
Monthly LV Res SR Type 1-4 Cntl Load	Off Peak Use	0	0	999999999	0.0539
Monthly LV Res SR Type 1-4 Cntl Load	Meter Reading Charge	0	0	0	0.12619
Monthly LV Res SR Type 1-4 Cntl Load	Meter Reading Charge	0	0	0	0
Monthly LV Res SR Type 1-4 Cntl Load	Metering Charges	0	0	0	0.0565
Monthly LV Res SR Type 1-4 Cntl Load	Metering Charges	0	0	0	0.4629
Monthly LV Res SR Type 1-4 Cntl Load	Metering Charges	0	0	0	0.8504
Monthly LV Res SR Type 1-4 Cntl Load	Metering Charges	0	0	0	0
Monthly LV Res SR Type 1-4 Cntl Load	Metering Charges	0	0	0	0
Monthly LV Res SR Type 1-4 Cntl Load	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Monthly LV Res 1 Rate & Cntl Load	Peak Use	0	0	333.3	0.1175
Monthly LV Res 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1523
Monthly LV Res 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Monthly LV Res 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Monthly LV Res 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Monthly LV Res 1 Rate & Cntl Load	Peak Use	0	0	333.3	0.1175
Monthly LV Res 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1523
Monthly LV Res 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Monthly LV Res 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Monthly LV Res 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0

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DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Monthly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate	Supply Charge	0	0	999999999	0.3004
Quarterly LV Bus 2 Rate	Peak Use	0	0	999999999	0.1738
Quarterly LV Bus 2 Rate	Off Peak Use	0	0	999999999	0.0711
Quarterly LV Bus 2 Rate	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Bus 2 Rate	Meter Reading Charge	0	0	0	0
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0.8504
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0.0565
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0.4629
Quarterly LV Bus 2 Rate	Supply Charge	0	0	999999999	0.3004
Quarterly LV Bus 2 Rate	Peak Use	0	0	999999999	0.1738
Quarterly LV Bus 2 Rate	Off Peak Use	0	0	999999999	0.0711
Quarterly LV Bus 2 Rate	Meter Reading Charge	0	0	0	0
Quarterly LV Bus 2 Rate	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0.8504
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0.0565
Quarterly LV Bus 2 Rate	Metering Charges	0	0	0	0.4629
Quarterly LV Bus 2 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Quarterly LV Bus 2 Rate & Cntl Load	Peak Use	0	0	999999999	0.1738
Quarterly LV Bus 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0711
Quarterly LV Bus 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Quarterly LV Bus 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Quarterly LV Bus 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Quarterly LV Bus 2 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Quarterly LV Bus 2 Rate & Cntl Load	Peak Use	0	0	999999999	0.1738
Quarterly LV Bus 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0711
Quarterly LV Bus 2 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Quarterly LV Bus 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Quarterly LV Bus 2 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Quarterly LV Bus 2 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Quarterly LV Bus 1 Rate	Supply Charge	0	0	999999999	0.3004
Quarterly LV Bus 1 Rate	Peak Use	0	0	833.3	0.1364
Quarterly LV Bus 1 Rate	Peak Use	0	0	999999999	0.1496
Quarterly LV Bus 1 Rate	Meter Reading Charge	0	0	0	0
Quarterly LV Bus 1 Rate	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0.8504
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0.4629
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0.0565
Quarterly LV Bus 1 Rate	Supply Charge	0	0	999999999	0.3004
Quarterly LV Bus 1 Rate	Peak Use	0	0	833.3	0.1364
Quarterly LV Bus 1 Rate	Peak Use	0	0	999999999	0.1496
Quarterly LV Bus 1 Rate	Meter Reading Charge	0	0	0	0
Quarterly LV Bus 1 Rate	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0.8504
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0.4629
Quarterly LV Bus 1 Rate	Metering Charges	0	0	0	0.0565

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
Quarterly LV Bus 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Quarterly LV Bus 1 Rate & Cntl Load	Peak Use	0	0	833.3	0.1364
Quarterly LV Bus 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1496
Quarterly LV Bus 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Quarterly LV Bus 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Quarterly LV Bus 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Quarterly LV Bus 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Quarterly LV Bus 1 Rate & Cntl Load	Peak Use	0	0	833.3	0.1364
Quarterly LV Bus 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1496
Quarterly LV Bus 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Quarterly LV Bus 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Quarterly LV Bus 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Quarterly LV Bus 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Quarterly Ctl Load	Off Peak Use	0	0	999999999	0.0539
Quarterly Ctl Load	Meter Reading Charge	0	0	0	0.12619
Quarterly Ctl Load	Meter Reading Charge	0	0	0	0
Quarterly Ctl Load	Metering Charges	0	0	0	0.0565
Quarterly Ctl Load	Metering Charges	0	0	0	0.4629
Quarterly Ctl Load	Metering Charges	0	0	0	0.8504
Quarterly Ctl Load	Metering Charges	0	0	0	0
Quarterly Ctl Load	Metering Charges	0	0	0	0
Quarterly Ctl Load	Metering Charges	0	0	0	0

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM_UNITS	UPPER_LIMIT	CHARGE
Quarterly Ctl Load	Off Peak Use	0	0	999999999	0.0539
Quarterly Ctl Load	Meter Reading Charge	0	0	0	0.12619
Quarterly Ctl Load	Meter Reading Charge	0	0	0	0
Quarterly Ctl Load	Metering Charges	0	0	0	0.0565
Quarterly Ctl Load	Metering Charges	0	0	0	0.4629
Quarterly Ctl Load	Metering Charges	0	0	0	0.8504
Quarterly Ctl Load	Metering Charges	0	0	0	0
Quarterly Ctl Load	Metering Charges	0	0	0	0
Quarterly Ctl Load	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate	Supply Charge	0	0	999999999	0.3004
Quarterly LV Res 1 Rate	Peak Use	0	0	333.3	0.1175
Quarterly LV Res 1 Rate	Peak Use	0	0	999999999	0.1523
Quarterly LV Res 1 Rate	Meter Reading Charge	0	0	0	0
Quarterly LV Res 1 Rate	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0.8504
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0.0565
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0.4629
Quarterly LV Res 1 Rate	Supply Charge	0	0	999999999	0.3004
Quarterly LV Res 1 Rate	Peak Use	0	0	333.3	0.1175
Quarterly LV Res 1 Rate	Peak Use	0	0	999999999	0.1523
Quarterly LV Res 1 Rate	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Res 1 Rate	Meter Reading Charge	0	0	0	0
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0.8504
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0.0565
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0.4629
Quarterly LV Res 1 Rate	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Quarterly LV Res 1 Rate & Cntl Load	Peak Use	0	0	333.3	0.1175
Quarterly LV Res 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1523
Quarterly LV Res 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Quarterly LV Res 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Quarterly LV Res 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.8504

DESCRIPTION	BILL_TEXT	MINCHG	MINIMUM _UNITS	UPPER _LIMIT	CHARGE
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate & Cntl Load	Supply Charge	0	0	999999999	0.3004
Quarterly LV Res 1 Rate & Cntl Load	Peak Use	0	0	333.3	0.1175
Quarterly LV Res 1 Rate & Cntl Load	Peak Use	0	0	999999999	0.1523
Quarterly LV Res 1 Rate & Cntl Load	Off Peak Use	0	0	999999999	0.0539
Quarterly LV Res 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0
Quarterly LV Res 1 Rate & Cntl Load	Meter Reading Charge	0	0	0	0.12619
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.0565
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.4629
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0.8504
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
Quarterly LV Res 1 Rate & Cntl Load	Metering Charges	0	0	0	0
PV Zero Rate - Solar Co Gen	Peak Use	0	0	999999999	0
PV Zero Rate - Solar Co Gen	Peak Use	0	0	999999999	0
Zero Rate - Solar Co Gen	Peak Use	0	0	999999999	0
Zero Rate - Solar Co Gen	Peak Use	0	0	999999999	0

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