Initial Pricing Proposal 2020/21

2020-25 Initial Pricing Proposal
June 2020

SA Power Networks

Empowering South Australia

This page is intentionally left blank

Executive summary

This Initial Pricing Proposal (**IPP**) has been prepared by SA Power Networks to meet the requirements of the Australian Energy Regulator's (**AER**) amended timeline for its annual pricing process. This revised timeline has been necessary because of delays to the Regulator's Final Decision for our 2020-25 Network Revenue Determination (the Reset).

SA Power Networks' revenue for managing the distribution network in 2020/21 has been set by the AER at $775.910M. This allowance is before the addition of incentives associated with the Service Incentive Scheme (**STPIS**) of 4.22%.

Tariffs have been set to recover total allowed revenue for 2020/21, including STPIS, of $808.658M. This compares with anticipated recovery of $858.2M in 2019/20.

The AER's headline 2020/21 revenue of $775.9M represents a nominal reduction of -9.6%. After including the STPIS allowance (ie taking the total revenue to $808.7M) the nominal reduction in distribution charges becomes -4.3%.

The tariffs have been prepared to incorporate the new tariff structures associated with our 2020-25 Tariff Structure Statement (**TSS**). These new tariffs change several of our billing parameters. These changes, plus forecast lower sales volumes associated with the continued uptake of PV by customers, of energy efficiency and some shorter-term impacts from COVID-19, have been incorporated in the proposed prices. Sales volumes have been reduced by 1.0% specifically to reflect an estimate of the impact on business demand of COVID-19.

In its Final Decision, the AER announced an average reduction in the distribution network price for two specific customers used in the AER's Default Market Offer (**DMO**).

- Residential 4 MWh customer, and
- Small Business 20 MWh single rate customer.

The following table shows for these two customers the expected AER reduction proposed, the reduction implied after adjusting for the STPIS increment and the SA Power Networks proposed price. The table shows that this IPP delivers the expected reduction to these customers.

	Residential 4 MWh pa single rate $pa incl. GST	Small Business 20 MWh pa single rate $pa incl. GST
Default Market Offer 2019/20	**$1,941**	**$9,120**
DUoS Charges 2019/20	$594	$2,648
Nominal Reduction 2020/21	-$40	-$166
AER Expected DUoS charges 2020/21	**$554**	**$2,482**
plus STPIS +4.22% revenue	$23	$105
AER Adjusted DUoS charges 2020/21	**$578**	**$2,587**
IPP DUoS charges 2020/21	$524	$2,260
plus GST	$52	$226
IPP charges incl GST	**$577**	**$2,486**
Variation IPP to AER adjusted decision $	**-$1 lower**	**-$101 lower**
Variation IPP to AER adjusted decision %	**-0.2% lower**	**-3.9% lower**

The result of the AER's Final Decision and the new tariffs from our TSS has been summarised below and show the change in the weighted average distribution price ($/MWh). Variations occur through tariff class rebalancing and the change in sales forecast for each tariff class.

The table below shows that Distribution charges will fall from $858.2M in 2019/20 to $808.7M in 2020/21. The changes in each tariff class is shown, as well as within Residential between the controlled load (hot water) and all other residential charges. The table also shows the change in sales volume forecast for both years. Usage overall is forecast to decline from 9,844 GWh in 2019/20 to 9,693 GWh in 2020/21. The weighted average price for each tariff class can be derived by dividing the forecast revenue by the forecast usage. The average price overall will fall by -4.3%, with residential average prices falling by -4.3%. The outcomes for individual customers will vary from this simple average.

Weighted Average Revenue – Distribution charges (**DUoS** - excl GST)

	2019/20 Forecast			2020/21 Forecast			
DUoS	$m	GWh	Average Price $/MWh	$m	GWh	Average Price $/MWh	Change in Price %
Residential only	*429.0*	*3,131.0*	*137.01*	*416.4*	*3,187.0*	*137.01*	*-4.6%*
Controlled Load	*21.2*	*477.3*	*45.20*	*21.2*	*471.0*	*45.20*	*-0.2%*
Residential	450.2	3,600.5	125.04	437.6	3,658.0	119.64	-4.3%
Small Business	152.0	1,412.3	107.65	141.5	1,346.3	105.10	-2.4%
Large LV Business	207.4	2,937.0	70.60	183.6	2,751.0	66.73	-5.5%
HV Business	36.4	760.4	47.91	33.5	745.0	45.09	-5.9%
Major Business	12.2	1,134.0	10.79	12.4	1,154.6	10.40	-3.7%
TOTAL	**858.2**	**9,844.2**	**87.18**	**808.7**	**9,693.2**	**84.43**	**-4.3%**

The table below shows total network charges, ie the distribution charges shown above plus the transmission charges and the SA Government PV FiT Scheme charges. Average network prices ($/MWh) fall by -1.8% in nominal terms with residential prices falling by -3.0%. The principal component of Major Business network prices is transmission. The increase in transmission prices in 2020/21 results in a nominal price increase for Major Business.

Weighted Average Revenue – Network charges (**NUoS** - excl GST)

	2019/20 Forecast			2020/21 Forecast			
NUoS	$m	GWh	Average Price $/MWh	$m	GWh	Average Price $/MWh	Change in Price %
Residential only	*578.6*	*3,131.0*	*184.78*	*572.6*	*3,187.0*	*179.68*	*-2.8%*
Controlled Load	*35.0*	*477.3*	*73.40*	*31.7*	*471.0*	*67.40*	*-8.2%*
Residential	613.0	3,600.5	170.26	604.4	3,658.0	165.22	-3.0%
Small Business	206.9	1,412.3	146.48	196.5	1,346.3	145.99	-0.3%
Large LV Business	286.7	2,937.0	97.61	266.5	2,751.0	96.89	-0.7%
HV Business	54.8	760.4	72.05	51.4	743.7	69.08	-4.1%
Major Business	31.0	1,134.0	27.30	34.1	1,194.2	28.52	4.5%
TOTAL	**1,192.3**	**9,844.2**	**121.12**	**1,152.9**	**9,693.2**	**119.43**	**-1.8%**

It should be noted that SA Power Networks recovers network costs directly from retailers, who determine how these charges are passed on to customers. The final retail bill received by customers comprises retail costs, energy generation costs, network charges (for distribution and transmission) and the costs of government schemes. Residential and Small Business customers typically receive a 'bundled tariff' which incorporates all such charges.

The average 2020/21 NUoS $/MWh price in this IPP is 5.2% higher than that forecast in the December 2019 Revised proposal TSS. This results from a change in revenues/costs and in sales volumes that have occurred over the last year. Network costs to be recovered in 2020/21 have increased by +$63.5M (+5.8%) due to:

- The AER's Final Decision for 2020-25 allowed a similar level of Distribution Revenue over the five years as the Revised Proposal, but has higher initial revenues and lower revenues in latter years, ie the P0 reduction in year 1 was lower and the X-factor reduction for subsequent years was greater. 2020/21 revenue is +$16.5M.
- The STPIS Distribution Revenue allowance for 2020/21 has been determined since the Revised Proposal was prepared. 2020/21 revenue is +$32.7M.
- These two components increase Distribution charges in 2020/21 by $49.2M (+6.5%) from that forecast in the Revised Proposal.
- Higher transmission charges for 2020/21 have been advised by ElectraNet. The recovery of these costs will be +$13.2M (+5.3%).
- PV FiT Recovery Charges are $1.0M (1.3%) higher than in the Revised Proposal.

The forecast sales volumes have changed from that assumed in the Revised Proposal, particularly in the mix between tariff classes:

- The decline in residential usage volumes forecast in the Revised Proposal has been replaced by a more stable outlook for usage, resulting in a +6.4% change in the 2020/21 forecast.
- The optimistic outlook for business sales volumes in the Revised Proposal has been replaced by a continuing decline in usage resulting from higher levels of energy efficiency, use of PV and economic issues. This results in a -6.6% change in the 2020/21 forecast.
- Major Business sales increase +13.9% in this IPP versus the Revised Proposal because of the return of three major businesses to normal activity following seasonal hibernation or refurbishment of facilities.

The combination of the increase in costs and the change in sales forecasts results in average prices in this IPP being +5.2% higher than predicted in the Revised Proposal. Business prices are closer to +10% higher than predicted, although they are lower than 2019/20 (see the weighted average revenue NUoS table above) .

Contents

List of figures

List of tables

1. Introduction

In the first year of a regulatory control period (**RCP**) the National Electricity Rules (**NER**) require SA Power Networks to submit an Initial Pricing Proposal (**IPP**) to the Australian Energy Regulator (**AER**) within 15 business days after the publication of the AER's distribution determination. This IPP is for the 2020/21 regulatory year, being the first year of our 2020-25 RCP and has been prepared in accordance with the requirements of the NER[1], the AER's 2020-25 Regulatory Determination[2] and the AER-approved 2020-25 Tariff Structure Statement (**TSS**).[3]

On 30 April 2020, the AER advised stakeholders of its decision to delay our final network revenue determinations until the end of May 2020. This decision was made to allow the AER to include a more accurate reflection of the economic circumstances in our decision for the next regulatory control period by enabling the inclusion of the Reserve Bank's updated short-term forecast of inflation. As a result of this delay, the AER provided our 2020/21 revenues and requested that we provide an Indicative Initial Pricing Proposal (**IIPP**) in May 2020, with a formal IPP to be submitted in June 2020.

This formal IPP sets out proposed prices for all of SA Power Networks' standard control services (**SCS**) tariffs for the 2020/21 regulatory year and the indicative pricing for years two to five of the 2020-25 RCP. This IPP also includes the ACS prices for the first year of the RCP and the indicative prices for the remainder of the period.

1.1 Our Business

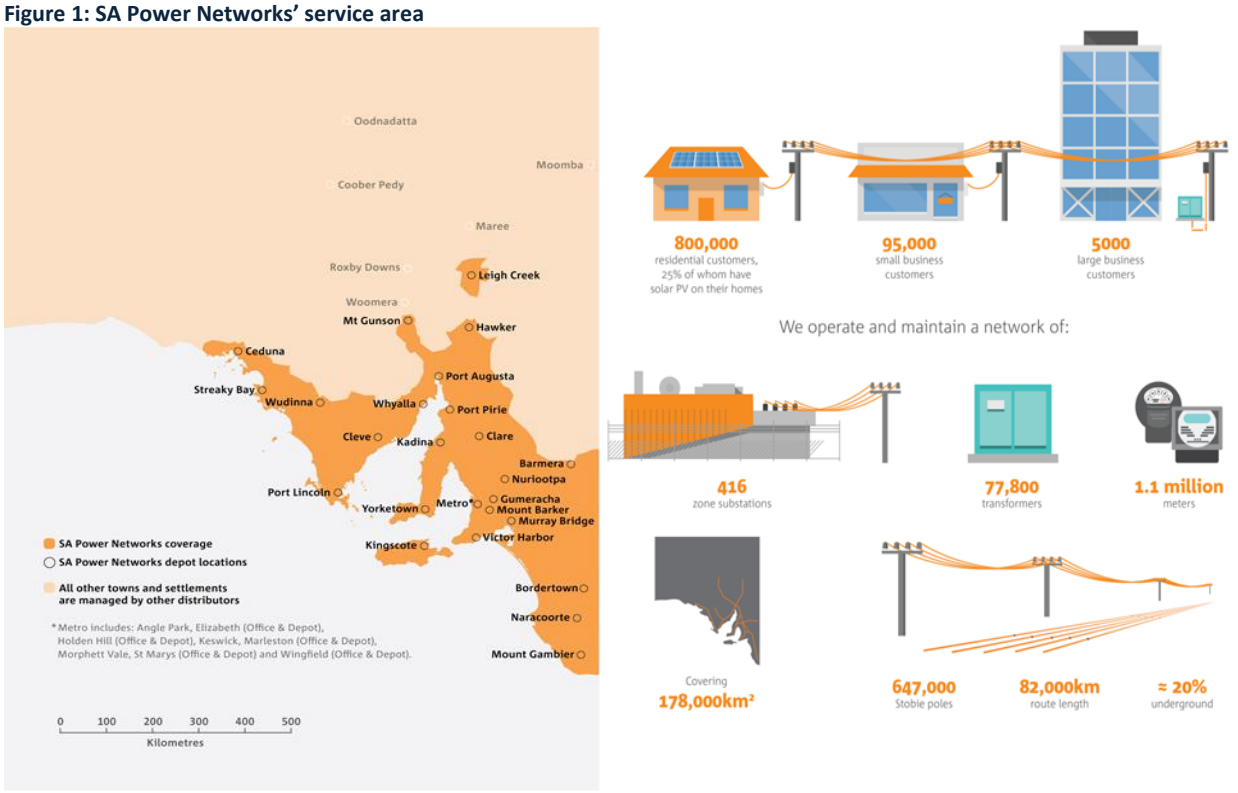
SA Power Networks is a Distribution Network Service Provider (**DNSP**) which operates within the National Electricity Market (**NEM**).

Our distribution network serves the state of South Australia, with a service territory of about 178,000 km^2, and with a coastline of over 5,000 km. The network's route length extends to more than 82,000 km, with approximately 20% underground. The network includes 416 zone substations, 77,800 distribution transformers, approximately 647,000 poles and 1.1 million meters. The extent of SA Power Networks' operations in South Australia is shown in Figure 1.

Except for much of the coastal area and the hinterland, South Australia is very sparsely settled. Approximately 70% of our customers reside in the greater Adelaide metropolitan area, including the great majority of business and commercial customers. However, the extensive area serviced by our distribution system results in 70% of the network powerline infrastructure delivering energy to the remaining 30% of customers. Compared with other states, there are relatively few regional centres, and they are generally small and sparsely located. As a result, the average customer density across the State is very low.

[1] Version 132, February 2020.
[2] AER, Final Decision – SA Power Networks Determination 2020-25, Revenue Year 1, April 2020.
[3] AER, Final Decision – SA Power Networks Tariff Structure Statement 2020-25, May 2020.

Figure 1: SA Power Networks' service area



Our primary role is operating, building, extending, maintaining and upgrading South Australia's distribution network. In this capacity, SA Power Networks plays an important role in supporting the achievement of South Australia's economic, community and social objectives.

We are committed to delivering on our regulated obligations, including high levels of service, reliability, safety and efficiency for the South Australian community. The key services we provide include:

- Delivering electricity from ElectraNet's transmission network, through the distribution poles and wires, to homes and businesses;
- Maintaining the reliability and safety of the distribution network of substations, poles, wires and transformers;
- Extending and upgrading the distribution network to meet changing needs; and
- Providing an emergency response in the event of power outages.

We also monitor and read electricity meters[4] and maintain streetlights. These two services are provided under separate pricing arrangements to our standard control services.

1.2 Network tariff objectives

Our network tariffs have been developed in accordance with the NER.[5] The methodologies described in our AER-approved 2020-25 TSS are designed to allow for recovery of efficient regulated costs of providing distribution services to our customers.

The AER has reclassified our Negotiated Distribution Services to ACS from 1 July 2020. The pricing for these services has been included in this IIPP.

[4] Changes to the NER, from 1 December 2017, mean that Retailers are responsible for installing all new and replacement electricity meters in South Australia. SA Power Networks will continue to be responsible for the monitoring and reading of the existing meters until they are replaced.

[5] NER 6.18.2(b)(2) to (8).

1.3 Summary of key changes in this IPP - Residential

This section outlines the key changes for 2020/21 compared to 2019/20 for residential customers:

- Residential Time of Use (**ToU**) and Residential Prosumer tariffs are available as opt-in to Type 4 meter customers.
- Controlled load on interval meters must use the controlled load ToU tariff from 1 July 2020.
- Residential trial tariffs for ToU expire on 30 June 2020 and are replaced by items 1 and 2 above.
- Residential demand tariff expires on 30 June 2020 and is replaced by the prosumer tariff.

1.4 Summary of key changes in this IPP – Small Business

This section outlines the key changes for 2020/21 compared to 2019/20 for small business customers:

- Small business ToU and Small business ToU with maximum demand are available as opt-in to Type 4 meter customers.
- Small business actual demand transition tariff expires on 30 June 2020. The small business actual demand tariff continues for those customers using the tariff or those that were on the transitional tariff on 30 June 2020.
- Type 4 Meter customers can opt to use business single rate, business two-rate, either of the new ToU tariffs or to remain on the small business actual demand tariff during 2020/21. These options are available to all small business including those that were previously obligated to use a demand tariff in 2019/20.
- Small business agreed annual demand tariff expires on 30 June 2020. These customers will be reassigned to the default ToU tariff but can opt-in to the other small business tariff options.

1.5 Summary of key changes in this IPP – Large Business

This section outlines the key changes for 2020/21 compared to 2019/20 for large business customers:

- New demand tariffs are available from 1 July 2020. There is an annual tariff utilizing the maximum recorded of the last year and a monthly version which uses the actual summer peak outcomes for each of the five summer months. The summer peak demand window varies, with the CBD measured from 11:00am to 5:00pm workdays and the rest of SA measured from 5:00pm to 9:00pm on all days.
- The actual demand tariff continues to be available for those customers using it on 30 June 2020. These customers can elect to use one of the tariffs mentioned above.
- Large business agreed annual demand tariff expires on 30 June 2020. These customers will be reassigned to the default annual demand tariff but can opt-in to the other tariff options. The sportsground version of these tariffs also closes on 30 June 2020.
- The Riverland trial tariffs expire on 30 June 2020, the concepts used in these tariffs have been incorporated into the new annual demand tariffs. Trial participants will be assigned to the new tariff but can opt-in to the other tariff options.
- Customer specific versions of the large business tariffs where individual circumstances require. These include locational transmission charges, combination of significant supplies adjacent to each other and charges for some dedicated assets.
- The zone substation and subtransmission customers continue to use the agreed annual demand tariff as they are tariff is dominated by the transmission component.

1.6 Structure of this document

This IPP has been structured to demonstrate compliance with the specific requirements of the Rules and the AER's Regulatory Determination for 2020-25. The substantive sections of the IPP are set out in Table 1.

Table 1: Structure of SA Power Networks' Pricing Proposal

Section		Purpose	NER clause
1	Introduction	Introduces the Pricing Proposal and provides background information	-
2	Tariff classes and tariffs	Explains how we recover revenue from our customers and outlines our tariff classes, tariff structures and their charging parameters	6.18.2(b)(2-3,8); 6.18.3
3	Standard control services charges	Demonstrates compliance with the Rules and the AER's Final Decision with respect to the control mechanism, the revenue X factors, side constraints and the NER pricing principles. Sets out our cost recovery for DUoS, TUoS and JSO	6.18.2(b)(4-8); 6.18.5; 6.18.6; 6.18.7 and 6.18.7A
4	Alternative control services	Sets out the control mechanisms for alternative control services pricing as per the AER's revenue determination	6.18.2(a)(2)
Appendices			
A	Compliance Checklist	Identifies where the pricing rule requirements have been met in our IPP.	-
B	Standard control services tariff schedules	Sets out our standard control services tariff schedules	6.18.2(d)(e)
C	Alternative control services tariff schedules	Sets out our alternative control services price schedules	6.18.2(d)(e)
D	Shortened forms	Provides a description of the shortened forms used within this document	-
E	List of attachments	Lists attachments to this Pricing Proposal	-

1.7 Confidential information

The NER[6] classifies all network pricing information about a Distribution Network User used by a DNSP for the purposes of network pricing as confidential.

SA Power Networks has not provided any confidential documents with this IIPP.

[6] NER 6.19.2

2. Tariff classes and tariffs

This section describes SA Power Networks' standard control service tariff classes and related tariff structures. It sets out the way our tariffs have been constructed to comply with the requirements of the NER and the AER's 2020-25 Distribution Determination.

2.1 How we recover revenue

SA Power Networks' Network Use of System (**NUoS**) tariffs are an aggregation of Distribution Use of System (**DUoS**) tariffs, metering services tariffs, Transmission Use of System (**TUoS**) cost recovery tariffs and the SA Government's JSO scheme for PV FiT.

Retailers may pass through the components of SA Power Networks' network tariffs to customers directly or modify their structure by bundling with the retail component. Bundling includes the cost of purchasing wholesale energy from the NEM and retail costs. This is at the discretion of retailers.

This section outlines the distribution tariff structures, which are designed to recover the cost of providing standard control services to customers.

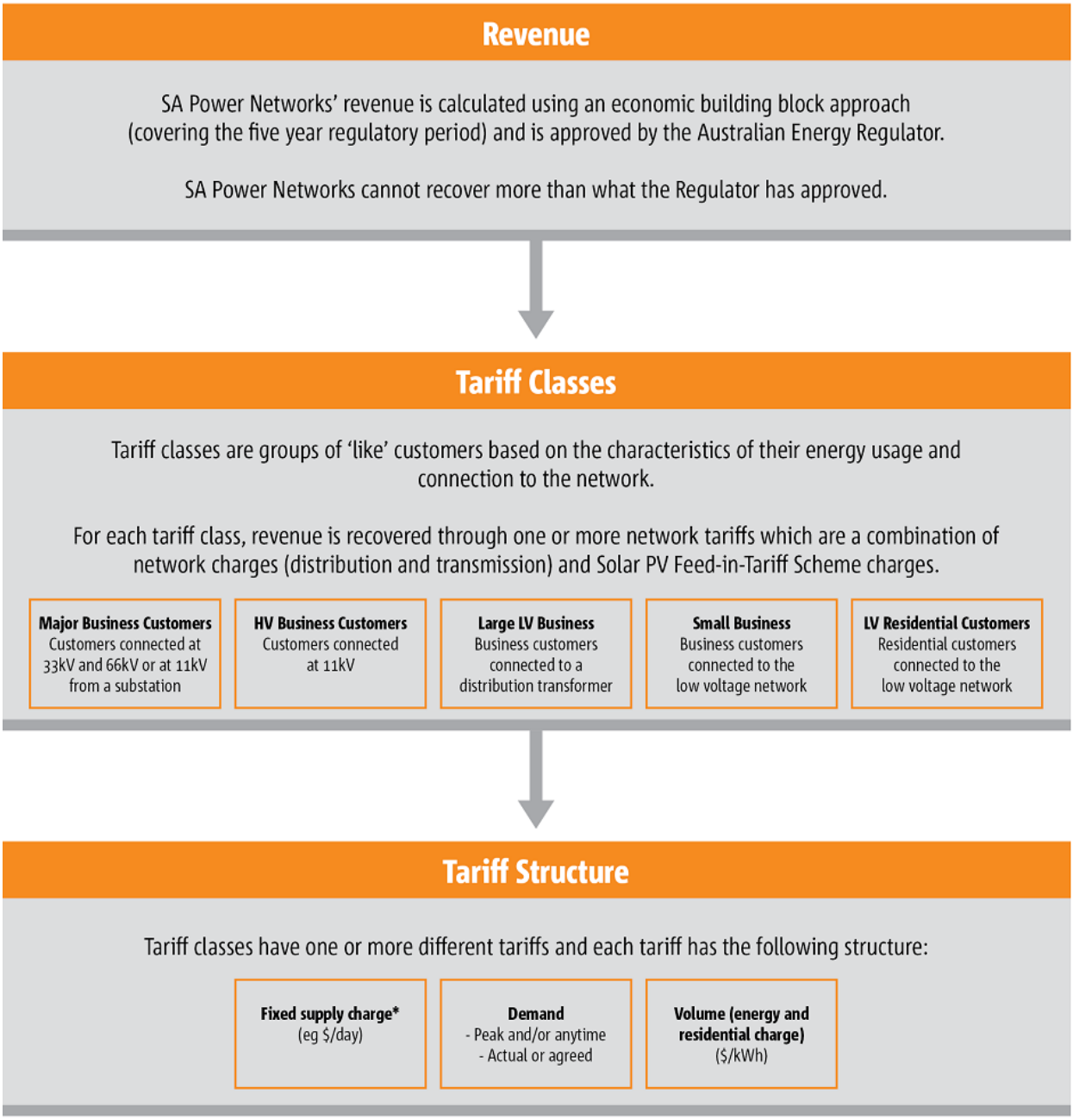
The process by which SA Power Networks recovers the SA Government solar PV-FiT payments through the JSO is described in Section 3.3. These amounts are paid to retailers to be applied to the accounts of the owners of qualifying PV electricity generators.

The NER requires tariff structures to have two main functions:

- to send a price signal for efficient consumption via the retailer; and
- to recover revenue from customers in a way that as much as possible reflects the total efficient cost of supplying those customers without distorting the efficient price signal.

Our allocation of revenue requirements to tariff classes and then tariffs is illustrated in Figure 2. It is a three-stage process, involving determining the allowed revenue, splitting that revenue across the five tariff classes (and their tariffs) and finally setting prices for each tariff parameter to recover from customers the revenue allocated to that tariff class (and their tariffs).

Figure 2: Allocation of revenue to tariff classes/tariffs and to tariff parameters



*Doesn't necessarily appear in all demand-based tariff structures

The grouping of customers into standard control service tariff classes and the tariffs therein has historically distinguished between customers based on the following factors:

- the nature and extent of usage of different types of customer (eg residential and small business customers);
- for large business customers, the nature of connection to the network, including the voltage of connection;
- whether the customer also receives a controlled load service; and
- the type of meter installed at the premises (for large LV business customers).

Section 4 of this IPP outlines the arrangements for SA Power Networks' alternative control services (ie metering, public lighting and ancillary network services).

2.2 Standard control services tariff classes

SA Power Networks' network tariff classes and tariffs for 2020-25 are summarised in Table 2. The tariff classes have been constituted with regard to the provisions of the NER[7] concerning economic efficiency and transaction costs.

The suite of tariffs provides:

- a range of tariffs which are dependent upon a customer's size, consumption characteristics and voltage of connection (these factors are generally related); and
- Long Run Marginal Cost (**LRMC**) cost-reflectivity in the demand tariff options, facilitated by the metering arrangements.

Table 2: SA Power Networks' tariff classes and associated tariffs

Tariff class	Customer type	Tariffs
Residential	Low voltage residential customers, single phase and three phase	RSR, RSROPCL, RSRCL, RTOU, RTOUCL, RPRO, RPORCL
Small business	Low voltage businesses consuming less than 160MWh per annum, single phase and multi-phase	LVUU, LVUU24, BSR, BSRCL, B2R, B2RCL, BCL, SBTOU, SBTOUD, SBD
Large business – low voltage	Low voltage businesses consuming more than 160MWh per annum or having more than 100kW of generation approved	LBSR, LBSRCL, LB2R, LB2RCL, LBAD, LBMD, LBMDW, BD, LBB, LBADB, LBG
Large business – high voltage	High voltage businesses generally supplied at 11kV	HVAD, HVMD, HVMDW, HBD, HVAD500, HVBB, HVADB, HVBG
Large Business – major business	Businesses requiring at least 5MVA of capacity connected to the sub-transmission network or a zone substation	ZSN, ZSN+B, ZSSXXX, ZSNXXX, STN, STN+B, STRXXX, STNXXX

The structure of our tariffs, and the associated tariff charging parameters for each tariff within a tariff class, follow in Section 2.3.

2.3 Tariff assignments, structures and charging parameters

Within each of our five standard control services tariff classes we offer several different network tariffs. The basic structure of our tariffs is very similar to that of other electricity distributors in the NEM with four key tariff components:

- A fixed supply charge ($ per day, month or quarter);
- A peak demand charge to send a forward Long Run Marginal Cost (LRMC) price signal ($ per kW or kVA per day) for upstream assets;
- An anytime annual demand charge that recovers the costs of local connection/network assets used by that customer; and
- A volume charge ($/kWh) to recover residual costs not recovered by the other two elements. The volume charge may have a TOU pricing depending on metering capability.

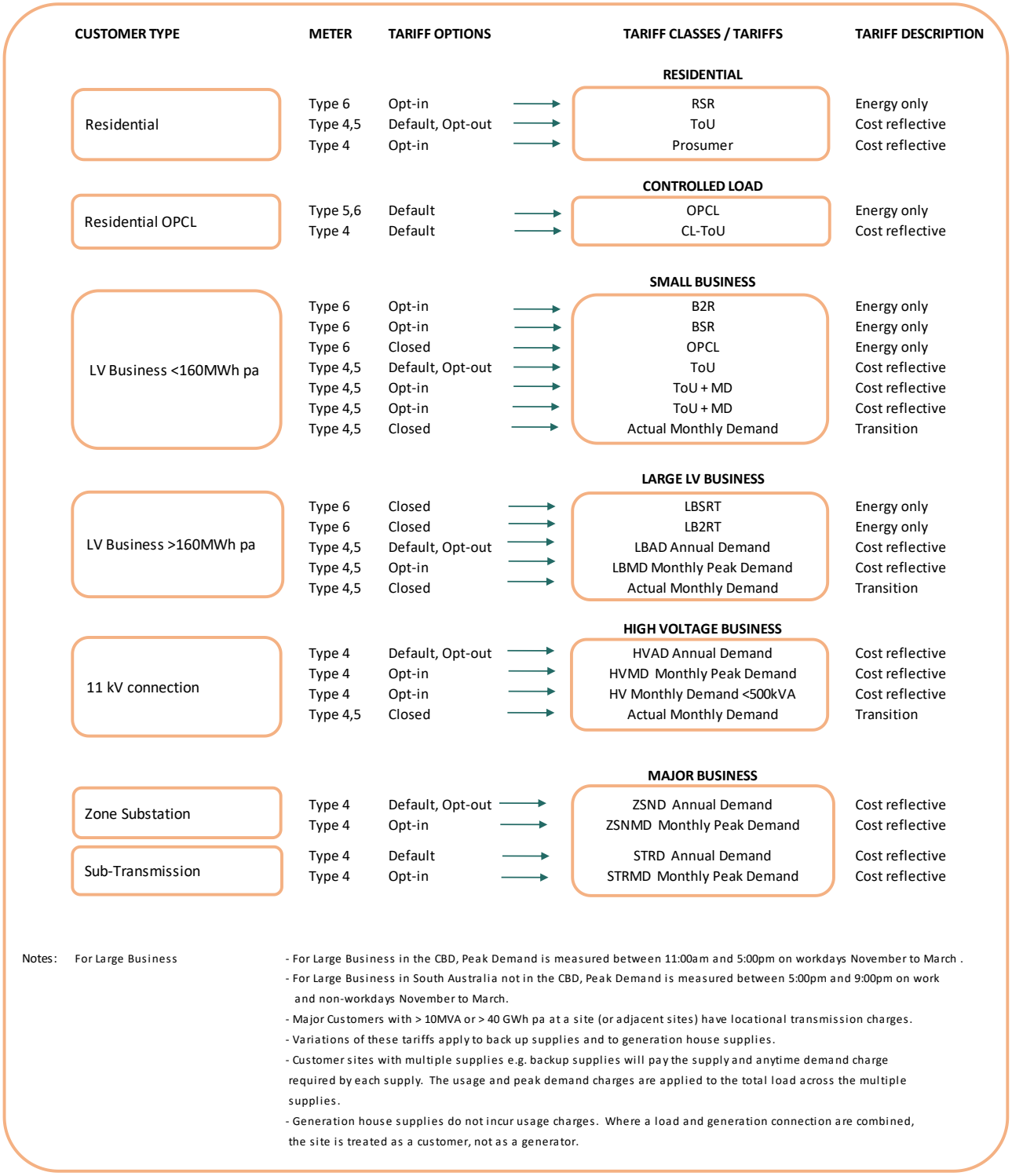
Many small customers are not assigned to a tariff with a peak demand charge today, therefore the volume charge recovers a greater portion of total costs. Customers using accumulation (Type 6) legacy meters may

[7] NER 6.18.3(d)

not have any tariff choice unless they request a meter change from their retailer. Customers need to be assigned to a particular tariff in accordance with the NER.

Outlined in Figure 3 are the options for tariff assignment that will be available in the 2020-25 RCP, with Table 3 to Table 7 providing a summary of these tariff structures and charging parameters. Further information on our tariff structures and assignment policies can be located in our AER-approved 2020-25 Tariff Structure Statement Part A.

Figure 3: Assignment of new and upgraded customer connections to tariff classes 2020/21



2.3.1 Changes within the regulatory year

SA Power Networks does not propose to make any variations or adjustments to the structure of its network tariffs during 2020/21.

In response to the economic uncertainty resulting from the COVID-19 pandemic, the initial tariff assignment on 1 July 2020 and during the first year of the regulatory control period (2020/21) will differ from the remainder of the 2020-25 RCP, particularly for small customers (residential and small business).

COVID-19 Impacts on Tariff assignments during 2020/21

a) The following small customer tariffs remain open during 2020/21 but are closed to new customers[8] from 1 July 2021:
   - Residential Single rate (RSR) for type 4 or type 5 meters;
   - Small Business Single rate (BSR) for type 4 or type 5 meters;
   - Small Business 2-Rate (B2R) for type 4 or type 5 meters;
   - Companion OPCL controlled load tariff for BSR and B2R for type 4 or type 5 meters; and
   - Small Business Actual kVA demand – transition (SBD) for type 4 meters.

b) Note that Large Business Actual kVA Demand (BD and HBD) are closed to new customers[9] from 1 July 2020, as originally proposed in this TSS.

Residential and Small business – Initial Tariff Assignment 2020/21

c) On 1 July 2020, all existing customers will remain on the tariff they were assigned to as at 30 June 2020 unless:
   - The customer needs to be reassigned to a different tariff class because of their characteristics, e.g. they should be classified as small business, not large LV business. If there is a similar tariff available in the new tariff class, then that tariff will be used. Otherwise, they will be assigned to the default tariff for that tariff class, meter type, and size of customer.
   - The tariff is removed from 1 July 2020, e.g. SLV Agreed Demand (Small business). The retailer may elect an alternate tariff, otherwise SA Power Networks will assign the customer to either the default tariff or the least-cost tariff, as advised to the retailer.
   - The tariff was off peak controlled load (OPCL) paired with a residential tariff using a type 4 meter. In this situation, the tariff assigned will be controlled load time-of-use (CL-ToU) with residential single rate (RSR), unless the Retailer opts-in to either residential time-of-use tariff (RTOU) or residential prosumer tariff (RPRO) for that customer.

The retailer informs SA Power Networks of the desired tariff assignment for that existing customer prior to 1 July 2020.

d) During 2020/21:
   - A new residential or small business customer who connects to the distribution network or an existing customer who initiates an upgrade to their connection (e.g. to connect distributed energy resources (DER)) will be assigned to the default tariff for interval meters for that tariff class. The retailer may request to opt-out the customer of that tariff assignment to legacy type 6 meter tariffs still open. The retailer may request the customer opt-in to new type 4 meter tariffs. The retailer will advise SA Power Networks of such elections.
   - Existing customers will remain assigned to their current tariff after receiving a type 4 meter to replace a type 5 or type 6 meter as an end of life meter replacement or for other reasons not

[8] ie anyone not assigned to these tariffs by 30 June 2020
[9] ie anyone not assigned to these tariffs by 30 June 2020

initiated by the customer. The retailer may request the customer opt-in to new type 4 meter tariffs. The retailer will advise SA Power Networks of such elections.

Residential and Small business – Choice of Tariff Assignment 2020/21

e) During 2020/21:
- Retailers can request that a customer be reassigned from one tariff to another. This may be a transfer from the default to an opt-in, from an opt-in back to the default, or from a closed transition tariff to an open tariff.
- A retailer can request one tariff reassignment for a residential and small business customer during 2020/21. This tariff reassignment is in addition to the initial tariff assignment, e.g. the 1 July 2020 tariff assignment (see d) above) or assignment of new connections (see e) above).
- Where there is a change of retailer and/or customer at a national metering identifier (NMI), the existing tariff assignment will continue unless the retailer requests otherwise. The new retailer can request a tariff reassignment independent of any tariff choices made by the previous retailer.

Large Business[10] – Initial Tariff Assignment 2020/21

f) On 1 July 2020, all existing customers will remain on the tariff they were assigned to as at 30 June 2020 unless:
- The customer needs to be reassigned to a different tariff class because of their characteristics, e.g. they should be classified as large LV business, not small business. If there is a similar tariff available in the new tariff class, then that tariff will be used. Otherwise, they will be assigned to the default tariff for that tariff class, meter type, and size of customer.
- The tariff is removed from 1 July 2020, e.g. LV Agreed Demand (Large LV Business) and HV Agreed demand (HV Large Business). The retailer may elect an alternate tariff, otherwise SA Power Networks will assign the customer to either the default tariff or the least-cost tariff, as advised to the retailer.
- The retailer informs SA Power Networks of the desired tariff assignment for that existing customer prior to 1 July 2020.
    - Note that a large business customer or their agent may prior to 1 July 2020 instruct their retailer of which network tariff they feel best suits their business for 1 July 2020. The retailer shall inform SA Power Networks of this choice.

g) During 2020/21,
- A new large business customer who connects to the distribution network or an existing small business customer who upgrades their connection will be assigned to the default tariff for interval meters for that tariff class. The retailer may request to opt-out the customer of that tariff assignment to other type 4 meter tariff options still open. The retailer may request the customer opt-in to new type 4 meter tariffs. The retailer will advise SA Power Networks of such elections.
    - Note that a large business customer or their agent may prior to 1 July 2020 instruct their retailer of which network tariff they feel best suits their business for 1 July 2020. The retailer shall inform SA Power Networks of this choice.
- During 2020/21, an existing large business customer with a type 6 meter who receives a type 4 meter for any reason will be assigned to the default tariff for that tariff class, meter type, and size of customer. The retailer may request the customer opt-in to new type 4 meter tariffs. The retailer will advise SA Power Networks of such elections.

[10] Incorporates Large LV Business, HV Business and Major Business tariff classes, broadly >160 MWh

Large Business – Choice of Tariff Assignment during 2020/21

h) During 2020/21:
- Retailers can request that a customer be reassigned from one tariff to another. This may be a transfer from the default to an opt-in, from an opt-in back to the default, or from a closed transition tariff to an open tariff.
    - A retailer can request one tariff reassignment for a large business customer during 2020/21. This tariff reassignment is in addition to the initial tariff assignment e.g. the 1 July 2020 tariff assignment (see i) above).
    - A customer may only be reassigned from Actual Monthly Demand (BD) or Monthly Demand to Annual Demand on 1 July 2020 or 1 January 2021.
    - A customer can only be reassigned to Actual Monthly Demand (BD) or Monthly Demand from Annual Demand or Agreed Annual Demand on 1 July 2020 or 1 January 2021.
    - Note that a large business customer or their agent may during 2020/21 instruct their retailer of which network tariff they feel best suits their business. The retailer shall inform SA Power Networks of this choice.
- Where there is a change of retailer and/or customer at a national metering identifier (NMI), the existing tariff assignment will continue unless the new retailer requests otherwise. The new retailer can request a tariff reassignment independent of any tariff choices made by the previous retailer.

2.3.2 Residential Tariffs

Table 3: Residential tariff structures and charging parameters 2020/21

Network tariff	Status/ metering	Components	Measurement	Charging parameter
Residential Single rate	**Opt-in** (type 4) **Default** Accumulation meter (Type 6)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage	$/kWh	Single block usage charge
		Controlled load	$/kWh	Usage-based companion tariff (see below)
Residential Time of Use (ToU)	**Default** Interval meter, either: remotely read (Type 4); or - manually read (Type 5)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage – Peak	$/kWh	Peak Pricing for the 14 hours per day not captured in the off-peak/solar sponge windows at 125% of the single rate price
		Usage – Off-peak	$/kWh	Five-hour off-peak block every day: 1:00am to 6:00am (local time) at 50% of the single rate price
		Usage – Solar Sponge	$/kWh	Five-hour off-peak block every day: 10:00am to 3:00pm (local time) at 25% of the single rate price
		Controlled load	$/kWh	Usage-based companion tariff (see below)
Residential Prosumer	**Opt-in** Remotely read interval meter (Type 4)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage – Peak	$/kWh	Peak Pricing for the 14 hours per day not captured in the off-peak/solar sponge windows at 75% of the single rate price*
		Usage – Off-peak	$/kWh	Five-hour off-peak block every day: 1:00am to 6:00am (local time) at 30% of the single rate price*
		Usage – Solar Sponge	$/kWh	Five-hour off-peak block every day: 10:00am to 3:00pm (local time) at 15% of the single rate price*
		Demand – Summer	$/kW/month Nov-March only	Monthly demand charge based on maximum kW demand measured: • Highest daily average demand over a four-hour period November to March. • Between 17:00-21:00hrs local time
		Controlled load	$/kWh	Usage-based companion tariff (see below)

* Usage rates for the Residential Prosumer tariff are set at 60% of the equivalent usage rate for the Residential ToU tariff

2.3.3 Off-peak controlled load (OPCL) tariffs

Table 4: Controlled load tariffs 2020/21

Network tariff	Status/ metering	Components	Measurement	Charging parameter
Companion Controlled Load (hot water) tariffs				
Controlled load Residential and Small business	**Closed ** 01/07/2020** Legacy meters (Type 5, 6)	Flat rate	$/kWh	Based on usage - time clock is managed by SA Power Networks, and typically involves supply usage between 11:00pm to 7:00am and from 10:00am to 3:00pm. Priced at 50% of the single-rate prices
Controlled load Residential and Small business	**Default** Interval meter (Type 4)	Usage – Peak	$/kWh	Peak Pricing for the 13 hours per day not captured in the off-peak/solar sponge windows at 125% of the single rate price
		Usage – Off-peak	$/kWh	Based on usage from 11:30pm to 6:30am (Central Standard Time) with randomised start time of at least one hour. At 50% of the single rate price
		Usage – Solar Sponge	$/kWh	Based on usage from 9:30am to 3:30pm (Central Standard Time) with randomised start time of at least one hour. At 25% of the single rate price

* For Type 4 meters, the time clock is managed through the meter by the retailer and the metering coordinator. For Type 5 meters, the time clock is adjusted manually by SA Power Networks.

** Some customers may currently have a type 6 meter for general supply and type 5 or 6 meter for OPCL. Where the customer's general supply meter is upgraded to type 4, we expect the customer's OPCL type 5 or 6 meter would also need to be replaced and upgraded. In this instance, the customer would be reassigned from the OPCL legacy meter tariff to the default CL-TOU type 4 meter type.

2.3.4 Small business tariffs

Table 5: Small business tariff structures and charging parameters (<160MWh pa) 2020/21

Network tariff	Status/ metering	Components	Measurement	Charging parameter
Small business Single rate	**Opt-in** (type 4,5) **Default** Accumulation meter (Type 6)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage	$/kWh	Anytime based on usage
		Controlled load	$/kWh	Usage-based companion tariff (see above)
Small business two-rate	**Opt-in** (type 4,5) **Default** Accumulation meter (Type 6)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage – Peak	$/kWh	7:00am to 9:00pm five days a week (Monday to Friday) or possibly all days of the week
		Usage – Off-peak	$/kWh	All times not picked up in peak usage
		Controlled Load	$/kWh	Usage-based companion tariff (see above)
Small business Time of Use (ToU)	**Default** Interval meter, either: remotely read (Type 4); or - manually read (Type 5)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage – Peak	$/kWh	5:00pm to 9:00pm local time on all days during November through March
		Usage - shoulder	$/kWh	7:00am to 5:00pm workdays November to March, and 7:00am to 9:00pm April to October
		Usage – Off-peak	$/kWh	All times not picked up in peak or shoulder usage
Small business Time of Use (ToU) + Maximum Demand >120kVA	**Opt-in** Interval meter, either: remotely read (Type 4); or - manually read (Type 5)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage – Peak	$/kWh	5:00pm to 9:00pm local time on all days during November through March, at 80% of TOU price
		Usage - shoulder	$/kWh	7:00am to 5:00pm workdays November to March, and 7:00am to 9:00pm April to October, at 80% of TOU price
		Usage – Off-peak	$/kWh	All times not picked up in peak or shoulder usage, at 80% of TOU price
		Demand- annual	$/kVA/pa All year	Anytime Maximum demand charge based on highest half-hour demand during the last 12 months.
Small business Actual kVA demand - Transition	**Closed 01/07/2020** Interval meter (Type 4)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage	$/kWh	Anytime based on usage
		Demand – Peak Actual	$/kVA/month Nov-March only	Maximum demand charge based on actual monthly maximum kVA demand measured: • Over a 30-minute time period; and • 16:00 to 21:00hrs local time, workdays, Nov-March (Peak).
		Demand – Shoulder Actual	$/kVA/month All year	Maximum demand charge based on actual monthly maximum kVA demand measured: • Over a 30-minute time period; and • 12:00 to 16:00hrs local time, workdays, 12 months (Shoulder)

2.3.5 Large Business Tariffs (LV and HV tariff classes)

Table 6: Large business tariff structures and charging parameters (>160MWh pa) 2020/21

Network tariff	Status/ metering	Components	Measurement	Charging parameter
Large LV business Single rate	**Closed** Accumulation meter (Type 6)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage	$/kWh	Anytime based on usage at 120% of small business price
		Controlled load	$/kWh	Usage-based companion tariff (see above)
Large LV business two-rate	**Closed** Two-rate capability Accumulation meter (Type 6)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage – Peak	$/kWh	7:00am to 9:00pm five days a week (Monday to Friday) or possibly all days of the week at 120% of small business price
		Usage – Off-peak	$/kWh	All times not picked up in peak usage at 120% of small business price
		Controlled Load	$/kWh	Usage-based companion tariff (see above)
Large LV business Annual demand **HV Business Annual demand** **HV Business Annual demand <500kVA**	**Default** Interval meter (Type 4) *(Same prices apply to Central Business District (CBD) and Rest of SA; peak demand period differs)*	Fixed	$/customer/day	Fixed supply charge per annum
		Usage – Peak	$/kWh	7:00am to 9:00pm workdays (Monday to Friday)
		Usage – Off-peak	$/kWh	At all other times not picked up in peak window
		Demand – Peak Annual	$/kVA/pa	Demand charge based on the highest daily average maximum demand from November through March. • CBD 11:00am-5:00pm workdays only • Non-CBD 5:00pm-9:00pm all days
		Demand – Anytime actual	$/kVA/pa	Anytime demand charged on the highest half-hour demand during the year.
Large LV business Monthly demand **HV Business Monthly demand** *(Same prices apply to CBD and Rest of SA; peak demand period differs)*	**Opt-in** Interval meter (Type 4)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage – Peak	$/kWh	7:00am to 9:00pm workdays.
		Usage – Off-peak	$/kWh	At all other times not picked up in peak window
		Demand – Peak actual	$/kVA/month Nov-March only	Demand charge based on the highest daily average maximum demand for the month from November through March, at 150% of Annual price. • CBD 11:00am-5:00pm workdays only • Non-CBD 5:00pm-9:00pm all days
		Demand – Anytime actual	$/kVA/pa	Anytime demand charged on the highest half-hour demand during the last 12 months.
Large LV business Actual demand – Transition **HV Business Actual demand - Transition**	**Closed 01/07/2020** Interval meter (Type 4)	Fixed	$/customer/day	Fixed supply charge per annum
		Usage	$/kWh	Anytime based on usage
		Demand – Peak Actual	$/kVA/month Nov-March only	Maximum demand charge based on actual monthly maximum kVA demand measured: • Over a 30-minute time period; and • 4:00pm to 9:00pm, workdays, Nov-March.
		Demand – Shoulder Actual	$/kVA/month All year	Maximum demand charge based on actual monthly maximum kVA demand measured: • Over a 30-minute time period; and • 12:00 noon to 4:00pm workdays, 12 months
Large LV business Generation Supplies **HV business Generation Supplies**	**Special tariff** Interval meter (Type 4)	Fixed	$/customer/day	Fixed supply charge per annum (applies to LV, not to HV supplies)
		Usage – Peak	$/kWh	Not applied to Generation supplies.
		Usage – Off-peak	$/kWh	Not applied to Generation supplies
		Demand – Peak Annual	$/kVA/pa	Demand charge based on the agreed firm supply requirements of the generator on extreme summer days. • CBD 11:00am-5:00pm workdays only • Non-CBD 5:00pm-9:00pm all days
		Demand – Anytime actual	$/kVA/pa	Anytime demand charged on the agreed or highest half-hour demand during the last 12 months.

2.3.6 Major Business Tariffs

Table 7: Major business tariff structures and charging parameters 2020/21

Network tariff	Status	Components	Measurement	Charging parameter
Zone Substation Non-Locational	*Tariff amended for individual customers*	Fixed	$/customer/day	Fixed supply charge per annum
		Usage	$/kWh	Anytime based on usage
		Demand – Peak Agreed	$/kVA pa	Agreed half-hour maximum demand during peak times, for pricing of transmission
		Demand – Anytime Actual	$/kVA pa	Anytime demand charged on the agreed or highest half-hour demand during the last 12 months.
Sub-Transmission Non-Locational	*Tariff amended for individual customers*	Fixed	$/customer/day	Fixed supply charge per annum
		Usage	$/kWh	Anytime based on usage
		Demand – Peak agreed	$/kVA pa	Agreed half-hour maximum demand during peak times, for pricing of transmission
		Demand – Anytime Actual	$/kVA pa	Anytime demand charged on the agreed or highest half-hour demand during the last 12 months.

2.3.7 Tariff Trials

SA Power Networks does not have any trials proposed for the 2020/21 regulatory year.

The Riverland and Eyre Peninsula trials concludes on 30 June 2020, with some of the tariff features incorporated into the new large business demand tariffs.

The residential ToU trial (including controlled load ToU) concludes on 30 June 2020. The trial tariffs have been replaced by the residential ToU tariff (default for new customers from July 2020 and opt-in for type 4 meters) and the controlled load ToU tariff (the only tariff option of residential controlled load on interval meters).

2.4 Pricing variations from 2019/20

In line with our 2020-25 TSS, we have implemented new tariffs for the 2020/21 regulatory year. The 2020/21 pricing variations compared to 2019/20 pricing are not able to be provided for these new tariffs in this IPP. This is the case for TOU Tariffs for residential and small business customers.

The following sections provide information on the three Network Use of System (**NUoS**) components of SA Power Networks' tariffs (ie Distribution Use of System (**DUoS**), Transmission Use of System (**TUoS**) and Jurisdictional Scheme Obligation (**JSO**)).[11] Specifically, the movement in revenue recovery proposed for 2020/21 compared to 2019/20 by each of the five tariff classes.

Table 8 to Table 12 compare NUoS changes with changes on the overall retail bill for customers consuming between 2 and 16MWh pa.[12] These tables also show the SA Power Networks' related DUoS price changes but excludes the alternative control services Type 6 metering costs typically associated with this customer.

2.4.1 Low voltage residential tariff class

Low voltage residential tariff (obsolete)

The low voltage residential tariff has a single rate for customers with legacy (type 6) metering. The 2020/21 annual bill and price change for this tariff is shown in Table 8, for a range of representative customer consumption levels.

Table 8: Low voltage residential price change in 2020/21

Annual Usage MWh pa	NUoS 2019/20 $ pa	NUoS 2020/21 $ pa	Change in NUoS Bill %	Change in Retail Bill %	DUoS 2019/20 $ pa	DUoS 2020/21 $ pa	Change in DUoS Bill %	Change in Retail Bill %
2	447	446	-0.2%	-0.1%	344	340	-1.2%	-0.4%
4	731	721	-1.4%	-0.6%	540	524	-3.0%	-0.9%
5	880	859	-2.4%	-1.0%	645	617	-4.4%	-1.3%
8	1,327	1,272	-4.1%	-1.7%	960	893	-6.9%	-2.1%
16	2,519	2,375	-5.7%	-2.3%	1,799	1,632	-9.3%	-2.7%

Residential with controlled load tariff

The controlled load companion tariff for legacy (type 5 and 6) metering has a single block. The 2020/21 annual bill and price change is shown in Table 9 for residential customers with hot water, for a range of representative consumption levels.

Table 9: Low voltage residential + hot water price change in 2020/21

Annual Usage MWh pa	NUoS 2019/20 $ pa	NUoS 2020/21 $ pa	Change in NUoS Bill %	Change in Retail Bill %	DUoS 2019/20 $ pa	DUoS 2020/21 $ pa	Change in DUoS Bill %	Change in Retail Bill %
2 + 1	520	515	-1.0%	-0.4%	389	386	-0.8%	-0.2%
4 + 2	878	859	-2.2%	-0.9%	631	617	-2.2%	-0.6%
5 + 3	1,100	1,066	-3.1%	-1.3%	781	755	-3.3%	-0.9%
8 + 4	1,621	1,548	-4.5%	-1.8%	1,141	1,078	-5.5%	-1.5%
16 + 5	2,886	2,720	-5.8%	-2.3%	2,025	1,863	-8.0%	-2.3%

[11] There is one JSO in South Australia, the SA Governments' solar photovoltaic feed in tariff scheme (PV FiT). Refer to 3.3 for further details.

[12] Retail bill charges are based on the AER's Default Market Offer for 2019/20 (after deducting GST).

2.4.2 Low voltage small business tariff class

Low voltage small business single rate tariff (obsolete)

The low voltage small business single rate tariff has an anytime consumption charge with an inclining block structure and two consumption steps. Table 10 shows the 2020/21 annual bill and price change for this tariff, for a range of annual consumption levels.

Table 10: Low voltage business single rate NUoS price change in 2020/21

Annual Usage MWh pa	NUoS 2019/20 $ pa	NUoS 2020/21 $ pa	Change in NUoS Bill %	Change in Retail Bill %	DUoS 2019/20 $ pa	DUoS 2020/21 $ pa	Change in DUoS Bill %	Change in Retail Bill %
4	787	785	-0.2%	-0.1%	604	588	-2.7%	-0.9%
10	1,714	1,686	-1.7%	-0.7%	1,281	1,215	-5.1%	-1.5%
20	3,260	3,187	-2.3%	-0.9%	2,408	2,260	-6.1%	-1.8%
40	6,352	6,189	-2.6%	-1.0%	4,662	4,350	-6.7%	-1.9%
80	12,536	12,193	-2.7%	-1.1%	9,170	8,530	-7.0%	-2.0%

Low voltage small business 2-rate tariff

The effect of the price change in 2020/21 for low voltage business 2-rate will depend upon the customer consumption profile and the ratio of peak to off-peak period usage. Table 11 shows how the 2020/21 annual bill has changed for this tariff, for different customer consumption levels and average peak to off peak consumption proportions of 50%.

Table 11: Low voltage business 2-rate NUoS price change in 2020/21

Annual Usage MWh pa	NUoS 2019/20 $ pa	NUoS 2020/21 $ pa	Change in NUoS Bill %	Change in Retail Bill %	DUoS 2019/20 $ pa	DUoS 2020/21 $ pa	Change in DUoS Bill %	Change in Retail Bill %
8	1,222	1,218	-1.7%	-0.7%	915	877	-4.2%	-1.2%
20	2,801	2,724	-2.8%	-1.0%	2,058	1,937	-5.9%	-1.6%
50	6,751	6,532	-3.2%	-1.2%	4,914	4,587	-6.6%	-1.8%
100	13,333	12,880	-3.4%	-1.3%	9,674	9,005	-6.9%	-1.9%
160	21,232	20,497	-3.5%	-1.3%	15,386	14,306	-7.0%	-1.9%

2.4.3 Low voltage large business tariff class

Low voltage kVA agreed demand/actual demand tariffs

- The average DUoS price increase for large business customers in 2020/21 is -5.5% at $66.73/MWh.
- The average NUoS price increase for large business customers in 2020/21 is -0.7% at $96.89/MWh.
- The retail price increase will vary but is likely to be about -0.4%.

2.4.4 High voltage business tariff class

High voltage kVA agreed demand/actual demand tariffs

- The average DUoS price increase for HV business customers in 2020/21 is -6.0% at $45.06/MWh.
- The average NUoS price increase for HV business customers in 2020/21 is -4.1% at $69.09/MWh.
- The retail price increase will vary but is likely to be about -1.7%.

2.4.5 Major business tariff class

Zone substation and Sub-transmission kVA agreed demand locational tariffs

There is little variability between the individual price changes for these customers and the averages for the tariff. There is considerable variability in locational transmission prices for individual major businesses.

Individual tariffs have been included for each major business on non-locational tariffs. Where other changes apply to these customers, they have been included in the tariff schedule.

2.4.6 Default Market Offer (DMO) outcomes

The AER publishes four DMO prices for use by retailers with their small customer market offers. The impact of the 2020/21 change in DUoS and NUoS prices on the 2019/20 DMO retail price is shown below. GST has been deducted from the DMO for this analysis.

Table 12: Default Market Offers NUoS $nominal excl. GST

Customer Type	Annual Usage MWh pa	NUoS 2019/20 $ pa	NUoS 2020/21 $ pa	Change NUoS Bill %	Change Retail Bill %	DUoS 2019/20 $ pa	DUoS 2020/21 $ pa	Change DUoS Bill %	Change Retail Bill %
Residential	**4**	731	721	-1.4%	-0.6%	540	524	-3.0%	-0.9%
Residential incl. Hot water	**4.2+ 1.8 HW**	893	873	-2.3%	-0.9%	643	626	-2.6%	-0.8%
Business Single	**20**	3,260	3,187	-2.3%	-0.9%	2,408	2,260	-6.1%	-1.8%
Business Two-rate	**15.9 + 4.1 OPk**	3,291	3,224	-2.0%	-0.8%	2,432	2,284	-6.1%	-1.8%

2.5 Pricing Variations to Revised Proposal TSS

The table below shows the change in forecasts for distribution revenue, transmission costs and PV FiT Recovery costs from the Revised Proposal TSS to this IPP. The key impacts shown over the 5 years include:

- The change in timing of the distribution revenue allowance from the AER. The Final decision has a lower P0 (less reduction in 2020/21) hut a larger X-factor (subsequent year revenue reductions).
- Inclusion of the STPIS allowance of $32.7M in 2020/21 in this IPP. There will also be a similar STPIS amount for 2021/22 but that has not been determined yet. STPIS amounts in the last three years will depend on performance during this 2020-25 Regulatory Period which requires higher performance. Latter years could be a revenue incentive or a penalty.
- Improved forecasts of transmission expenses to 2025, resulting in a 5.2% increase in forecast costs.
    - This forecast has been prepared using the AER's published determinations for ElectraNet and Murraylink plus RIT-T projections for ElectraNet's Eyre Peninsula upgrade. No allowance has been made for the costs/impacts of the proposed interconnection with NSW. Amounts for 2023/24 and 2024/25 have been adjusted for a possible lowering of the WACC applicable to transmission revenues following their July 2023 Reset.
    - We have assumed that the proportion of transmission charges to SA Power Networks including any service incentive scheme payments and the amount of discount from settlement residue surpluses remains constant. If the settlements residue surpluses reduce

in future years eg due to SA pool prices aligning with NSW/Victoria then these forecasts could be 10% low (our estimate of the possible discount currently being received in transmission charges is 10%).

- Slightly higher costs for recovery of the SA Government's PV FiT Scheme (+1.3% to $81M).

The combination of these changes is a +$63.5M (+5.8%) increase in network costs forecast to be recovered from customers in 2020/21 (STPIS of $32.7M is nearly half of that increase). Over the five years, the key variations are the transmission costs estimate (+5.2%) and the PV FiT recovery (+1.3%).

Distribution and Transmission costs have been escalated by the AER's forecast of CPI (2.27% pa). The latest Reserve bank forecasts of CPI that will apply to 2021/22, 2022/23 and 2023/24 are all substantially lower than the levelised AER CPI forecast, so actual costs may fall from those below. Of course, the likely STPIS payment in 2021/22 will increase the costs. Subsequent years should be a smaller STPIS payment/penalty.

Table 13: Indicative five year revenues 2020-25

	YEAR	2020/21 $m nominal	2021/22 $m nominal	2022/23 $m nominal	2023/24 $m nominal	2024/25 $m nominal	TOTAL $m nominal
[1]	**Distribution Revenue - Revised Proposal TSS**	**759.427**	**771.131**	**783.015**	**795.082**	**807.336**	**3,915.991**
	Distribution Revenue - AER	775.910	779.355	782.816	786.292	789.783	**3,914.156**
	STPIS	32.748	-	-	-	-	**32.748**
	Under/over recovery	(0.029)	-	-	-	-	**(0.029)**
	Total IPP	**808.629**	**779.355**	**782.816**	**786.292**	**789.783**	**3,946.875**
	Difference	**49.201**	**8.224**	**(0.199)**	**(8.790)**	**(17.552)**	**30.883**
	Difference %	**6.5%**	**1.1%**	**0.0%**	**-1.1%**	**-2.2%**	**0.8%**
[2]	**Tranmission Recovery - Revised Proposal TSS**	**250.000**	**256.250**	**262.656**	**269.223**	**275.953**	**1,314.082**
	Transmission - ElectraNet Charges	263.187	269.687	276.349	283.174	290.169	**1,382.566**
	Under/over Recovery	(0.011)					**(0.011)**
	Total IPP	**263.176**	**269.687**	**276.349**	**283.174**	**290.169**	**1,382.555**
	Difference	**13.176**	**13.437**	**13.692**	**13.952**	**14.216**	**68.473**
	Difference %	**5.3%**	**5.2%**	**5.2%**	**5.2%**	**5.2%**	**5.2%**
[3]	**JSO (PV FiT) - Revised Proposal TSS**	**80.000**	**80.000**	**80.000**	**80.000**	**80.000**	**400.000**
	PV FiT - SA Power Networks Payment	81.048	81.048	81.048	81.048	81.048	**405.240**
	Under/Over Recovery	0.000					**0.000**
	Total IPP	**81.048**	**81.048**	**81.048**	**81.048**	**81.048**	**405.240**
	Difference	**1.048**	**1.048**	**1.048**	**1.048**	**1.048**	**5.240**
	Difference %	**1.3%**	**1.3%**	**1.3%**	**1.3%**	**1.3%**	**1.3%**
[4]	**Network Use of System**						
	NUoS - Revised Proposal TSS	**1,089.427**	**1,107.381**	**1,125.671**	**1,144.305**	**1,163.289**	**5,630.074**
	NUoS - IPP	**1,152.853**	**1,130.090**	**1,140.212**	**1,150.514**	**1,161.000**	**5,734.670**
	Difference $	**63.426**	**22.709**	**14.541**	**6.209**	**(2.289)**	**104.597**
	Difference %	**5.8%**	**2.1%**	**1.3%**	**0.5%**	**-0.2%**	**1.9%**

The table below combines the change in NUoS cost forecasts and sales volume forecasts to give an average price ($/MWh) forecast by tariff class. The increase in costs referred to above has been allocated across the 5 tariff classes. The usage allocation was updated from that used in the Revised proposal to reflect the underlying changes in sales volumes by tariff class, notably:

- the stability in residential usage (previously forecast to be declining) and
- the declining business usage (previously forecast to be stabilising following decline).

The allocation basis is to be reviewed each year which will result in further change for 2021/22 when more information on tariff class response to demand and usage signals is known by March 2021.

Table 14: 2020/21 NUoS Revenue, MWh sales and average price by tariff class

	Revised Proposal TSS	IPP 2020/21	Difference $	Difference %
NUOS by: Tariff Class	**$m**	**$m**	**$m**	
Residential (incl. CL)	560.7	604.4	43.7	7.8%
Small Business (incl. unmetered)	195.4	196.5	1.1	0.6%
Large LV Business	257.4	266.5	9.1	3.5%
HV Business	48.9	51.4	2.5	5.2%
Major Business	27.1	34.1	7.0	25.9%
TOTAL	1,089.4	1,152.9	63.5	5.8%
MWh by: Tariff Class	**GWh**	**GWh**	**GWh**	
Residential (incl. CL)	3,439	3,658	219	6.4%
Small Business (incl. unmetered)	1,496	1,346	(150)	-10.0%
Large LV Business	2,871	2,751	(120)	-4.2%
HV Business	784	744	(40)	-5.1%
Major Business	1,049	1,194	145	13.8%
TOTAL	9,639	9,693	54	0.6%
$/MWh NUoS by: Tariff Class	**$/MWh**	**$/MWh**	**$/MWh**	
Residential (incl. CL)	$ 163.0	$ 165.2	$ 2.2	1.3%
Small Business (incl. unmetered)	$ 130.6	$ 146.0	$ 15.4	11.8%
Large LV Business	$ 89.7	$ 96.9	$ 7.2	8.1%
HV Business	$ 62.3	$ 69.1	$ 6.7	10.8%
Major Business	$ 25.8	$ 28.5	$ 2.7	10.6%
TOTAL	$ 113.0	$ 118.9	$ 5.9	5.2%

The impact of these costs and sales volumes changes on final tariff structures for each of the five tariff classes is shown in tables 13, 14, 15, 16 and 17 below. Supply charges are largely unaffected by the changes, but demand and usage charges have generally increased because of the costs increase and sales volume fall. In some cases, the application of TOU pricing to all cost components (including PV FiT recovery) has resulted in disproportionate changes to peak/shoulder/off-peak pricing. The final pricing relativity is easier to understand as a result of this change.

Table 15: IPP variations to Revised Proposal TSS prices - Residential Tariffs

Tariff	Component	2020/21 TSS	2020/21 IPP	Difference $
Residential Single Rate (RSR)				
Customers/Supply Ch	$ pa	170.00	170.02	0.01
Usage	$/kWh	0.1323	0.1378	0.0055
Residential Time of Use (RTOU)				
Customers/Supply Ch	$ pa	170.00	170.02	0.01
Peak Usage	$/kWh	0.1626	0.1723	0.0097
Off-Pk Usage	$/kWh	0.0717	0.0690	(0.0027)
Solar Sponge Usage	$/kWh	0.0414	0.0345	(0.0069)
Residential Prosumer (RPRO)				
Customers/Supply Ch	$ pa	170.00	170.02	0.01
Peak Usage	$/kWh	0.1020	0.1033	0.0013
Off-Pk Usage	$/kWh	0.0475	0.0414	(0.0061)
Solar Sponge Usage	$/kWh	0.0293	0.0206	(0.0087)
Summer Demand	$/kW/mth	20.34	23.14	2.80

Table 16: IPP variations to Revised Proposal TSS prices – Small Business Tariffs

Tariff	Component	2020/21 TSS	2020/21 IPP	Difference $
Small Business Single Rate (BSR)				
Customers/Supply Ch	$ pa	185.00	184.98	(0.01)
Usage	$/kWh	0.1314	0.1501	0.0187
Small Business Two Rate (B2R)				
Customers/Supply Ch	$ pa	185.00	184.98	(0.01)
Peak usage	$/kWh	0.1473	0.1693	0.0220
Off-Pk Usage	$/kWh	0.0771	0.0846	0.0075
Small Business Time of Use (SBTOU)				
Customers/Supply Ch	$ pa	185.00	184.98	(0.01)
Peak usage	$/kWh	0.1938	0.2253	0.0315
Shoulder Usage	$/kWh	0.1369	0.1568	0.0199
Off-Peak Usage	$/kWh	0.0771	0.0846	0.0075
Small Business Time of Use with Demand (SBTOUD)				
Customers/Supply Ch	$ pa	185.00	184.98	(0.01)
Anytime Max Demand	$/kVA pa	26.10	29.71	3.61
Peak usage	$/kWh	0.1662	0.1803	0.0141
Shoulder Usage	$/kWh	0.1177	0.1254	0.0077
Off-Peak Usage	$/kWh	0.0667	0.0677	0.0010
Small Business Demand (SBD)				
Customers/Supply Ch	$ pa	1,015.00	1,014.99	(0.00)
Peak Actual Demand	$/kVA/mth pa	11.97	11.97	(0.00)
Shoulder Actual Demand	$/kVA/mth pa	5.96	5.96	(0.00)
Usage	$/kWh	0.0786	0.0789	0.0003
Small Business Unmetered				
Usage	$/kWh	0.0894	0.0984	0.0090

Table 17: IPP variations to Revised Proposal TSS prices – Large Business Tariffs

Tariff	Component	2020/21 TSS	2020/21 IPP	Difference $
Large Business Annual Demand (LBAD)				
Customers/Supply Ch	$ pa	2,500	2,500	-
Peak Annual Max Demand	$/kVA pa	87.00	92.45	5.45
Anytime Actual Demand	$/kVA pa	35.00	37.81	2.81
Peak Usage	$/kWh	0.0585	0.0662	0.0077
Off-Peak Usage	$/kWh	0.0385	0.0414	0.0029
Large Business Monthly Peak Demand (LBMD)				
Customers/Supply Ch	$ pa	2,500	2,500	-
Peak Actual Monthly Demand	$/kVA/mth pa	26.10	27.73	1.63
Anytime Actual Demand	$/kVA pa	35.00	37.81	2.81
Peak Usage	$/kVA pa	0.0585	0.0662	0.0077
Off-Peak Usage	$/kWh	0.0385	0.0414	0.0029
Large Business Actual Monthly Demand (BD) (Transitional tariff)				
Customers/Supply Ch	$ pa	1,000	1,000	-
Peak Actual Demand	$/kVA/mth pa	11.97	11.97	(0.00)
Shoulder Actual Demand	$/kVA/mth pa	5.96	5.96	(0.00)
Usage	$/kWh	0.0769	0.0770	0.0001

Table 18: IPP variations to Revised Proposal TSS prices – HV Business Tariffs

Tariff	Component	2020/21 TSS	2020/21 IPP	Difference $
HV Business Annual Demand (HVAD)				
Customers/Supply Ch	$ pa	15,000	15,000	-
Peak Annual Max Demand	$/kVA pa	74.00	78.40	4.40
Anytime Actual Demand	$/kVA pa	35.00	37.81	2.81
Peak Usage	$/kWh	0.0350	0.0414	0.0064
Off-Peak Usage	$/kWh	0.0231	0.0259	0.0028
HV Business Monthly Peak Demand (HVMD)				
Customers/Supply Ch	$ pa	15,000	15,000	-
Peak Actual Monthly Demand	$/kVA/mth pa	22.20	23.52	1.32
Anytime Actual Demand	$/kVA pa	35.00	37.81	2.81
Peak Usage	$/kVA pa	0.0350	0.0414	0.0064
Off-Peak Usage	$/kWh	0.0231	0.0259	0.0028
HV Business Actual Monthly Demand (HBD) (Transitional tariff)				
Customers/Supply Ch	$ pa	1,000	1,000	-
Peak Actual Demand	$/kVA/mth pa	11.97	11.97	(0.00)
Shoulder Actual Demand	$/kVA/mth pa	5.96	5.96	(0.00)
Usage	$/kWh	0.0751	0.0754	0.0003
HV Business Annual Demand <500kVA (HVAD500)				
Customers/Supply Ch	$ pa	2,500	2,500	-
Peak Annual Max Demand	$/kVA pa	87.00	92.45	5.45
Anytime Actual Demand	$/kVA pa	35.00	37.81	2.81
Peak Usage	$/kWh	0.0568	0.0641	0.0073
Off-Peak Usage	$/kWh	0.0367	0.0401	0.0034

Table 19: IPP variations to Revised Proposal TSS prices – Major Business Tariffs

Tariff	Component	2020/21 TSS	2020/21 IPP	Difference $
Zone Substation (ZSN)				
Customers/Supply Ch	$ pa	-	-	-
Peak Agreed Demand	$/kVA pa	52.00	54.64	2.64
Anytime Agreed Demand	$/kVA pa	25.00	27.01	2.01
Usage	$/kWh	0.0076	0.0135	0.0059
Sub Transmission kVA (STN)				
Customers/Supply Ch	$ pa	-	-	-
Peak Agreed Demand	$/kVA pa	38.00	39.53	1.52
Anytime Agreed Demand	$/kVA pa	14.00	15.11	1.11
Usage	$/kWh	0.0070	0.0107	0.0037

3. Standard Control services charges

This section sets out how SA Power Networks' tariffs for the 2020/21 regulatory year comply with the NER and the AER's revenue determination for SA Power Networks.

The standard control services charges for 2020/21 have been calculated in accordance with the methodologies described within our 2020-25 TSS. For detailed information on our pricing methodologies refer to our 2020-25 Revised Proposal TSS Part B.

3.1 Distribution charges

3.1.1 Prices for standard control services

Control mechanism

The form of control mechanism (including the X factor) for SA Power Networks' standard control services for the 2020-25 RCP is a revenue cap. The allowed revenue for SA Power Networks for any given regulatory year is the total annual revenue (**TAR**) calculated using the formula in the AER's 2020-25 Regulatory Determination, plus any adjustment required to move the DUoS under and overs account to zero.

Compliance with the revenue cap

The AER's Revenue Cap model has been used for the purposes of demonstrating compliance with the provisions of the 2020-25 revenue cap. This model is submitted as Attachment A and forms part of this Pricing Proposal.

Revenue cap formulae

SA Power Networks' revenues must be consistent with the total annual revenue formulae set out below[13] plus any under/overs adjustment needed to move the balance of its DUoS unders and overs account to zero.[14]

1. $TAR_t \geq \sum_{i=1}^{n} \sum_{j=1}^{m} p_t^{ij} \, q_t^{ij}$ I = 1,...,n and j = 1,...,m and t = 1,2...,5
2. $TAR_t = AAR_t \pm I_t \pm B_t \pm C_t$ t = 1, 2...,5
3. $AAR_t = AR_t \times (1 + S_t)$ t = 1
4. $AAR_t = AAR_{t-1} \times (1 + \Delta CPI_t) \times (1 - X_t) \times (1 + S_t)$ t = 2
5. $AAR_t = AAR_{t-1} \times (1 + \Delta CPI_t) \times (1 - X_t)$ t = 3, 4, 5

Where:

TAR_t is the total allowable revenue in year t.

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

[13] AER, Final Decision – SA Power Networks, *Indicative standard control services control mechanism formula and related information,* April 2020, page 1.
[14] AER, Final Decision – SA Power Networks, *Indicative standard control services control mechanism formula and related information,* April 2020, page 5.

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

t is the regulatory year.

AR_t is the annual smoothed expected requirement in the Post Tax Revenue Model (**PTRM**) for year t.

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

I_t is the sum of the STPIS (from year t = 3 onwards), demand management incentive scheme and any other related incentive schemes[15] as they relate to year t-2, applied in year t.

B_t is the sum of annual adjustments factors for year t and includes the true-up for any under or over recovery of actual revenue collected through DUoS charges.[16]

C_t is the approved cost pass through amounts (positive or negative) with respect to regulatory year t, as determined by the AER. It will also include any end-of-period adjustment in regulatory year t.

ΔCPI_t is the annual percentage change in the Australian Bureau of Statistics (**ABS**) Consumer Price Index All Groups, Weighted Average of Eight Capital Cities[17] from December in year t–2 to December in year t–1. For example, for 2020/21, year t–2 is December quarter 2018 and t–1 is the December quarter 2019.

X_t is the X factor for each year of the 2020-25 RCP as determined in the PTRM, and annually revised for the return on debt update in accordance with the formula specified in attachment 3 – rate of return – calculated in the relevant year.

St is the s-factor applicable to regulatory year t. This s-factor reflects performance in year t-2 against STPIS targets set in this decision. This factor will only apply in years t = 1 and 2, with new STPIS guidelines providing for a change in the application from year t = 3 onwards.

Table 20 sets out our revenue cap calculation for the 2020/21 regulatory year (regulatory year t = 1).

Table 20: Revenue cap calculation Year t = 1

Revenue cap calculation	
Annual revenue ARt $000	$ 775,910
S factor	4.2207%
$AAR_t = AR_t$ x $(1+S_t)$	**$ 808,658**

[15] This does not reflect those incentive schemes that are calculated and applied through the AER regulatory determination, such as the capital expenditure sharing scheme (CESS) or efficiency benefit sharing scheme (EBSS).
[16] AER, Final Decision – SA Power Networks, *Indicative standard control services control mechanism formula and related information,* April 2020, page 2.
[17] If the ABS does not or ceases to publish the index, then CPI will mean an index which the AER considers is the best available alternative index.

Tariff class side constraints

SA Power Networks must demonstrate in its Pricing Proposal that proposed DUoS prices will meet the side constraints formula for each tariff class.[18] Showing that the expected weighted average revenue for each tariff class for the regulatory year does not exceed the weighted average revenue for the preceding year in the same RCP.

As 2020/21 is the first year of our 2020-25 RCP, it is not subject to the requirements of the side constraint formula. We note that the TSS REC worksheet Table 17A-8in the Attachment A_2020-21 Tariff Approval Model shows the proportion of DUoS charges allocated to Residential in 2020/21 is 3.2% higher than the proportion was in 2019/20. We also note that the proportion of NUoS charges allocated to Residential in 2020/21 is 1.96% higher than in 2019/20. That is, the residential tariff class was allocated 51.4%[19] of all NUoS charges in 2019/20 , and this increased to 52.6%[20] of all NUoS charges in 2020/21. The +1.2% increase from 51.4% in 2019/20 represents a 1.96% proportional increase.

The 1.96% outcome was achieved by curtailing the residential increases overall by $2.0M (-0.3% of Residential NUoS charges). The Large LV Business and HV Business segments received the higher allocation necessary to balance overall recovery, and still had reductions in the overall NUoS recovery in 2020/21 vs 2019/20 of -3.8% and -3.0% respectively. SA Power Networks considers this NUoS recovery cap to be an appropriate approach to ensuring changes in network price allocations do not vary significantly from year to year. This approach allows for offsetting allocations between distribution, transmission and PV-FiT before capping any overall movement. The approach works in conjunction with the NER's DUoS side-constraint (clause 6.18.6) which will apply from 2021/22 to 2024/25.

Weighted average revenue

Table 21: Weighted average revenue - DUoS

DUoS	2019/20 Forecast $m	2019/20 Forecast GWh	2019/20 Forecast Average Price $/MWh	2020/21 Forecast $m	2020/21 Forecast GWh	2020/21 Forecast Average Price $/MWh	Change in Price %
Residential only	*429.0*	*3,131.0*	*137.01*	*416.4*	*3,187.0*	*137.01*	*-4.6%*
Controlled Load	*21.2*	*477.3*	*45.20*	*21.2*	*471.0*	*45.20*	*-0.2%*
Residential	450.2	3,600.5	125.04	437.6	3,658.0	119.64	-4.3%
Small Business	152.0	1,412.3	107.65	141.5	1,346.3	105.10	-2.4%
Large LV Business	207.4	2,937.0	70.60	183.6	2,751.0	66.73	-5.5%
HV Business	36.4	760.4	47.91	33.5	745.0	45.09	-5.9%
Major Business	12.2	1,134.0	10.79	12.4	1,154.6	10.40	-3.7%
TOTAL	**858.2**	**9,844.2**	**87.18**	**808.7**	**9,693.2**	**84.43**	**-4.3%**

[18] NER 6.18.6

[19] Residential has $613.0M of NUoS allocated in 2019/20 vs total NUoS of $1,192.3M see table 22. This is 51.4% of total NUoS.

[20] Residential has $604.4M of NUoS tariffs in 2020/21 vs total NUoS of $1,152.9M see table 22. This is 52.4% of total DUoS. 52.4% vs 51.4% is a 1.0% increase. Proportionally that is a 1.96% increase on the 2019/20 NUoS recovery proportion.

Table 22: Weighted average revenue - TUoS

TUoS	2019/20 Forecast $m	2019/20 Forecast GWh	2019/20 Forecast Average Price $/MWh	2020/21 Forecast $m	2020/21 Forecast GWh	2020/21 Forecast Average Price $/MWh	Change in Price %
Residential only	101.8	*3,131.0*	*32.50*	*107.5*	*3,187.0*	*33.52*	*3.8%*
Controlled Load	7.9	*477.3*	*16.60*	*7.8*	*471.0*	*16.41*	*0.0%*
Residential	109.6	3,600.5	30.43	115.3	3,658.0	31.52	3.6%
Small Business	43.4	1,412.3	30.75	43.8	1,346.3	32.55	5.9%
Large LV Business	64.1	2,937.0	21.81	68.3	2,751.0	24.83	13.9%
HV Business	15.6	760.4	20.54	15.2	745.0	20.42	-0.6%
Major Business	17.8	1,134.0	15.71	20.6	1,154.6	17.22	9.6%
TOTAL	**250.5**	**9,844.2**	**25.44**	**263.2**	**9,693.2**	**27.15**	**6.7%**

Table 23: Weighted average revenue - JSO (PV FiT)

JSO (PV FiT)	2019/20 Forecast $m	2019/20 Forecast GWh	2019/20 Forecast Average Price $/MWh	2020/21 Forecast $m	2020/21 Forecast GWh	2020/21 Forecast Average Price $/MWh	Change in Price %
Residential only	*47.8*	*3,131.0*	*15.27*	*48.8*	*3,187.0*	*15.27*	*0.2%*
Controlled Load	*5.5*	*477.3*	*11.60*	*2.7*	*471.0*	5.67	*-51.2%*
Residential	53.3	3,600.5	14.79	51.4	3,658.0	14.06	-5.0%
Small Business	11.4	1,412.3	8.08	11.2	1,346.3	8.35	3.2%
Large LV Business	15.3	2,937.0	5.2	14.6	2,751.0	5.33	2.5%
HV Business	2.7	760.4	3.6	2.7	745.0	3.57	-0.6%
Major Business	0.9	1,134.0	0.80	1.1	1,154.6	0.90	12.5%
TOTAL	**83.6**	**9,844.2**	**8.49**	**81.0**	**9,693.2**	**8.36**	**-1.5%**

Table 24: Weighted average revenue - NUoS

NUoS	2019/20 Forecast $m	2019/20 Forecast GWh	2019/20 Forecast Average Price $/MWh	2020/21 Forecast $m	2020/21 Forecast GWh	2020/21 Forecast Average Price $/MWh	Change in Price %
Residential only	*578.6*	*3,131.0*	*184.78*	*572.6*	*3,187.0*	*179.68*	*-2.8%*
Controlled Load	*35.0*	*477.3*	*73.40*	*31.7*	*471.0*	*67.40*	*-8.2%*
Residential	613.0	3,600.5	170.26	604.4	3,658.0	165.22	-3.0%
Small Business	206.9	1,412.3	146.48	196.5	1,346.3	145.99	-0.3%
Large LV Business	286.7	2,937.0	97.61	266.5	2,751.0	96.89	-0.7%
HV Business	54.8	760.4	72.05	51.4	743.7	69.08	-4.1%
Major Business	31.0	1,134.0	27.30	34.1	1,194.2	28.52	4.5%
TOTAL	**1,192.3**	**9,844.2**	**121.12**	**1,152.9**	**9,693.2**	**119.43**	**-1.8%**

3.1.2 Compliance with pricing principles

When setting prices for standard control services, the NER[21] requires SA Power Networks to comply with the pricing principles where, for each tariff class, the revenue we expect to recover should lie on or between:

- an upper bound representing the stand alone cost of serving the customers who belong to that class; and
- a lower bound representing the avoidable cost of not serving those customers.

Where a tariff consists of two or more charging parameters, each charging parameter for a tariff class must consider the long run marginal cost (**LRMC**) for the service or, in the case of a charging parameter, for the element of the service to which the charging parameter relates.

SA Power Networks must also ensure each tariff class has regard to the transaction costs associated with the tariff or each charging parameter and whether customers of the relevant tariff class are able or likely to respond to price signals.

Stand-alone and avoidable costs

The stand-alone and avoidable cost methodologies applied are consistent with those used in the previous RCP, however the calculations have been updated as part of the LRMC recalculation for our 2020-25 TSS. The stand-alone and avoidable cost methodologies are used to calculate the revenues for each standard control services tariff class. These costs are compared with the weighted average revenue derived from SA Power Networks' proposed tariffs. For detailed information on our stand-alone and avoidable cost methodologies, refer to our 2020-25 TSS Part A.

The revenue expected to be recovered from each of SA Power Networks' tariff classes in 2020/21 is compared with the stand-alone and avoidable costs in Table 25.

Table 25: Stand-alone and avoidable distribution network costs ($million)

Tariff class	Stand-alone cost	Tariff revenue	Avoidable cost
Residential	652	437.6	244
Small Business	301	141.5	61
Large LV Business	254	183.6	44
HV Business	89	33.5	5
Major Business	75	12.4	5
Total		**808.7**	

SA Power Networks' tariff classes lie within the subsidy free range, in that the expected DUoS revenue collected from each tariff class lies between the avoidable and stand-alone costs of supply and therefore complies with the NER.[22]

Long Run Marginal Costs

The consideration of LRMC applies where price signaling charging parameters (peak period energy and demand related components) form part of a tariff. SA Power Networks aims to ensure that where price signals are varied, they are moved in such a direction as to improve alignment with the LRMC. Charging components that materially over-recover or under-recover the LRMC would not pass on an efficient pricing signal to customers that represents their cost of utilising the network.

[21] NER 6.18.5(e)-(j)
[22] NER 6.18.5(e)

Where such price signaling charging parameters of a tariff do not recover sufficient revenue to cover the capital, operating and maintenance costs of the existing assets, the shortfall is recovered through a charging component that minimises distortion of the customers' consumption decisions, such as a fixed daily charge or an energy usage charge.

SA Power Networks applied the average incremental cost (**AIC**) approach to determine the network LRMC for our tariff classes. The methodology has been set out in detail in our 2020-25 TSS, Part A. The TSS sets out the compliance with these pricing principles, with the LRMC pricing signals set at appropriate levels. The LRMC of our distribution network ($/kVA pa) as shown in our 2020-25 TSS is included in Table 26 below.

Table 26: LRMC of our distribution network ($/kVA pa)

Tariff class	Step	Total
Sub-Transmission	$ 14.6	$ 14.6
Zone Substation	$ 22.7	$ 37.4
HV Feeder	$ 13.3	$ 50.7
LV Transformer	$ 11.7	$ 62.4

The prices of peak demand in our annual demand tariffs are closely aligned to the LRMC price of the next voltage. For example:

- Large LV Business Annual Demand has a peak demand price of $52.92/kVA pa which closely aligns with the $50.70 for HV in table 24 above. Note that the costs of the LV transformer are recovered in the anytime demand charge of $37.80/kVA pa which includes a proportion of both LRMC and residual costs.
- HV Business Annual Demand has a peak demand price of $38.88/kVA pa which closely aligns with the $37.40 for Zone Substation in table 24 above. Note that the costs of the HV feeder are recovered in the anytime demand charge of $37.80/kVA pa which includes a proportion of both LRMC and residual costs.

3.1.3 Distribution cost recovery

Distribution Use of System (DUoS) unders and overs account balance

In accordance with the AER's 2020-25 Revenue Determination, Table 27 provides the forecast 30 June 2021 balance of SA Power Networks' distribution use of system unders and overs account.

SA Power Networks is expected to achieve a closing balance as close to zero as practicable on its DUoS unders and overs account in each forecast year in its APP.[23]

The 2020/21 Weighted Average Cost of Capital (**WACC**) has been updated in this IPP to represent the updated AER formula. This incorporates the real vanilla WACC from the AER's Final Decision with the CPI increase applicable to this 2020/21 revenue.

Table 27: Distribution unders and overs account balance ($'000)

Unders and overs account	2018/19 Actual	2019/20 Estimate	2020/21 Forecast
(A) Revenue from DUoS charges	**793,313**	**862,704**	**808,629**
(B) Less TAR for regulatory year =	**804,158**	**837,348**	**808,658**
+ Adjustment annual smoothed revenues (AAR_t)	804,158	837,348	775,910
+ Incentive scheme amounts (I_t)	-	-	32,748
+ Annual Adjustments (B_t)	-	-	-
+ Cost pass-through amounts (C_t)	-	-	-
(C) Revenue deliberately under-recovered in year (c)	**-**	**-**	**-**
(A Minus B plus C) (Under)/Over Recovery of revenue for regulatory year	**(10,844)**	**25,356**	**(29)**
DUoS unders and overs account			
Nominal WACC (per cent)	6.13%	6.09%	4.30%
Opening balance	(12,670)	(24,618)	-
Interest on opening balance	(777)	(1,498)	-
(Under)/over recovery for financial year	(10,844)	25,356	(29)
Interest on (under)/over recovery	(327)	760	(1)
Closing balance	**(24,618)**	**-**	**(30)**

[23] AER, indicative standard control services control mechanism formula and related information, April 2020, page 5.

3.2 Designated pricing proposal charges: Transmission charges

SA Power Networks' Pricing Proposal is required under the NER[24] to set out how the designated pricing proposal charges (DPPC) it incurs are passed on to customers. DPPC is also referred to in this document as Transmission Use of Service (**TUoS**).

3.2.1 Transmission cost recovery

The key principles of SA Power Networks' transmission cost recovery (**TCR**) tariff methodology are:

- the total TUoS allocated to network tariffs aligns with the total estimated transmission charge to be paid by SA Power Networks, adjusted for any unders and overs account balance;
- to the extent possible, given the constraints of metering and tariff structures, transmission charges are allocated to network tariffs in a manner that reflects the cost drivers present in transmission pricing (ElectraNet price signals are in line with their 2018-23 Transmission determination);
- customers with a demand of 10 MW or consumption in excess of 40 GWh pa have individually calculated tariffs with transmission charges allocated in a manner that preserves the location and time signals of transmission pricing in accordance with the NER principles.[25]
- network tariffs for smaller customer classes have transmission charges allocated on an energy basis, as location signals cannot be preserved. Small customers are assumed to have a load factor better suited to using ElectraNet's non-locational energy prices than the capacity-based price. Large business cost-reflective tariffs have costs allocated on a capacity basis but are then priced partly as demand and partly as energy. This ensures a reasonable outcome across the large business tariff classes that do not receive an individually calculated transmission price. It also ensures a reasonable balance between large and small customers.

3.2.2 Avoided TUoS payments

With respect to avoided TUoS for embedded generators, SA Power Networks calculates the avoided TUoS for all embedded generators that export to its distribution network at the same rates for the locational component which would be applied to a load of similar size at the same connection point. These calculations are prepared on a with/without basis.

This payment of avoided TUoS charges to embedded generators is in accordance with the NER.[26] These avoided TUoS payments to embedded generators would be recouped through the recovery mechanism for the TUoS charges. We have not made any payments to date.

3.2.3 Charging parameters for transmission recovery tariffs

SA Power Networks' transmission recovery tariffs are included in the bundled NUoS rates of customer tariffs. The charging parameters associated with transmission cost recovery tariffs are shown in Section 2 in Table 6 and Table 7. For customers with a demand greater than 10 MW or consumption in excess of 40 MWh pa the transmission cost recovery tariff is location specific; for all other customers including small customers it is averaged. Transmission cost recovery amounts are billed at the same frequency as the relevant tariff for standard control services.

[24] NER 6.18.2(b)
[25] NER Chapter 6A Part J
[26] NER 5.5(h), 5.5(i) and 5.5(j)

3.2.4 TUoS unders and overs account balance

The 2020/21 WACC has been updated in this IPP to represent the updated AER formula. This incorporates the real vanilla WACC from the AER's Final Decision with the CPI increase applicable to this 2020/21 revenue.

Table 28 provides the forecast 30 June 2021 balance of SA Power Networks' TUoS unders and overs account.

The 2020/21 WACC has been updated in this IPP to represent the updated AER formula. This incorporates the real vanilla WACC from the AER's Final Decision with the CPI increase applicable to this 2020/21 revenue.

Table 28: Transmission unders and overs account balance ($'000)

Unders and overs account	2018/19 Actual	2019/20 Estimate	2020/21 Forecast
(A) Revenue from DPPC (TUoS cost recovery)	**236,558**	**251,676**	**263,176**
(B) Less DPPC related payments for regulatory year =	**239,995**	**244,016**	**263,187**
+ DPPC to be paid to TNSP	239,995	244,016	263,187
+ Avoided TUoS/DPPC payments	-	-	-
+ Inter-distributor payments	-	-	-
(A minus B) Under/over recovery of revenue for regulatory year	**(3,347)**	**7,660**	**(11)**
TUoS unders and overs account			
Nominal WACC (per cent)	6.13%	6.09%	4.30%
Opening balance	(3,671)	(7,437)	-
Interest on opening balance	(255)	(453)	-
(Under)/over recovery for financial year	(3,437)	7,660	(11)
Interest on (under)/over recovery	(104)	230	-
Closing balance	**(7,437)**	**-**	**(11)**

3.2.5 Transmission recovery tariffs for 2020/21

SA Power Networks' 2019/20 transmission charges are forecast to increase from an estimated $244.0M in 2019/20 to $263.2M in 2020/21. ElectraNet and MurrayLink revenues in 2020/21 will be in line with their 2018-23 Reset Final Determination. The forecast increase of $19.2M (7.9%) is likely to be due to a decline in discounts from lower National Electricity Market settlement residues.

SA Power Networks has prepared prices for 2020/21 that recover ElectraNet's charges and the closing balance of past under-recoveries (zero balance estimated for June 2020). Prices for locational customers are based on the ElectraNet Price List.

All other customers have had prices applied on a State-wide non-locational basis, using the pricing signals provided by ElectraNet, the billing parameters available for that customer segment and the customer demand assumptions for that customer segment.

3.3 Jurisdictional scheme obligations (JSO) for PV-FiT

The solar PV feed-in tariff (**PV-FiT**) scheme is a SA Government initiative which commenced on 1 July 2008 and is to apply for 20 years. It was reviewed by the SA Government in 2009/10 and amendments to the legislation took effect from 29 July 2011.[27] The amendments to the legislation introduced two further schemes – one which required application by September 2011 which also applies until June 2028 and a further scheme for subsequent applications which applied until September 2016 and is no longer in effect. Entry to the 2028 scheme is closed. Under the SA Government legislation, SA Power Networks is obliged to make PV-FiT payments to qualifying customers that have solar PV generators, for energy they export to the grid.

The purpose of the JSO is to allow SA Power Networks to recover from all its customers the cost of the SA Government legislated feed-in tariff payments that SA Power Networks is required to make to those customers that have qualifying solar PV generators.

Under the JSO arrangements, SA Power Networks is required to provide information on the payments and recoveries of PV FiT in the same manner to that used for transmission (see Section 3.2 for these requirements). SA Power Networks recovers the JSO as an additional component of its bundled NUoS charges. Since 2016/17 we have applied the tariff class outcome for PV FiT broadly equally across all tariffs and usage elements within that tariff class.

3.3.1 Jurisdictional Scheme Obligation (JSO) unders and overs account balance

Table 29 provides the forecast 2020/21 balance of SA Power Networks' JSO unders and overs account.

The 2020/21 WACC has been updated in this IPP to represent the updated AER formula. This incorporates the real vanilla WACC from the AER's Final Decision with the CPI increase applicable to this 2020/21 revenue.

Table 29: JSO unders and overs account balance ($'000)

Unders and overs account	2018/19 Actual	2019/20 Estimate	2020/21 Forecast
(A) Revenue from jurisdictional schemes	**75,972**	**84,485**	**81,048**
(B) Less jurisdictional scheme payments for regulatory year =	**82,289**	**81,048**	**81,048**
+ Jurisdictional Scheme Payments - 2028	14,959	14,740	14,740
+ Jurisdictional Scheme Payments - 2028S	67,330	66,308	66,308
(A minus B) Under/over recovery of revenue for regulatory year	**(6,317)**	**3,437**	**-**
OVERS AND UNDERS ACCOUNT			
Nominal WACC (per cent)	6.13%	6.09%	4.30%
Opening balance	2,988	(3,337)	(1)
Interest on opening balance	183	(203)	-
(Under)/over recovery for financial year	(6,317)	3,437	-
Interest on (under)/over recovery	(191)	103	-
Closing balance	**(3,337)**	**(1)**	**(1)**

[27] Government of South Australia, Electricity (Feed-In Scheme—Solar Systems) Amendment Act 2008.

JSO recovery tariffs for 2020/21

The JSO will be paid to qualifying generation customers via two types of payments:

- Payments under the original scheme (the '2028' Scheme): This scheme closed to new applicants in August 2010. Payments of $14.7M are estimated and forecast for 2019/20 and 2020/21.
- Payments under the subsequent scheme (the '2028 Stepped' Scheme): This scheme opened to new applicants when the 2028 scheme closed and required applications to be approved by September 2011. The number of generators approved under this scheme is much higher than under the 2028 scheme, and the size of the PV generation in each installation is also much higher. As a result, payments under this scheme are significantly higher than the original 2028 scheme, with estimated payments in 2019/20 and forecast payment for 2020/21 at $66.3M.

Both 2028 schemes have payments set at 44 cents/kWh for qualifying generation until June 2028.
SA Power Networks' JSO (PV-FiT) recovery tariffs are estimated to recover a total of $84.5M for 2019/20 and the forecast recovery payment for 2020/21 is $81.0M.

4. Alternative control service charges

Alternative control services are direct control services that are initiated by and/or are directly attributable to specific customers (ie where the cost of the service can be assigned to an individual customer), that are subject to direct regulatory oversight. In its 2020-25 revenue determination, the AER have classified Type 5 and 6 metering services (legacy metering services), various other metering related services, non-standard connection services, network ancillary services and public lighting services as alternative control services.

Part A of the 2020-25 TSS sets out our proposed tariff structure for ACS comprising of fee-based and quoted services related to:

- **Ancillary network services**
- **Metering services**
- **Public Lighting services**

4.1.1 ACS Control Mechanism

The AER determined that price caps will apply for alternative control services.

Fee based services:

The price cap formula to be applied to legacy metering, public lighting and ancillary fee-based services is as follows:

$$p_t^{-i} \geq p_t^i \qquad \text{i=1, …, n and t=1, 2, …, 5}$$

$$p_t^{-i} \geq p_{t-1}^{-i} \times (1 + CPI_t) \times (1 - X_t^i) + A_t^i$$

Where:

p_t^{-i} is the cap on the price of service i in year t.

p_t^i is the price of service i in year t. The initial value is to be decided in the 2020-25 distribution determination.

p_{t-1}^{-i} the cap on price of service i in year t-1.

t is the regulatory year.

ΔCPI_t is the annual percentage change in the ABS consumer price index (CPI) All Groups, Weighted Average of Eight Capital Cities[28] from the December quarter in year *t*–2 to the December quarter in year *t*–1, calculated using the following method:

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

X_t^i is the X factor for service i in year t. The X factors are to be decided in the 2020-25 distribution determination and will be based on the approach SA Power Networks undertakes to develop its initial prices.

[28] If the ABS does not, or ceases to, publish the index, then CPI will mean an index which the AER considers is the best available alternative index.

A_t^i is the sum of any adjustments for service i in year t. Likely to include, but not limited to, adjustments for any approved cost pass through amounts (positive or negative) with respect to regulatory year t, as determined by the AER.

Quoted services:

The price cap formula to apply to quoted services is as follows:

Price = Labour + Contractor Services + Materials + Margin

Where:

Labour consists of all labour costs directly incurred in the provision of the service which may include labour on-costs, fleet on-costs, and overheads. Labour is escalated annually by $(1 + \Delta CPI_t)(1 - X_t^i)$ where:

ΔCPI_t is the annual percentage change in the ABS consumer price index (CPI) All Groups, Weighted Average of Eight Capital Cities[29] from the December quarter in year *t*–2 to the December quarter in year *t*–1, calculated using the following method:

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

X_t^i is the X factor for service i in year t. The X factor is to be decided in the 2020-25 distribution determination and will be based on the approach SA Power Networks undertakes to develop its initial prices.

Contractor Services reflect all costs associated with the use of the external labour including overheads and any direct costs incurred. The contracted services charge applies the rates under existing contractual arrangements. Direct costs incurred are passed on to the customer.

Materials reflect the cost of materials directly incurred in the provision of the service, material on-costs and overheads.

Margin is equal to six percent of the total of *Labour*, *Contractor Services* and *Materials*.

[29] If the ABS does not, or ceases to, publish the index, then CPI will mean an index which the AER considers is the best available alternative index.

Appendix A: Compliance Checklist

The development of this APP is governed by Chapter 6 of the Rules. The compliance statement shown in Table 30 has been prepared with reference to ss. 6.18.2 and 6.18.5 of the Rules.[30]

Table 30: Annual Pricing Proposal Compliance Checklist

Rule Provision	Rule Requirement	Relevant Section
PART I: Distribution Pricing Rules		
6.18.2	**Pricing Proposals**	
6.18.2(a)	A *Distribution Network Service Provider* must:	
6.18.2(a)(1)	submit to the *AER,* as soon as practicable, and in any case within 15 *business days*, after *publication* of the distribution determination, a *pricing proposal* (the **initial *pricing proposal***) for the first *regulatory year* of the *regulatory control period*; and	This Document
6.18.2(a)(2)	Submit to the *AER*, at least 3 months before the commencement of the second and each subsequent *regulatory year* of the *regulatory control period*, a further *pricing proposal* (an **annual *pricing proposal***) for the relevant *regulatory year.*	N/A
6.18.2(b)	A *pricing proposal* must:	
6.18.2(b)(1)	[Deleted]	N/A
6.18.2(b)(2)	set out the proposed tariffs for each *tariff class* that is specified in the *Distribution Network Service Provider's tariff structure statement* for the relevant *regulatory control period*;	Appendix B Attachment A
6.18.2(b)(3)	set out, for each proposed tariff, the *charging parameters* and the elements of service to which each *charging parameter* relates;	Section 2.3
6.18.2(b)(4)	set out, for each *tariff class* related to *standard control services*, the expected weighted average revenue for the relevant *regulatory year* and also for the current *regulatory year*;	Section 3.1
6.18.2(b)(5)	set out the nature of any variation or adjustment to the tariff that could occur during the course of the *regulatory year* and the basis on which it could occur;	Section 2.3
6.18.2(b)(6)	set out how *designated pricing proposal charges* are to be passed on to customers and any adjustments to tariffs resulting from over or under recovery of those charges in the previous *regulatory year*;	Section 3.2 Attachment A
6.18.2(b)(6A)	set out how *jurisdictional scheme amounts* for each *approved jurisdictional scheme* are to be passed on to customers and any adjustments to tariffs resulting from over or under recovery of those amounts;	Section 3.3 Attachment A
6.18.2(b)(6B)	describe how each approved *jurisdictional scheme* that has been amended since *the last jurisdictional scheme approval date* meets the *jurisdictional scheme eligibility criteria*;	Section 3.3
6.18.2(b)(7)	demonstrate compliance with the *Rules* and any applicable distribution determination, including the *Distribution Network Service Provider's tariff structure statement* for the relevant *regulatory control period*;	This document Attachment A
6.18.2(b)(7A)	demonstrate how each proposed tariff is consistent with the corresponding indicative pricing levels for the relevant *regulatory year* as set out in the relevant *indicative pricing schedule*, or explain any material differences between them; and	Section 2.5
6.18.2(b)(8)	describe the nature and extent of change from the previous *regulatory year* and demonstrate that the changes comply with the *Rules* and any applicable distribution determination.	Section 2.4
6.18.2(c)	The *AER* must on receipt of a *pricing proposal* from a *Distribution Network Service Provider* publish the proposal.	Noted

[30] Version 138, 8 May 2020.

Rule Provision	Rule Requirement	Relevant Section
6.18.2(d)	At the same time as a *Distribution Network Service Provider* submits a *pricing proposal* under paragraph (a), the *Distribution Network Service Provider* must submit to the *AER* a revised *indicative pricing schedule* which sets out, for each tariff and for each of the remaining *regulatory years* of the *regulatory control period*, the indicative price levels determined in accordance with the *Distribution Network Service Provider's tariff structure statement* for that *regulatory control period* and updated so as to take into account that *pricing proposal*.	Appendix B Attachment A
6.18.2(e)	Where the *Distribution Network Service Provider* submits an annual *pricing proposal*, the revised *indicative pricing schedule* referred to in paragraph (d) must also set out, for each relevant tariff under clause 6.18.1C, the indicative price levels for that relevant tariff for each of the remaining *regulatory years* of the *regulatory control period*, updated so as to take into account that *pricing proposal*.	N/A
6.18.5	**Pricing Principles**	
Network pricing objective		
6.18.5(a)	The *network pricing objective* is that the tariffs that a *Distribution Network Service Provider* charges in respect of its provision of *direct control services* to a *retail customer* should reflect the *Distribution Network Service Provider's* efficient costs of providing those services to the *retail customer*.	Noted
Application of the pricing principles		
6.18.5(b)	Subject to paragraph (c), a *Distribution Network Service Provider's* tariffs must comply with the pricing principles set out in paragraphs (e) to (j).	Noted
6.18.5(c)	A *Distribution Network Service Provider's* tariffs may vary from tariffs which would result from complying with the pricing principles set out in paragraphs (e) to (g) only:	Noted
6.18.5(c)(1)	to the extent permitted under paragraph (h); and	Noted
6.18.5(c)(2)	to the extent necessary to give effect to the pricing principles set out in paragraphs (i) to (j).	Noted
6.18.5(d)	A *Distribution Network Service Provider* must comply with paragraph (b) in a manner that will contribute to the achievement of the *network pricing objective*.	Noted
Pricing principles		
6.18.5(e)	For each *tariff class*, the revenue expected to be recovered must lie on or between:	Section 3.1
6.18.5(e)(1)	an upper bound representing the stand-alone cost of serving the *retail customers* who belong to that class; and	-
6.18.5(e)(2)	a lower bound representing the avoidable cost of not serving those *retail customers*.	-
6.18.5(f)	Each tariff must be based on the *long run marginal cost* of providing the service to which it relates to the *retail customers* assigned to that tariff with the method of calculating such cost and the manner in which that method is applied to be determined having regard to:	2020-25 TSS Section 3.1
6.18.5(f)(1)	the costs and benefits associated with calculating, implementing and applying that method as proposed;	-
6.18.5(f)(2)	the additional costs likely to be associated with meeting demand from *retail customers* that are assigned to that tariff at times of greatest utilisation of the relevant part of the *distribution network*; and	-
6.18.5(f)(3)	the location of *retail customers* that are assigned to that tariff and the extent to which costs vary between different locations in the *distribution network*.	-
6.18.5(g)	The revenue expected to be recovered from each tariff must:	
6.18.5(g)(1)	reflect the *Distribution Network Service Provider's* total efficient costs of serving the *retail customers* that are assigned to that tariff;	Attachment A

Rule Provision	Rule Requirement	Relevant Section
6.18.5(g)(2)	when summed with the revenue expected to be received from all other tariffs, permit the *Distribution Network Service Provider* to recover the expected revenue for the relevant services in accordance with the applicable distribution determination for the *Distribution Network Service Provider*; and	Attachment A
6.18.5(g)(3)	comply with sub-paragraphs (1) and (2) in a way that minimises distortions to the price signals for efficient usage that would result from tariffs that comply with the pricing principle set out in paragraph (f).	Attachment A
6.18.5(h)	A *Distribution Network Service Provider* must consider the impact on *retail customers* of changes in tariffs from the previous *regulatory year* and may vary tariffs from those that comply with paragraphs (e) to (g) to the extent the *Distribution Network Service Provider* considers reasonably necessary having regard to:	2020-25 TSS Section 2.3
6.18.5(h)(1)	the desirability for tariffs to comply with the pricing principles referred to in paragraphs (f) and (g), albeit after a reasonable period of transition (which may extend over more than one *regulatory control period*);	-
6.18.5(h)(2)	the extent to which *retail customers* can choose the tariff to which they are assigned; and	-
6.18.5(h)(3)	the extent to which *retail customers* are able to mitigate the impact of changes in tariffs through their usage decisions.	-
6.18.5(i)	The structure of each tariff must be reasonably capable of being understood by *retail customers* that are assigned to that tariff, having regard to:	2020-25 TSS Section 2.3
6.18.5(i)(1)	the type and nature of those *retail customers*; and	-
6.18.5(i)(2)	the information provided to, and the consultation undertaken with, those *retail customers*.	-
6.18.5(j)	A tariff must comply with the *Rules* and all *applicable regulatory instruments*.	2020-25 TSS

Appendix B: Standard control services tariff schedules

This Appendix includes the standard control services tariff schedules for 2020/21.

Our formal IPP for 2020/21, to be submitted to the AER in June 2020, will contain the same 2020/21 scheduled prices plus the indicative price schedule for years 2-5 of the 2020-25 RCP.

Table 31: NUoS tariff schedule 2020/21

SA Power Networks' Tariffs 2020/21 Price Schedule - Network Use of Service (NUoS)			SUPPLY Supply Rate $/day	ENERGY BASED USAGE Single and ToU consumption $/kWh Non-TOU				ANNUAL kVA DEMAND Actual/Agreed Annual $/kVA/day		MONTHLY kVA DEMAND Actual Monthly Demand $/kVA/day			MONTHLY kW DEMAND Actual Monthly $kW/day		ENERGY BASED USAGE CL Single and TOU consumption billed (MWh) $/kWh			
Code SA	Code CBD only	Name (Residential) Name (Business)		$/kWh Non-TOU	$/kWh Peak	$/kWh Off-Peak Shoulder	$/kWh Solar Sponge Off-Peak	$/kVA/day Peak Year	$/kVA/day Anytime Year	$/kVA/day Peak 5	$/kVA/day BD Summer 5	$/kVA/day BD Shoulder 12	$kW/day Mth Peak 5	$kW/day Anytime Year	$/kWh Non-TOU	$/kWh Peak	$/kWh Off-Peak	$/kWh Solar Sponge
Residential (Domestic tariffs)																		
Residential Type 5, 6 Meters																		
RSR/RSROPCL	RSR/RSROPCL	Residential Single Rate (Type 6 meter)	$ 0.4658	$ 0.1378											$ 0.0690			
RSR/RSRCL	RSR/RSRCL	Residential Single Rate (Type 4 meter)	$ 0.4658	$ 0.1378												$ 0.1723	$ 0.0690	$ 0.0345
RTOU/RTOUCL	RTOU/RTOUCL	Residential Time of Use	$ 0.4658		$ 0.1723	$ 0.0690	$ 0.0345									$ 0.1723	$ 0.0690	$ 0.0345
RPRO/RPROCL	RPRO/RPROCL	Residential Prosumer	$ 0.4658		$ 0.1033	$ 0.0414	$ 0.0206						$ 0.7661			$ 0.1723	$ 0.0690	$ 0.0345
Small Business <160 MWh																		
Small Business Unmetered Tariffs																		
LVUU	LVUU	Overnight Unmetered	$ -	$ 0.0984														
LVUU24	LVUU24	24 hr Unmetered	$ -	$ 0.0984														
Small Business Type 6 Meters																		
BSR/BSRCL	BSR/BSRCL	Business Single Rate	$ 0.5068	$ 0.1501											$ 0.0715			
B2R/B2RCL	B2R/B2RCL	Business Two Rate	$ 0.5068		$ 0.1693		$ 0.0846								$ 0.0715			
BCL	BCL	Business Controlled Load only	$ -												$ 0.0715			
Small Business Interval Meters (type 4, 5)																		
SBTOU	SBTOU	Small Business Time of Use	$ 0.5068		$ 0.2253	$ 0.1568	$ 0.0846											
SBTOUD	SBTOUD	Small Business Time of Use with Demand	$ 0.5068		$ 0.1803	$ 0.1254	$ 0.0677		$ 0.0814									
SBD	SBD	Small Business Actual Monthly Demand (transition)	$ 2.7808	$ 0.0789							$ 0.3962	$ 0.1960						
Large LV Business >160 MWh pa																		
Large LV Business Type 6 Meter Tariffs																		
LBSR/LBSRCL	LBSR/LBSRCL	Large LV Business Single Rate	$ 0.5068	$ 0.1803											$ 0.0715			
LB2R/LB2RCL	LB2R/LB2RCL	Large LV Business Two Rate	$ 0.5068		$ 0.2032		$ 0.1016								$ 0.0715			
Large LV Business - Interval Meter Tariffs																		
LBAD-SA	LBAD-CBD	Large Business Annual Demand	$ 6.8493		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBMD-SA	LBMD-CBD	Large Business Monthly Peak Demand	$ 6.8493		$ 0.0662		$ 0.0414		$ 0.1036	$ 0.9183								
BD	BD	Large Business Actual Monthly Demand (transition)	$ 2.7397	$ 0.0770							$ 0.3962	$ 0.1960						
LBG-SA	LBG-CBD	LV Business Generation supply	$ 6.8493					$ 0.2533	$ 0.1036									
LBAD201		Large Business Annual Demand	$ 41.0958		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD262		Large Business Annual Demand	$ 34.2465		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD292		Large Business Annual Demand	$ 27.3972		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD296		Large Business Annual Demand	$ 47.9451		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD322		Large Business Annual Demand	$ 13.6986		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD342		Large Business Annual Demand	$ 13.6986		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD517		Large Business Annual Demand	$ 20.5479		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD583		Large Business Annual Demand	$ 13.6986		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD619		Large Business Annual Demand	$ 13.6986		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD711		Large Business Annual Demand	$ 20.5479		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBAD977		Large Business Annual Demand	$ 82.1916		$ 0.0662		$ 0.0414	$ 0.2533	$ 0.1036									
LBMD979		Large Business Annual Demand	$ 27.3972		$ 0.0662		$ 0.0414	$ -	$ 0.1036									

SA Power Networks' Tariffs Price Schedule - Network Use of Service (NUoS)			SUPPLY Supply Rate $/day	ENERGY BASED USAGE Single and ToU consumption $/kWh				ANNUAL kVA DEMAND Actual/Agreed Annual $/kVA/day		MONTHLY kVA DEMAND Actual Monthly Demand $/kVA/day			MONTHLY kW DEMAND Actual Monthly $kW/day		ENERGY BASED USAGE CL Single and TOU consumption billed (MWh) $/kWh			
Code SA	Code CBD only	Name (Residential) Name (Business)		Non-TOU Non-TOU	Peak Peak	Off-Peak Shoulder	Solar Sponge Off-Peak	Peak Year	Anytime Year	Peak 5	BD Summer 5	BD Shoulder 12	Mth Peak 5 Mth Peak 5	Anytime Year	Non-TOU Non-TOU	Peak	Off-Peak	Solar Sponge
Large HV Business																		
HV Business - Interval Meter Tariffs																		
HVAD-SA	HVAD-CBD	HV Business Annual Demand	$ 41.0959		$ 0.0414		$ 0.0259	$ 0.2148	$ 0.1036									
HVMD-SA	HVMD-CBD	HV Business Monthly Peak Demand	$ 41.0959		$ 0.0414		$ 0.0259		$ 0.1036	$ 0.7788								
HBD	HBD	HV Business Actual Monthly Demand (transition)	$ 2.7397	$ 0.0754							$ 0.3962	$ 0.1960						
HVAD500-SA	HVAD500-CBD	HV Business Annual Demand <500kVA	$ 6.8493		$ 0.0641		$ 0.0401		$ 0.1036									
HVBG-SA	HVBG-CBD	HV Business Generation supply	$ -					$ 0.2148	$ 0.1036									
HVAD033		HV Business Annual Demand	$1,382.1959		$ 0.0283		$ 0.0177	$ 0.1065	$ 0.1036									
HVAD056		HV Business Annual Demand	$1,011.5459		$ 0.0283		$ 0.0177	$ 0.1065	$ 0.1036									
HVAD078		HV Business Annual Demand	$ 123.2877		$ 0.0414		$ 0.0259	$ 0.2148	$ 0.1036									
HVAD089		HV Business Annual Demand	$1,198.1459		$ 0.0283		$ 0.0177	$ 0.1065	$ 0.1036									
HVAD130		HV Business Annual Demand	$ 897.9559		$ 0.0283		$ 0.0177	$ 0.1065	$ 0.1036									
HVAD131		HV Business Annual Demand	$ 829.5359		$ 0.0283		$ 0.0177	$ 0.1065	$ 0.1036									
HVAD265		HV Business Annual Demand	$ 941.7959		$ 0.0283		$ 0.0177	$ 0.1065	$ 0.1036									
HVAD381		HV Business Annual Demand	$ 391.3259		$ 0.0414		$ 0.0259	$ 0.2148	$ 0.1036									
HVAD439		HV Business Annual Demand	$ 634.7159		$ 0.0283		$ 0.0177	$ 0.1065	$ 0.1036									
Major Business																		
Major Business Zone Sub-Station																		
ZSN		Zone Substation kVA	$ -	$ 0.0135				$ 0.1497	$ 0.0740									
ZSS025		Zone Substation non-Locational	$ -	$ 0.0135				$ 0.1497	$ 0.0740									
ZSS104		Zone Substation non-Locational	$ 590.9600	$ 0.0135				$ 0.1497	$ 0.0740									
ZSS196		Zone Substation non-Locational	$ 559.9400	$ 0.0053				$ 0.0414	$ 0.0740									
ZSS296		Zone Substation non-Locational	$ 835.6200	$ 0.0135				$ 0.1497	$ 0.0740									
ZSS766		Zone Substation non-Locational	$ -	$ 0.0135				$ 0.1497	$ 0.0740									
ZSS951		Zone Substation non-Locational	$1,223.8400	$ 0.0053				$ 0.0414	$ 0.0740									
Major Business Zone Sub-Station Locational TUoS																		
ZSN021		Zone Substation kVA Locational	$3,487.2000	$ 0.0053				$ 0.0414	$ 0.0740									
ZSN024		Zone Substation kVA Locational	$ 113.9000	$ 0.0053				$ 0.2198	$ 0.0740									
ZSN035		Zone Substation kVA Locational	$ 168.9000	$ 0.0053				$ 0.2618	$ 0.0740									
	ZSN228	Zone Substation kVA Locational	$ 150.5000	$ 0.0053				$ 0.2553	$ 0.0740									
ZSN272		Zone Substation kVA Locational	$ -	$ 0.0135				$ 0.1497	$ 0.0740									
ZSN273		Zone Substation kVA Locational	$ -	$ 0.0135				$ 0.1497	$ 0.0740									
ZSN307		Zone Substation kVA Locational	$ 308.8800	$ 0.0053				$ 0.0414	$ 0.0740									
ZSN438		Zone Substation kVA Locational	$2,406.0800	$ 0.0053				$ 0.0414	$ 0.0740									
ZSN608		Zone Substation kVA Locational	$ 118.6400	$ 0.0053				$ 0.2199	$ 0.0740									
ZSN767		Zone Substation kVA Locational	$ 658.2800	$ 0.0053				$ 0.0414	$ 0.0740									
Major Business Sub Transmission																		
STN		Sub transmission kVA	$ -	$ 0.0107				$ 0.1083	$ 0.0414									
STR148		Sub Transmission non-Locational	$ -	$ 0.0107				$ 0.1083	$ 0.0414									
STR610		Sub Transmission non-Locational	$1,019.1800	$ 0.0107				$ 0.1083	$ 0.0414									
STR749		Sub Transmission non-Locational	$ 432.8800	$ 0.0107				$ 0.1083	$ 0.0414									
Major Business Sub Transmission Locational																		
STN018		Sub transmission kVA Locational	$5,469.3000	$ 0.0025				$ -	$ 0.0414									
STN084		Sub transmission kVA Locational	$1,022.4000	$ 0.0025				$ 0.2318	$ 0.0414									
STN161		Sub transmission kVA Locational	$6,494.8300	$ 0.0025				$ -	$ 0.0414									
STN162		Sub transmission kVA Locational	$ 73.2000	$ 0.0025				$ 0.1951	$ 0.0414									
STN378		Sub transmission kVA Locational	$ 334.3000	$ 0.0025				$ 0.2432	$ 0.0414									
STN557		Sub transmission kVA Locational	$ 440.0000	$ 0.0025				$ 0.2769	$ 0.0414									
STN609		Sub transmission kVA Locational	$3,613.1000	$ 0.0025				$ -	$ 0.0414									
STN788		Sub transmission kVA Locational	$1,768.7000	$ 0.0025				$ -	$ 0.0414									
STN840		Sub transmission kVA Locational	$ 940.9700	$ 0.0025				$ -	$ 0.0414									

Table 32: DUoS tariff schedule 2020/21

SA Power Networks' Tariffs Price Schedule - Distribution Use of Service (DUoS)			SUPPLY Supply Rate $/day	ENERGY BASED USAGE Single and ToU consumption $/kWh				ANNUAL kVA DEMAND Actual/Agreed Annual $/kVA/day		MONTHLY kVA DEMAND Actual Monthly Demand $/kVA/day			MONTHLY kW DEMAND Actual Monthly $kW/day		ENERGY BASED USAGE CL Single and TOU consumption billed (MWh) $/kWh			
Code SA	Code CBD only	Name (Residential) Name (Business)		Non-TOU Non-TOU	Peak Peak	Off-Peak Shoulder	Solar Sponge Off-Peak	Peak Year	Anytime Year	Peak 5	BD Summer 5	BD Shoulder 12	Mth Peak 5 Mth Peak 5	Anytime Year	Non-TOU Non-TOU	Peak	Off-Peak	Solar Sponge
Residential (Domestic tariffs)																		
Residential Type 5, 6 Meters																		
RSR/RSROPCL	RSR/RSROPCL	Residential Single Rate (Type 6 meter)	$ 0.4247	$ 0.0923											$ 0.0462			
RSR/RSRCL	RSR/RSRCL	Residential Single Rate (Type 4 meter)	$ 0.4247	$ 0.0923												$ 0.1154	$ 0.0462	$ 0.0231
RTOU/RTOUCL	RTOU/RTOUCL	Residential Time of Use	$ 0.4247		$ 0.1154	$ 0.0462	$ 0.0231									$ 0.1154	$ 0.0462	$ 0.0231
RPRO/RPROCL	RPRO/RPROCL	Residential Prosumer	$ 0.4247		$ 0.0692	$ 0.0277	$ 0.0138						$ 0.5132			$ 0.1154	$ 0.0462	$ 0.0231
Small Business <160 MWh																		
Small Business Unmetered Tariffs																		
LVUU	LVUU	Overnight Unmetered	$ -	$ 0.0680														
LVUU24	LVUU24	24 hr Unmetered	$ -	$ 0.0680														
Small Business Type 6 Meters																		
BSR/BSRCL	BSR/BSRCL	Business Single Rate	$ 0.4657	$ 0.1045											$ 0.0462			
B2R/B2RCL	B2R/B2RCL	Business Two Rate	$ 0.4657		$ 0.1178		$ 0.0589								$ 0.0462			
BCL	BCL	Business Controlled Load only	$ -												$ 0.0462			
Small Business Interval Meters (type 4, 5)																		
SBTOU	SBTOU	Small Business Time of Use	$ 0.4657		$ 0.1568	$ 0.1091	$ 0.0589											
SBTOUD	SBTOUD	Small Business Time of Use with Demand	$ 0.4657		$ 0.1255	$ 0.0873	$ 0.0471		$ 0.0814									
SBD	SBD	Small Business Actual Monthly Demand (transition)	$ 2.7397	$ 0.0515							$ 0.3094	$ 0.1531						
Large LV Business >160 MWh pa																		
Large LV Business Type 6 Meter Tariffs																		
LBSR/LBSRCL	LBSR/LBSRCL	Large LV Business Single Rate	$ 0.4657	$ 0.1255											$ 0.0462			
LB2R/LB2RCL	LB2R/LB2RCL	Large LV Business Two Rate	$ 0.4657		$ 0.1414		$ 0.0707								$ 0.0462			
Large LV Business - Interval Meter Tariffs																		
LBAD-SA	LBAD-CBD	Large Business Annual Demand	$ 6.8493		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBMD-SA	LBMD-CBD	Large Business Monthly Peak Demand	$ 6.8493		$ 0.0421		$ 0.0263		$ 0.1036	$ 0.5257								
BD	BD	Large Business Actual Monthly Demand (transition)	$ 2.7397	$ 0.0515							$ 0.3094	$ 0.1531						
LBG-SA	LBG-CBD	LV Business Generation supply	$ 6.8493					$ 0.1450	$ 0.1036									
LBAD201		Large Business Annual Demand	$ 41.0958		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD262		Large Business Annual Demand	$ 34.2465		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD292		Large Business Annual Demand	$ 27.3972		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD296		Large Business Annual Demand	$ 47.9451		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD322		Large Business Annual Demand	$ 13.6986		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD342		Large Business Annual Demand	$ 13.6986		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD517		Large Business Annual Demand	$ 20.5479		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD583		Large Business Annual Demand	$ 13.6986		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD619		Large Business Annual Demand	$ 13.6986		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD711		Large Business Annual Demand	$ 20.5479		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD977		Large Business Annual Demand	$ 82.1916		$ 0.0421		$ 0.0263	$ 0.1450	$ 0.1036									
LBAD979		Large Business Annual Demand	$ 27.3972		$ 0.0421		$ 0.0263	$ -	$ 0.1036									

SA Power Networks' Tariffs **Price Schedule - Distribution Use of Service (DUoS)**			**SUPPLY**	**ENERGY BASED USAGE**				**ANNUAL kVA DEMAND**		**MONTHLY kVA DEMAND**			**MONTHLY kW DEMAND**		**ENERGY BASED USAGE**			
			Supply Rate	Single and ToU consumption				Actual/Agreed Annual		Actual Monthly Demand			Actual Monthly		CL Single and TOU consumption billed (MWh)			
			$/day	$/kWh	$/kWh	$/kWh	$/kWh	$/kVA/day	$/kVA/day	$/kVA/day	$/kVA/day	$/kVA/day	$kW/day	$kW/day	$/kWh	$/kWh	$/kWh	$/kWh
Code	Code	Name (Residential)																
SA	CBD only	Name (Business)		Non-TOU	Peak	Off-Peak	Solar Sponge Off-Peak	Peak Year	Anytime Year	Peak 5	BD Summer 5	BD Shoulder 12	Mth Peak 5	Anytime Year	Non-TOU	Peak	Off-Peak	Solar Sponge
Large HV Business																		
HV Business - Interval Meter Tariffs																		
HVAD-SA	HVAD-CBD	HV Business Annual Demand	$ 41.0959		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
HVMD-SA	HVMD-CBD	HV Business Monthly Peak Demand	$ 41.0959		$ 0.0239		$ 0.0149		$ 0.1036	$ 0.3862								
HBD	HBD	HV Business Actual Monthly Demand (transition)	$ 2.7397	$ 0.0515							$ 0.3094	$ 0.1531						
HVAD500-SA	HVAD500-CBD	HV Business Annual Demand <500kVA	$ 6.8493		$ 0.0421		$ 0.0263		$ 0.1036									
HVBG-SA	HVBG-CBD	HV Business Generation supply	$ -					$ 0.1065	$ 0.1036									
HVAD033		HV Business Annual Demand	$ 41.0959		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
HVAD056		HV Business Annual Demand	$ 41.0959		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
HVAD078		HV Business Annual Demand	$ 123.2877		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
HVAD089		HV Business Annual Demand	$ 41.0959		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
HVAD130		HV Business Annual Demand	$ 41.0959		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
HVAD131		HV Business Annual Demand	$ 41.0959		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
HVAD265		HV Business Annual Demand	$ 41.0959		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
HVAD381		HV Business Annual Demand	$ 391.3259		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
HVAD439		HV Business Annual Demand	$ 41.0959		$ 0.0239		$ 0.0149	$ 0.1065	$ 0.1036									
Major Business																		
Major Business Zone Sub-Station																		
ZSN		Zone Substation kVA	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSS025		Zone Substation non-Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSS104		Zone Substation non-Locational	$ 590.9600	$ 0.0044				$ 0.0414	$ 0.0740									
ZSS196		Zone Substation non-Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSS296		Zone Substation non-Locational	$ 835.6200	$ 0.0044				$ 0.0414	$ 0.0740									
ZSS766		Zone Substation non-Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSS951		Zone Substation non-Locational	$ 295.2400	$ 0.0044				$ 0.0414	$ 0.0740									
Major Business Zone Sub-Station Locational TUoS																		
ZSN021		Zone Substation kVA Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSN024		Zone Substation kVA Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSN035		Zone Substation kVA Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
	ZSN228	Zone Substation kVA Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSN272		Zone Substation kVA Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSN273		Zone Substation kVA Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSN307		Zone Substation kVA Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSN438		Zone Substation kVA Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
ZSN608		Zone Substation kVA Locational	$ 84.0400	$ 0.0044				$ 0.0414	$ 0.0740									
ZSN767		Zone Substation kVA Locational	$ -	$ 0.0044				$ 0.0414	$ 0.0740									
Major Business Sub Transmission																		
STN		Sub transmission kVA	$ -	$ 0.0016				$ -	$ 0.0414									
STR148		Sub Transmission non-Locational	$ -	$ 0.0016				$ -	$ 0.0414									
STR610		Sub Transmission non-Locational	$1,019.1800	$ 0.0016				$ -	$ 0.0414									
STR749		Sub Transmission non-Locational	$ 432.8800	$ 0.0016				$ -	$ 0.0414									
Major Business Sub Transmission Locational																		
STN018		Sub transmission kVA Locational	$ -	$ 0.0016				$ -	$ 0.0414									
STN084		Sub transmission kVA Locational	$ -	$ 0.0016				$ -	$ 0.0414									
STN161		Sub transmission kVA Locational	$ -	$ 0.0016				$ -	$ 0.0414									
STN162		Sub transmission kVA Locational	$ -	$ 0.0016				$ -	$ 0.0414									
STN378		Sub transmission kVA Locational	$ -	$ 0.0016				$ -	$ 0.0414									
STN557		Sub transmission kVA Locational	$ -	$ 0.0016				$ -	$ 0.0414									
STN609		Sub transmission kVA Locational	$ -	$ 0.0016				$ -	$ 0.0414									
STN788		Sub transmission kVA Locational	$ -	$ 0.0016				$ -	$ 0.0414									
STN840		Sub transmission kVA Locational	$ -	$ 0.0016				$ -	$ 0.0414									

Table 33: TUoS tariff schedule 2020/21

SA Power Networks' Tariffs Price Schedule - Transmission Use of Service (TUoS)			SUPPLY Supply Rate $/day	ENERGY BASED USAGE Single and ToU consumption $/kWh				ANNUAL kVA DEMAND Actual/Agreed Annual $/kVA/day		MONTHLY kVA DEMAND Actual Monthly Demand $/kVA/day			MONTHLY kW DEMAND Actual Monthly $kW/day		ENERGY BASED USAGE CL Single and TOU consumption billed (MWh) $/kWh			
Code SA	Code CBD only	Name (Residential) Name (Business)		Non-TOU Non-TOU	Peak Peak	Off-Peak Shoulder	Solar Sponge Off-Peak	Peak Year	Anytime Year	Peak 5	BD Summer 5	BD Shoulder 12	Mth Peak 5 Mth Peak 5	Anytime Year	Non-TOU Non-TOU	Peak	Off-Peak	Solar Sponge
Residential (Domestic tariffs)																		
Residential Type 5, 6 Meters																		
RSR/RSROPCL	RSR/RSROPCL	Residential Single Rate (Type 6 meter)	$ -	$ 0.0339											$ 0.0170			
RSR/RSRCL	RSR/RSRCL	Residential Single Rate (Type 4 meter)	$ -	$ 0.0339												$ 0.0424	$ 0.0170	$ 0.0085
RTOU/RTOUCL	RTOU/RTOUCL	Residential Time of Use	$ -		$ 0.0424	$ 0.0170	$ 0.0085									$ 0.0424	$ 0.0170	$ 0.0085
RPRO/RPROCL	RPRO/RPROCL	Residential Prosumer	$ -		$ 0.0254	$ 0.0102	$ 0.0051						$ 0.1887			$ 0.0424	$ 0.0170	$ 0.0085
Small Business <160 MWh																		
Small Business Unmetered Tariffs																		
LVUU	LVUU	Overnight Unmetered	$ -	$ 0.0252														
LVUU24	LVUU24	24 hr Unmetered	$ -	$ 0.0252														
Small Business Type 6 Meters																		
BSR/BSRCL	BSR/BSRCL	Business Single Rate	$ -	$ 0.0372											$ 0.0170			
B2R/B2RCL	B2R/B2RCL	Business Two Rate	$ -		$ 0.0420		$ 0.0210								$ 0.0170			
BCL	BCL	Business Controlled Load only	$ -												$ 0.0170			
Small Business Interval Meters (type 4, 5)																		
SBTOU	SBTOU	Small Business Time of Use	$ -		$ 0.0559	$ 0.0389	$ 0.0210											
SBTOUD	SBTOUD	Small Business Time of Use with Demand	$ -		$ 0.0447	$ 0.0311	$ 0.0168		$ -									
SBD	SBD	Small Business Actual Monthly Demand (transition)	$ -	$ 0.0203							$ 0.0868	$ 0.0429						
Large LV Business >160 MWh pa																		
Large LV Business Type 6 Meter Tariffs																		
LBSR/LBSRCL	LBSR/LBSRCL	Large LV Business Single Rate	$ -	$ 0.0447											$ 0.0170			
LB2R/LB2RCL	LB2R/LB2RCL	Large LV Business Two Rate	$ -		$ 0.0504		$ 0.0252								$ 0.0170			
Large LV Business - Interval Meter Tariffs																		
LBAD-SA	LBAD-CBD	Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBMD-SA	LBMD-CBD	Large Business Monthly Peak Demand	$ -		$ 0.0176		$ 0.0110		$ -	$ 0.3926								
BD	BD	Large Business Actual Monthly Demand (transition)	$ -	$ 0.0203							$ 0.0868	$ 0.0429						
LBG-SA	LBG-CBD	LV Business Generation supply	$ -					$ 0.1083	$ -									
LBAD201		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD262		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD292		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD296		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD322		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD342		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD517		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD583		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD619		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD711		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD977		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ 0.1083	$ -									
LBAD979		Large Business Annual Demand	$ -		$ 0.0176		$ 0.0110	$ -	$ -									

SA Power Networks' Tariffs **Price Schedule - Transmission Use of Service (TUoS)**			**SUPPLY** Supply Rate $/day	**ENERGY BASED USAGE** Single and ToU consumption $/kWh Non-TOU				**ANNUAL kVA DEMAND** Actual/Agreed Annual $/kVA/day		**MONTHLY kVA DEMAND** Actual Monthly Demand $/kVA/day			**MONTHLY kW DEMAND** Actual Monthly $kW/day		**ENERGY BASED USAGE** CL Single and TOU consumption billed (MWh) $/kWh Non-TOU			
				$/kWh	$/kWh	$/kWh	$/kWh	$/kVA/day	$/kVA/day	$/kVA/day	$/kVA/day	$/kVA/day	$kW/day	$kW/day	$/kWh	$/kWh	$/kWh
Code	Code	Name (Residential)		Non-TOU	Peak	Off-Peak	Solar Sponge						Mth Peak 5		Non-TOU	Peak	Off-Peak	Solar Sponge
SA	CBD only	Name (Business)		Non-TOU	Peak	Shoulder	Off-Peak	Peak Year	Anytime Year	Peak 5	BD Summer 5	BD Shoulder 12	Mth Peak 5	Anytime Year	Non-TOU			
Large HV Business																		
HV Business - Interval Meter Tariffs																		
HVAD-SA	HVAD-CBD	HV Business Annual Demand	$ -		$ 0.0131		$ 0.0082	$ 0.1083	$ -									
HVMD-SA	HVMD-CBD	HV Business Monthly Peak Demand	$ -		$ 0.0131		$ 0.0082		$ -	$ 0.3926								
HBD	HBD	HV Business Actual Monthly Demand (transition)	$ -	$ 0.0203							$ 0.0868	$ 0.0429						
HVAD500-SA	HVAD500-CBD	HV Business Annual Demand <500kVA	$ -		$ 0.0176		$ 0.0110		$ -									
HVBG-SA	HVBG-CBD	HV Business Generation supply	$ -					$ 0.1083	$ -									
HVAD033		HV Business Annual Demand	$1,341.1000		$ -		$ -	$ -	$ -									
HVAD056		HV Business Annual Demand	$ 970.4500		$ -		$ -	$ -	$ -									
HVAD078		HV Business Annual Demand	$ -		$ 0.0131		$ 0.0082	$ 0.1083	$ -									
HVAD089		HV Business Annual Demand	$1,157.0500		$ -		$ -	$ -	$ -									
HVAD130		HV Business Annual Demand	$ 856.8600		$ -		$ -	$ -	$ -									
HVAD131		HV Business Annual Demand	$ 788.4400		$ -		$ -	$ -	$ -									
HVAD265		HV Business Annual Demand	$ 900.7000		$ -		$ -	$ -	$ -									
HVAD381		HV Business Annual Demand	$ -		$ 0.0131		$ 0.0082	$ 0.1083	$ -									
HVAD439		HV Business Annual Demand	$ 593.6200		$ -		$ -	$ -	$ -									
Major Business																		
Major Business Zone Sub-Station																		
ZSN		Zone Substation kVA	$ -	$ 0.0082				$ 0.1083	$ -									
ZSS025		Zone Substation non-Locational	$ -	$ 0.0082				$ 0.1083	$ -									
ZSS104		Zone Substation non-Locational	$ -	$ 0.0082				$ 0.1083	$ -									
ZSS196		Zone Substation non-Locational	$ 559.9400	$ -				$ -	$ -									
ZSS296		Zone Substation non-Locational	$ -	$ 0.0082				$ 0.1083	$ -									
ZSS766		Zone Substation non-Locational	$ -	$ 0.0082				$ 0.1083	$ -									
ZSS951		Zone Substation non-Locational	$ 928.6000	$ -				$ -	$ -									
Major Business Zone Sub-Station Locational TUoS																		
ZSN021		Zone Substation kVA Locational	$3,487.2000	$ -				$ -	$ -									
ZSN024		Zone Substation kVA Locational	$ 113.9000	$ -				$ 0.1784	$ -									
ZSN035		Zone Substation kVA Locational	$ 168.9000	$ -				$ 0.2204	$ -									
	ZSN228	Zone Substation kVA Locational	$ 150.5000	$ -				$ 0.2139	$ -									
ZSN272		Zone Substation kVA Locational	$ -	$ 0.0082				$ 0.1083	$ -									
ZSN273		Zone Substation kVA Locational	$ -	$ 0.0082				$ 0.1083	$ -									
ZSN307		Zone Substation kVA Locational	$ 308.8800	$ -				$ -	$ -									
ZSN438		Zone Substation kVA Locational	$2,406.0800	$ -				$ -	$ -									
ZSN608		Zone Substation kVA Locational	$ 34.6000	$ -				$ 0.1785	$ -									
ZSN767		Zone Substation kVA Locational	$ 658.2800	$ -				$ -	$ -									
Major Business Sub Transmission																		
STN		Sub transmission kVA	$ -	$ 0.0082				$ 0.1083	$ -									
STR148		Sub Transmission non-Locational	$ -	$ 0.0082				$ 0.1083	$ -									
STR610		Sub Transmission non-Locational	$ -	$ 0.0082				$ 0.1083	$ -									
STR749		Sub Transmission non-Locational	$ -	$ 0.0082				$ 0.1083	$ -									
Major Business Sub Transmission Locational																		
STN018		Sub transmission kVA Locational	$5,469.3000	$ -				$ -	$ -									
STN084		Sub transmission kVA Locational	$1,022.4000	$ -				$ 0.2318	$ -									
STN161		Sub transmission kVA Locational	$6,494.8300	$ -				$ -	$ -									
STN162		Sub transmission kVA Locational	$ 73.2000	$ -				$ 0.1951	$ -									
STN378		Sub transmission kVA Locational	$ 334.3000	$ -				$ 0.2432	$ -									
STN557		Sub transmission kVA Locational	$ 440.0000	$ -				$ 0.2769	$ -									
STN609		Sub transmission kVA Locational	$3,613.1000	$ -				$ -	$ -									
STN788		Sub transmission kVA Locational	$1,768.7000	$ -				$ -	$ -									
STN840		Sub transmission kVA Locational	$ 940.9700	$ -				$ -	$ -									

Table 34: JSO tariff schedule 2020/21

SA Power Networks' Tariffs Price Schedule - Jurisdication Obligation Scheme (JSO)			SUPPLY Supply Rate $/day	ENERGY BASED USAGE Single and ToU consumption $/kWh				ANNUAL kVA DEMAND Actual/Agreed Annual $/kVA/day		MONTHLY kVA DEMAND Actual Monthly Demand $/kVA/day			MONTHLY kW DEMAND Actual Monthly $kW/day		ENERGY BASED USAGE CL Single and TOU consumption billed (MWh) $/kWh			
Code SA	Code CBD only	Name (Residential) Name (Business)		$/kWh Non-TOU	$/kWh Peak	$/kWh Off-Peak	$/kWh Solar Sponge	$/kVA/day Peak Year	$/kVA/day Anytime Year	$/kVA/day Peak 5	$/kVA/day BD Summer 5	$/kVA/day BD Shoulder 12	$kW/day Mth Peak 5	$kW/day Anytime Year	$/kWh Non-TOU	$/kWh Peak	$/kWh Off-Peak	$/kWh Solar Sponge
Residential (Domestic tariffs)																		
Residential Type 5, 6 Meters																		
RSR/RSROPCL	RSR/RSROPCL	Residential Single Rate (Type 6 meter)	$ 0.0411	$ 0.0116											$ 0.0058			
RSR/RSRCL	RSR/RSRCL	Residential Single Rate (Type 4 meter)	$ 0.0411	$ 0.0116												$ 0.0145	$ 0.0058	$ 0.0029
RTOU/RTOUCL	RTOU/RTOUCL	Residential Time of Use	$ 0.0411		$ 0.0145	$ 0.0058	$ 0.0029									$ 0.0145	$ 0.0058	$ 0.0029
RPRO/RPROCL	RPRO/RPROCL	Residential Prosumer	$ 0.0411		$ 0.0087	$ 0.0035	$ 0.0017						$ 0.0642			$ 0.0145	$ 0.0058	$ 0.0029
Small Business <160 MWh																		
Small Business Unmetered Tariffs																		
LVUU	LVUU	Overnight Unmetered	$ -	$ 0.0052														
LVUU24	LVUU24	24 hr Unmetered	$ -	$ 0.0052														
Small Business Type 6 Meters																		
BSR/BSRCL	BSR/BSRCL	Business Single Rate	$ 0.0411	$ 0.0084											$ 0.0083			
B2R/B2RCL	B2R/B2RCL	Business Two Rate	$ 0.0411		$ 0.0095		$ 0.0047								$ 0.0083			
BCL	BCL	Business Controlled Load only	$ -												$ 0.0083			
Small Business Interval Meters (type 4, 5)																		
SBTOU	SBTOU	Small Business Time of Use	$ 0.0411		$ 0.0126	$ 0.0088	$ 0.0047											
SBTOUD	SBTOUD	Small Business Time of Use with Demand	$ 0.0411		$ 0.0101	$ 0.0070	$ 0.0038		$ -									
SBD	SBD	Small Business Actual Monthly Demand (transition)	$ 0.0411	$ 0.0071							$ -	$ -						
Large LV Business >160 MWh pa																		
Large LV Business Type 6 Meter Tariffs																		
LBSR/LBSRCL	LBSR/LBSRCL	Large LV Business Single Rate	$ 0.0411	$ 0.0101											$ 0.0083			
LB2R/LB2RCL	LB2R/LB2RCL	Large LV Business Two Rate	$ 0.0411		$ 0.0114		$ 0.0057								$ 0.0083			
Large LV Business - Interval Meter Tariffs																		
LBAD-SA	LBAD-CBD	Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBMD-SA	LBMD-CBD	Large Business Monthly Peak Demand	$ -		$ 0.0065		$ 0.0041		$ -	$ -								
BD	BD	Large Business Actual Monthly Demand (transition)	$ -	$ 0.0052							$ -	$ -						
LBG-SA	LBG-CBD	LV Business Generation supply	$ -					$ -	$ -									
LBAD201		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD262		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD292		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD296		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD322		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD342		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD517		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD583		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD619		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD711		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD977		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									
LBAD979		Large Business Annual Demand	$ -		$ 0.0065		$ 0.0041	$ -	$ -									

SA Power Networks' Tariffs **Price Schedule - Jurisdiction Obligation Scheme (JSO)**			**SUPPLY**	**ENERGY BASED USAGE**				**ANNUAL kVA DEMAND**		**MONTHLY kVA DEMAND**			**MONTHLY kW DEMAND**		**ENERGY BASED USAGE**			
			Supply Rate	Single and ToU consumption				Actual/Agreed Annual		Actual Monthly Demand			Actual Monthly		CL Single and TOU consumption billed (MWh)			
			$/day	$/kWh	$/kWh	$/kWh	$/kWh	$/kVA/day	$/kVA/day	$/kVA/day	$/kVA/day	$/kVA/day	$kW/day	$kW/day	$/kWh	$/kWh	$/kWh	$/kWh
Code	Code	Name (Residential)																
SA	CBD only	Name (Business)		Non-TOU	Peak	Off-Peak	Solar Sponge	Peak Year	Anytime Year	Peak 5	BD Summer 5	BD Shoulder 12	Mth Peak 5	Anytime Year	Non-TOU	Peak	Off-Peak	Solar Sponge
				Non-TOU	Peak	Shoulder	Off-Peak						Mth Peak 5					
Large HV Business																		
HV Business - Interval Meter Tariffs																		
HVAD-SA	HVAD-CBD	HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
HVMD-SA	HVMD-CBD	HV Business Monthly Peak Demand	$ -		$ 0.0044		$ 0.0028		$ -	$ -								
HBD	HBD	HV Business Actual Monthly Demand (transition)	$ -	$ 0.0036							$ -	$ -						
HVAD500-SA	HVAD500-CBD	HV Business Annual Demand <500kVA	$ -		$ 0.0044		$ 0.0028		$ -									
HVBG-SA	HVBG-CBD	HV Business Generation supply	$ -					$ -	$ -									
HVAD033		HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
HVAD056		HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
HVAD078		HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
HVAD089		HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
HVAD130		HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
HVAD131		HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
HVAD265		HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
HVAD381		HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
HVAD439		HV Business Annual Demand	$ -		$ 0.0044		$ 0.0028	$ -	$ -									
Major Business																		
Major Business Zone Sub-Station																		
ZSN		Zone Substation kVA	$ -	$ 0.0009				$ -	$ -									
ZSS025		Zone Substation non-Locational	$ -	$ 0.0009				$ -	$ -									
ZSS104		Zone Substation non-Locational	$ -	$ 0.0009				$ -	$ -									
ZSS196		Zone Substation non-Locational	$ -	$ 0.0009				$ -	$ -									
ZSS296		Zone Substation non-Locational	$ -	$ 0.0009				$ -	$ -									
ZSS766		Zone Substation non-Locational	$ -	$ 0.0009				$ -	$ -									
ZSS951		Zone Substation non-Locational	$ -	$ 0.0009				$ -	$ -									
Major Business Zone Sub-Station Locational TUoS																		
ZSN021		Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
ZSN024		Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
ZSN035		Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
	ZSN228	Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
ZSN272		Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
ZSN273		Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
ZSN307		Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
ZSN438		Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
ZSN608		Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
ZSN767		Zone Substation kVA Locational	$ -	$ 0.0009				$ -	$ -									
Major Business Sub Transmission																		
STN		Sub transmission kVA	$ -	$ 0.0009				$ -	$ -									
STR148		Sub Transmission non-Locational	$ -	$ 0.0009				$ -	$ -									
STR610		Sub Transmission non-Locational	$ -	$ 0.0009				$ -	$ -									
STR749		Sub Transmission non-Locational	$ -	$ 0.0009				$ -	$ -									
Major Business Sub Transmission Locational																		
STN018		Sub transmission kVA Locational	$ -	$ 0.0009				$ -	$ -									
STN084		Sub transmission kVA Locational	$ -	$ 0.0009				$ -	$ -									
STN161		Sub transmission kVA Locational	$ -	$ 0.0009				$ -	$ -									
STN162		Sub transmission kVA Locational	$ -	$ 0.0009				$ -	$ -									
STN378		Sub transmission kVA Locational	$ -	$ 0.0009				$ -	$ -									
STN557		Sub transmission kVA Locational	$ -	$ 0.0009				$ -	$ -									
STN609		Sub transmission kVA Locational	$ -	$ 0.0009				$ -	$ -									
STN788		Sub transmission kVA Locational	$ -	$ 0.0009				$ -	$ -									
STN840		Sub transmission kVA Locational	$ -	$ 0.0009				$ -	$ -									

Table 35: SCS 2020/21 Pricing and Indicative Pricing from 2021/22 to 2024/25 – Residential and Small Business

Residential and Small Business Indicative Prices		Proposed 2020/21				Indicative 2021/22				Indicative 2022/23				Indicative 2023/24				Indicative 2024/25			
2020/21 to 2024/25, excl GST		DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS
Residential Customers																					
Residential Type 6	Tariff Closed	**Opt-in**				**Tariff Closed**				**Tariff Closed**				**Tariff Closed**				**Tariff Closed**			
Customers/Supply Ch	$ pa	155.02	-	15.00	170.02	165.00	-	15.00	180.00	175.00	-	15.00	190.00	185.00	-	15.00	200.00	195.00	-	15.00	210.00
Usage	$/kWh	0.0923	0.0339	0.0116	0.1378	0.0859	0.0346	0.0115	0.1320	0.0839	0.0356	0.0115	0.1310	0.0819	0.0366	0.0115	0.1300	0.0799	0.0376	0.0115	0.1290
Residential TOU	Default Tariff, Type 4 and 5 meters - Opt-out					-	-	-		-	-	-		-	-	-		-	-	-	
Customers/Supply Ch	$ pa	155.02	-	15.00	170.02	165.00	-	15.00	180.00	175.00	-	15.00	190.00	185.00	-	15.00	200.00	195.00	-	15.00	210.00
Peak Usage	$/kWh	0.1154	0.0424	0.0145	0.1723	0.1073	0.0433	0.0143	0.1650	0.1049	0.0445	0.0144	0.1637	0.1024	0.0458	0.0144	0.1625	0.0999	0.0470	0.0144	0.1613
Off-Pk Usage	$/kWh	0.0462	0.0170	0.0058	0.0690	0.0429	0.0173	0.0057	0.0660	0.0420	0.0178	0.0057	0.0655	0.0410	0.0183	0.0057	0.0650	0.0400	0.0188	0.0057	0.0645
Solar Sponge Usage	$/kWh	0.0231	0.0085	0.0029	0.0345	0.0215	0.0087	0.0029	0.0330	0.0210	0.0089	0.0029	0.0327	0.0205	0.0092	0.0029	0.0325	0.0200	0.0094	0.0029	0.0323
Residential Prosumer	Opt-in Tariff, Type 4 meters					-	-	-		-	-	-		-	-	-		-	-	-	
Customers/Supply Ch	$ pa	155.02	-	15.00	170.02	165.00	-	15.00	180.00	175.00	-	15.00	190.00	185.00	-	15.00	200.00	195.00	-	15.00	210.00
Peak Usage	$/kWh	0.0692	0.0254	0.0087	0.1033	0.0644	0.0260	0.0086	0.0990	0.0629	0.0267	0.0086	0.0982	0.0615	0.0275	0.0086	0.0975	0.0599	0.0282	0.0086	0.0968
Off-Pk Usage	$/kWh	0.0277	0.0102	0.0035	0.0414	0.0258	0.0104	0.0034	0.0396	0.0252	0.0107	0.0034	0.0393	0.0246	0.0110	0.0034	0.0390	0.0240	0.0113	0.0034	0.0387
Solar Sponge Usage	$/kWh	0.0138	0.0051	0.0017	0.0206	0.0129	0.0052	0.0017	0.0198	0.0126	0.0053	0.0017	0.0196	0.0123	0.0055	0.0017	0.0195	0.0120	0.0056	0.0017	0.0194
Summer Demand	1 $/kW/mth	15.50	5.70	1.94	23.14	14.42	5.82	1.92	22.16	14.10	5.98	1.92	22.00	13.76	6.14	1.92	21.82	13.42	6.32	1.92	21.66
OPCL Hot Water Type 5, 6	Tariff Closed					-	-	-		-	-	-		-	-	-		-	-	-	
Usage	$/kWh	0.0462	0.0170	0.0058	0.0690	0.0429	0.0173	0.0057	0.0660	0.0420	0.0178	0.0057	0.0655	0.0410	0.0183	0.0057	0.0650	0.0400	0.0188	0.0057	0.0645
OPCL Hot Water Type 4	Default Tariff, Type 4 meters OPCL					-	-	-		-	-	-		-	-	-		-	-	-	
Peak Usage	$/kWh	0.1154	0.0424	0.0145	0.1723	0.1073	0.0433	0.0143	0.1650	0.1049	0.0445	0.0144	0.1637	0.1024	0.0458	0.0144	0.1625	0.0999	0.0470	0.0144	0.1613
Off-Pk Usage	$/kWh	0.0462	0.0170	0.0058	0.0690	0.0429	0.0173	0.0057	0.0660	0.0420	0.0178	0.0057	0.0655	0.0410	0.0183	0.0057	0.0650	0.0400	0.0188	0.0057	0.0645
Solar Sponge Usage	$/kWh	0.0231	0.0085	0.0029	0.0345	0.0215	0.0087	0.0029	0.0330	0.0210	0.0089	0.0029	0.0327	0.0205	0.0092	0.0029	0.0325	0.0200	0.0094	0.0029	0.0323
Small Business Customers																					
Business Single Type 6	Tariff Closed					**Tariff Closed**				**Tariff Closed**				**Tariff Closed**				**Tariff Closed**			
Customers/Supply Ch	$ pa	169.98	-	15.00	184.98	190.00	-	15.00	205.00	210.00	-	15.00	225.00	230.00	-	15.00	245.00	250.00	-	15.00	265.00
Usage	$/kWh	0.1045	0.0372	0.0084	0.1501	0.0972	0.0378	0.0086	0.1436	0.0990	0.0397	0.0088	0.1475	0.1010	0.0417	0.0090	0.1517	0.1023	0.0438	0.0092	0.1552
Business 2-Rate Type 6	Tariff Closed					**Tariff Closed**				**Tariff Closed**				**Tariff Closed**				**Tariff Closed**			
Customers/Supply Ch	$ pa	169.98	-	15.00	184.98	190.00	-	15.00	205.00	210.00	-	15.00	225.00	230.00	-	15.00	245.00	250.00	-	15.00	265.00
Peak usage	$/kWh	0.1178	0.0420	0.0095	0.1693	0.1096	0.0426	0.0097	0.1619	0.1116	0.0448	0.0099	0.1663	0.1139	0.0470	0.0101	0.1710	0.1153	0.0493	0.0104	0.1750
Off-Pk Usage	$/kWh	0.0589	0.0210	0.0047	0.0846	0.0548	0.0213	0.0048	0.0809	0.0558	0.0224	0.0049	0.0831	0.0569	0.0235	0.0051	0.0855	0.0576	0.0247	0.0052	0.0875
Business TOU Type 4, 5	Default Tariff <120 kVA demand (incl all Whole Current meters), Type 4 and 5 meters																				
Customers/Supply Ch	$ pa	169.98	-	15.00	184.98	190.00	-	15.00	205.00	210.00	-	15.00	225.00	230.00	-	15.00	245.00	250.00	-	15.00	265.00
Peak usage	$/kWh	0.1568	0.0559	0.0126	0.2253	0.1459	0.0567	0.0129	0.2154	0.1486	0.0596	0.0132	0.2213	0.1515	0.0625	0.0135	0.2275	0.1534	0.0656	0.0138	0.2329
Shoulder Usage	$/kWh	0.1091	0.0389	0.0088	0.1568	0.1015	0.0395	0.0089	0.1499	0.1034	0.0415	0.0092	0.1540	0.1055	0.0435	0.0094	0.1584	0.1068	0.0457	0.0096	0.1621
Off-Peak Usage	$/kWh	0.0589	0.0210	0.0047	0.0846	0.0548	0.0213	0.0048	0.0809	0.0558	0.0224	0.0049	0.0831	0.0569	0.0235	0.0051	0.0855	0.0576	0.0247	0.0052	0.0875
Business TOU+MD >120 kVA	Default Tariff >120 kVA demand, type 4 and 5 meters, Opt-in <120 kVA																				
Customers/Supply Ch	$ pa	169.98	-	15.00	184.98	190.00	-	15.00	205.00	210.00	-	15.00	225.00	230.00	-	15.00	245.00	250.00	-	15.00	265.00
Anytime Max Demand	3 $/kVA pa	29.71	-	-	29.71	27.60	-	-	27.60	28.10	-	-	28.10	28.70	-	-	28.70	29.10	-	-	29.10
Peak usage	$/kWh	0.1255	0.0447	0.0101	0.1803	0.1167	0.0454	0.0103	0.1723	0.1189	0.0477	0.0105	0.1771	0.1212	0.0500	0.0108	0.1820	0.1227	0.0525	0.0110	0.1863
Shoulder Usage	$/kWh	0.0873	0.0311	0.0070	0.1254	0.0812	0.0316	0.0072	0.1199	0.0827	0.0332	0.0073	0.1232	0.0844	0.0348	0.0075	0.1267	0.0854	0.0366	0.0077	0.1297
Off-Peak Usage	$/kWh	0.0471	0.0168	0.0038	0.0677	0.0438	0.0170	0.0039	0.0647	0.0447	0.0179	0.0040	0.0665	0.0455	0.0188	0.0040	0.0684	0.0461	0.0197	0.0041	0.0700
Small Business Actual Demand	Tariff Closed																				
Customers/Supply Ch	$ pa	999.99	-	15.00	1,014.99	2,000.00	-	15.00	2,015.00	3,000.00	-	15.00	3,015.00	4,000.00	-	15.00	4,015.00	5,000.00	-	15.00	5,015.00
Peak Actual Demand	1 $/kVA/mth	9.34	2.62	-	11.97	9.34	2.62	-	11.97	9.34	2.62	-	11.97	9.34	2.62	-	11.97	9.34	2.62	-	11.97
Shoulder Actual Demand	2 $/kVA/mth	4.66	1.30	-	5.96	4.66	1.31	-	5.96	4.66	1.31	-	5.96	4.66	1.31	-	5.96	4.66	1.31	-	5.96
Usage	$/kWh	0.0515	0.0203	0.0071	0.0789	0.0587	0.0231	0.0071	0.0889	0.0659	0.0259	0.0071	0.0989	0.0731	0.0287	0.0071	0.1089	0.0803	0.0315	0.0071	0.1189
Small Business OPCL Type 5, 6	Tariff Closed. Not available with type 4 meters																				
Usage	$/kWh	0.0462	0.0170	0.0058	0.0690	0.0429	0.0173	0.0086	0.0688	0.0420	0.0178	0.0088	0.0685	0.0410	0.0183	0.0090	0.0683	0.0400	0.0188	0.0092	0.0680
Business Unmetered Supply	Default Tariff Type 7 meters																				
Usage	$/kWh	0.0680	0.0252	0.0052	0.0984	0.0636	0.0260	0.0056	0.0952	0.0648	0.0273	0.0057	0.0978	0.0661	0.0286	0.0059	0.1006	0.0669	0.0301	0.0060	0.1030

Notes on Demand Elements

1 highest daily demand each of five months Nov-March charged per month
2 highest daily demand each of twelve months July-June charged per month
3 12 month rolling reset charged proportionally each month
4 agreed demand charged proportionally each month
5 Peak demand not applicable to backup, incurred by principal supply

Table 36: SCS 2020/21 Pricing and Indicative Pricing from 2021/22 to 2024/25 – Large LV Business

Large LV Business Indicative Prices 2020/21 and 2024/25, excl GST		Proposed 2020/21				Indicative 2021/22				Indicative 2022/23				Indicative 2023/24				Indicative 2024/25			
		DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS
Large LV Business Customers																					
Large Bus Annual Demand	Default Tariff, Same prices apply to CBD and Rest of SA, Peak demand period differs																				
Customers/Supply Ch	$ pa	2,500	-	-	2,500	2,329	-	-	2,329	2,385	-	-	2,385	2,444	-	-	2,444	2,501	-	-	2,501
Peak Annual Max Demand	3 $/kVA	52.93	39.53	-	92.45	49.30	40.70	-	90.00	50.50	42.50	-	93.00	51.70	44.50	-	96.20	52.90	46.50	-	99.40
Anytime Actual Demand	3 $/kVA	37.81	-	-	37.81	35.20	-	-	35.20	36.00	-	-	36.00	36.90	-	-	36.90	37.80	-	-	37.80
Peak Usage	$/kWh	0.0421	0.0176	0.0065	0.0662	0.0392	0.0181	0.0066	0.0639	0.0401	0.0189	0.0067	0.0658	0.0411	0.0198	0.0069	0.0678	0.0421	0.0207	0.0070	0.0698
Off-Peak Usage	$/kWh	0.0263	0.0110	0.0041	0.0414	0.0245	0.0113	0.0041	0.0399	0.0251	0.0118	0.0042	0.0411	0.0257	0.0124	0.0043	0.0424	0.0263	0.0130	0.0044	0.0436
Large Bus Monthly Demand	Opt-In Tariff, Same prices apply to CBD and Rest of SA, Peak demand period differs																				
Customers/Supply Ch	$ pa	2,500	-	-	2,500	2,329	-	-	2,329	2,385	-	-	2,385	2,444	-	-	2,444	2,501	-	-	2,501
Peak Actual Monthly Demand	1 $/kVA/mth	15.88	11.86	-	27.73	14.79	12.21	-	27.00	15.15	12.75	-	27.90	15.51	13.35	-	28.86	15.87	13.95	-	29.82
Anytime Actual Demand	3 $/kVA pa	37.81	-	-	37.81	35.20	-	-	35.20	36.00	-	-	36.00	36.90	-	-	36.90	37.80	-	-	37.80
Peak Usage	$/kVA pa	0.0421	0.0176	0.0065	0.0662	0.0392	0.0181	0.0066	0.0639	0.0401	0.0189	0.0067	0.0658	0.0411	0.0198	0.0069	0.0678	0.0421	0.0207	0.0070	0.0698
Off-Peak Usage	$/kWh	0.0263	0.0110	0.0041	0.0414	0.0245	0.0113	0.0041	0.0399	0.0251	0.0118	0.0042	0.0411	0.0257	0.0124	0.0043	0.0424	0.0263	0.0130	0.0044	0.0436
Large LV Bus Actual Demand	Tariff Closed																				
Customers/Supply Ch	$ pa	1,000	-	-	1,000	2,000.00	-	-	2,000.00	3,000.00	-	-	3,000.00	4,000.00	-	-	4,000.00	5,000.00	-	-	5,000.00
Peak Actual Demand	1 $/kVA/mth pa	9.34	2.62	-	11.97	9.34	2.62	-	11.97	9.34	2.62	-	11.97	9.34	2.62	-	11.97	9.34	2.62	-	11.97
Shoulder Actual Demand	2 $/kVA/mth pa	4.66	1.30	-	5.96	4.66	1.31	-	5.96	4.66	1.31	-	5.96	4.66	1.31	-	5.96	4.66	1.31	-	5.96
Usage	$/kWh	0.0515	0.0203	0.0052	0.0770	0.0587	0.0231	0.0052	0.0870	0.0659	0.0259	0.0052	0.0970	0.0731	0.0287	0.0052	0.1070	0.0803	0.0315	0.0052	0.1170
Large Bus Trans Type 6 Single	Tariff Closed																				
Customers/Supply Ch	$ pa	169.98	-	15.00	184.98	190.00	-	-	190.00	210.00	-	-	210.00	230.00	-	-	230.00	250.00	-	-	250.00
Usage	$/kWh	0.1255	0.0447	0.0101	0.1803	0.1167	0.0454	0.0058	0.1678	0.1189	0.0477	0.0059	0.1724	0.1212	0.0500	0.0060	0.1773	0.1227	0.0525	0.0061	0.1814
Large Bus Trans Type 6 2-rate	Tariff Closed																				
Customers/Supply Ch	$ pa	169.98	-	15.00	184.98	190.00	-	-	190.00	210.00	-	-	210.00	230.00	-	-	230.00	250.00	-	-	250.00
Peak usage	$/kWh	0.1414	0.0504	0.0114	0.2032	0.1315	0.0511	0.0066	0.1892	0.1340	0.0537	0.0067	0.1944	0.1366	0.0564	0.0069	0.1999	0.1383	0.0592	0.0070	0.2045
Off-Pk Usage	$/kWh	0.0707	0.0252	0.0057	0.1016	0.0658	0.0256	0.0041	0.0954	0.0670	0.0269	0.0042	0.0980	0.0683	0.0282	0.0043	0.1008	0.0692	0.0296	0.0044	0.1031
Large Bus Generation Supplies	Special Tariff																				
Customers/Supply Ch	$ pa	2,500	-	-	2,500	2328.9714	-	-	2,329	2384.9635	-	-	2,385	2443.9913	-	-	2,444	2500.5987	-	-	2,501
Peak Annual Max Demand	4 $/kVA pa	52.93	39.53	-	92.45	49.3	40.70	-	90.00	50.5	42.50	-	93.00	51.7	44.50	-	96.20	52.9	46.50	-	99.40
Anytime Actual Demand	4 $/kVA pa	37.81	-	-	37.81	35.2	-	-	35.20	36	-	-	36.00	36.9	-	-	36.90	37.8	-	-	37.80
Peak Usage	$/kWh				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Off-Peak Usage	$/kWh				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes on Demand Elements

1 highest daily demand each of five months Nov-March charged per month

2 highest daily demand each of twelve months July-June charged per month

3 12 month rolling reset charged proportionally each month

4 agreed demand charged proportionally each month

5 Peak demand not applicable to backup, incurred by principal supply

Table 37: SCS 2020/21 Pricing and Indicative Pricing from 2021/22 to 2024/25 – HV and Major Business

HV and Major Business Indicative Prices		Proposed 2020/21				Indicative 2021/22				Indicative 2022/23				Indicative 2023/24				Indicative 2024/25			
2020/21 and 2024/25, excl GST		DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS	DUoS	TUoS	PV FiT	NUoS
HV Business Customers																					
HV Business Annual Demand	Default Tariff, Same prices apply to CBD and Rest of SA, Peak demand period differs																				
Customers/Supply Ch	$ pa	15,000	-	-	15,000	12,983	-	-	12,983	13,263	-	-	13,263	13,553	-	-	13,553	13,851	-	-	13,851
Peak Annual Max Demand	3 $/kVA	38.87	39.53	-	78.40	33.70	38.80	-	72.50	34.40	40.50	-	74.90	35.20	42.40	-	77.60	36.00	44.40	-	80.40
Anytime Actual Demand	3 $/kVA	37.81	-	-	37.81	32.70	-	-	32.70	33.40	-	-	33.40	34.10	-	-	34.10	34.90	-	-	34.90
Peak Usage	$/kWh	0.0239	0.0131	0.0044	0.0414	0.0208	0.0129	0.0043	0.0380	0.0212	0.0134	0.0044	0.0391	0.0217	0.0141	0.0045	0.0403	0.0222	0.0147	0.0046	0.0415
Off-Peak Usage	$/kWh	0.0149	0.0082	0.0028	0.0259	0.0130	0.0080	0.0027	0.0237	0.0133	0.0084	0.0028	0.0244	0.0136	0.0088	0.0028	0.0252	0.0139	0.0092	0.0029	0.0259
HV Business Monthly Demand	Opt-In Tariff, Same prices apply to CBD and Rest of SA, Peak demand period differs																				
Customers/Supply Ch	$ pa	15,000	-	-	15,000	12,983	-	-	12,983	13,263	-	-	13,263	13,553	-	-	13,553	13,851	-	-	13,851
Peak Actual Monthly Demand	1 $/kVA/mth	11.66	11.86	-	23.52	10.11	11.64	-	21.75	10.32	12.15	-	22.47	10.56	12.72	-	23.28	10.80	13.32	-	24.12
Anytime Actual Demand	3 $/kVA pa	37.81	-	-	37.81	32.70	-	-	32.70	33.40	-	-	33.40	34.10	-	-	34.10	34.90	-	-	34.90
Peak Usage	$/kVA pa	0.0239	0.0131	0.0044	0.0414	0.0208	0.0129	0.0043	0.0380	0.0212	0.0134	0.0044	0.0391	0.0217	0.0141	0.0045	0.0403	0.0222	0.0147	0.0046	0.0415
Off-Peak Usage	$/kWh	0.0149	0.0082	0.0028	0.0259	0.0130	0.0080	0.0027	0.0237	0.0133	0.0084	0.0028	0.0244	0.0136	0.0088	0.0028	0.0252	0.0139	0.0092	0.0029	0.0259
HV Business Annual <500	Opt-In Tariff, Same prices apply to CBD and Rest of SA, Peak demand period differs																				
Customers/Supply Ch	$ pa	2,500	-	-	2,500	2,329	-	-	2,329	2,385	-	-	2,385	2,444	-	-	2,444	2,501	-	-	2,501
Peak Annual Max Demand	1 $/kVA pa	52.93	39.53	-	92.45	49.30	61.05	-	110.35	50.50	63.75	-	114.25	51.70	66.75	-	118.45	52.90	69.75	-	122.65
Anytime Actual Demand	3 $/kVA pa	37.81	-	-	37.81	35.20	-	-	35.20	36.00	-	-	36.00	36.90	-	-	36.90	37.80	-	-	37.80
Peak Usage	$/kWh	0.0421	0.0176	0.0044	0.0641	0.0392	0.0181	0.0043	0.0617	0.0401	0.0189	0.0044	0.0635	0.0411	0.0198	0.0045	0.0655	0.0421	0.0207	0.0046	0.0674
Off-Peak Usage	$/kWh	0.0263	0.0110	0.0028	0.0401	0.0245	0.0113	0.0027	0.0385	0.0251	0.0118	0.0028	0.0397	0.0257	0.0124	0.0028	0.0409	0.0263	0.0130	0.0029	0.0421
HV Business Actual Demand	Tariff Closed																				
Customers/Supply Ch	$ pa	1,000	-	-	1,000	2,000.00	-	-	2,000.00	3,000.00	-	-	3,000.00	4,000.00	-	-	4,000.00	5,000.00	-	-	5,000.00
Peak Actual Demand	1 $/kVA/mth pa	9.34	2.62	-	11.97	9.34	2.62	-	11.97	9.34	2.62	-	11.97	9.34	2.62	-	11.97	9.34	2.62	-	11.97
Shoulder Actual Demand	2 $/kVA/mth pa	4.66	1.30	-	5.96	4.66	1.31	-	5.96	4.66	1.31	-	5.96	4.66	1.31	-	5.96	4.66	1.31	-	5.96
Usage	$/kWh	0.0515	0.0203	0.0036	0.0754	0.0587	0.0231	0.0036	0.0854	0.0659	0.0259	0.0036	0.0954	0.0731	0.0287	0.0036	0.1054	0.0803	0.0315	0.0036	0.1154
HV Bus Generation Supplies	Special Tariff																				
Customers/Supply Ch	$ pa	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-
Peak Annual Max Demand	4 $/kVA pa	-	-	-	-	33.7	38.80	-	72.50	34.4	40.50	-	74.90	35.2	42.40	-	77.60	36	44.40	-	80.40
Anytime Actual Demand	4 $/kVA pa	-	-	-	-	32.7	-	-	32.70	33.4	-	-	33.40	34.1	-	-	34.10	34.9	-	-	34.90
Peak Usage	$/kWh				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Off-Peak Usage	$/kWh				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Major Business Customers																					
Zone S-Stn Non-Loc	Tariff amended for individual Customers, eg TUoS and some DUoS fixed charges																				
Customers/Supply Ch	$ pa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peak Agreed Demand	4 $/kVA pa	15.11	39.53	-	54.64	14.20	38.80	-	53.00	14.20	40.50	-	54.70	14.20	42.40	-	56.60	14.20	44.40	-	58.60
Anytime Agreed Demand	4 $/kVA pa	27.01	-	-	27.01	25.30	-	-	25.30	25.40	-	-	25.40	25.50	-	-	25.50	25.60	-	-	25.60
Usage	$/kWh	0.0044	0.0082	0.0009	0.0135	0.0041	0.0105	0.0008	0.0154	0.0041	0.0109	0.0008	0.0159	0.0041	0.0114	0.0008	0.0164	0.0041	0.0120	0.0008	0.0169
Sub-Trans Non-Loc	Tariff amended for individual Customers, eg TUoS and some DUoS fixed charges																				
Customers/Supply Ch	$ pa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peak Agreed Demand	4 $/kVA pa	-	39.53	-	39.53	-	38.80	-	38.80	-	40.50	-	40.50	-	42.40	-	42.40	-	44.40	-	44.40
Anytime Agreed Demand	4 $/kVA pa	15.11	-	-	15.11	14.20	-	-	14.20	14.20	-	-	14.20	14.20	-	-	14.20	14.20	-	-	14.20
Usage	$/kWh	0.0016	0.0082	0.0009	0.0107	0.0015	0.0105	0.0008	0.0128	0.0015	0.0109	0.0008	0.0132	0.0015	0.0114	0.0008	0.0138	0.0015	0.0120	0.0008	0.0143

Notes on Demand Elements

1 highest daily demand each of five months Nov-March charged per month

2 highest daily demand each of twelve months July-June charged per month

3 12 month rolling reset charged proportionally each month

4 agreed demand charged proportionally each month

5 Peak demand not applicable to backup, incurred by principal supply

Appendix C: Alternative control services price schedules

C.1 Ancillary Network Services price schedule

The prices for Ancillary Network Services for 2020/21 and indicative prices for 2021/22 to 2024/25 are provided in Table 38. All prices listed are exclusive of GST.

Table 38: Prices for Ancillary Network Services ($nominal)

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
Network Ancillary Services – customer and third-party initiated services related to common distribution services									
Access permits, oversight and facilitation	Standard Charge Network Access Permit (8am - 3pm)	Organisation of switching requirements and field work to allow 3rd party access to de-energised assets or to work in close proximity of SA Power Networks assets, where work is completed between 8am and 3pm. This fee includes the administration associated with arranging the permit, and field work to issue the permit and relinquish the permit once work is completed.	ACS450	NDS450	$1,123.61	$1,149.34	$1,175.66	$1,202.59	$1,230.12
	Standard NAP Extended daytime hours (6am - 6pm) (Weekdays)	Organisation of switching requirements and field work to allow 3rd party access to de-energised assets or to work in close proximity of SA Power Networks assets, where the issuing of the permit or relinquishing of the permit is required to be completed between the hours of 6am and 6pm on weekdays.	ACS451	NDS451	$2,042.74	$2,089.51	$2,137.35	$2,186.31	$2,236.36
	Emergency NAP / Weekends / night shift	Organisation of switching requirements and field work to allow 3rd party access to de-energised assets or to work in close proximity of SA Power Networks assets, where the issuing of the permit or relinquishing of the permit is required to be completed outside of business hours or in an emergency.	ACS452	NDS452	$2,875.93	$2,941.78	$3,009.14	$3,078.07	$3,148.53

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
	Network access management fee - cancellation	Cancellation of network access permit within 2 full business days of confirmed date.	ACS429	NDS429	$523.19	$535.17	$547.43	$559.97	$572.79
	Network access request - complex	Organisation of switching requirements and field work to allow 3rd party access to de-energised assets.	ACS380		Quoted	Quoted	Quoted	Quoted	Quoted
Network safety services	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.	ACS390		Quoted	Quoted	Quoted	Quoted	Quoted
	Temporary line covering (eg tiger tails)	Temporary covering of LV mains, eg to erect and remove 'Tiger Tails' on LV mains.	ACS371	NDS371	$859.30	$878.97	$899.10	$919.69	$940.75
Inspection and auditing services	Site Inspection	Site inspection to determine nature of the requested connection service < 2 hrs.	ACS398	NDS398	$349.16	$357.15	$365.33	$373.70	$382.25
	Re-inspection for compliance	Re-inspection of an asset issued with a non-compliance notice (including travel time) – up to 3 hours normal time.	ACS345	NDS345	$417.68	$427.25	$437.03	$447.04	$457.28
	Re-inspection for compliance > 3hrs	Re-inspection of an asset issued with a non-compliance notice – hourly rate after 3 hours normal time.	ACS346	NDS346	$139.23	$142.42	$145.68	$149.01	$152.43
	Re-inspection for compliance – after hours	Re-inspection of an asset issued with a non-compliance notice – hourly rate after hours.	ACS347	NDS347	$277.37	$283.72	$290.22	$296.86	$303.66
	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.	ACS344		Quoted	Quoted	Quoted	Quoted	Quoted
	Specification re-compliance	Resubmission of a design which previously did not satisfy the SA Power Networks spec.	ACS343		Quoted	Quoted	Quoted	Quoted	Quoted

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
Security Lights	Security Lighting - HID <=400W	Annual fee for floodlight capital cost recovery and maintenance of installed security lights up to 400W (non-LED). This fee also includes removal of the light, installation costs are recovered as a quoted fee upon request.	ACS453	NDS453	$176.21	$180.24	$184.37	$188.60	$192.91
	Security Lighting - HID >400W	Annual fee for floodlight capital cost recovery and maintenance of installed security lights greater than 400W (non-LED). This fee also includes removal of the light, installation costs are recovered as a quoted fee upon request.	ACS454	NDS454	$315.44	$322.66	$330.05	$337.61	$345.34
	Security Lighting - LED <=200W	Annual fee for floodlight capital cost recovery and maintenance of installed LED security lights up to 200W. This fee also includes removal of the light, installation costs are recovered as a quoted fee upon request.	ACS455	NDS455	$221.89	$226.98	$232.17	$237.49	$242.93
	Security Lighting - LED >200W	Annual fee for floodlight capital cost recovery and maintenance of installed LED security lights greater than 200W. This fee also includes removal of the light, installation costs are recovered as a quoted fee upon request.	ACS456	NDS456	$412.25	$421.68	$431.34	$441.22	$451.32
	Security light installation / upgrade	Customer requested installation of new security lighting or upgrade of existing security lighting	ACS412		Quoted	Quoted	Quoted	Quoted	Quoted
Customer requested provision of electricity network data & asset location services	Location of underground mains – provision of plans from office	Location of underground mains at the request of a customer – provision of plans from the office (no site visit required).	ACS373	NDS373	$139.23	$142.42	$145.68	$149.01	$152.43
	Location of underground mains at the request of a customer	Location of underground mains at the request of a customer – site visit required	ACS374		Quoted	Quoted	Quoted	Quoted	Quoted

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
	Asset information request	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 < 1 hours work per request.	ACS377	NDS377	$174.03	$178.02	$182.10	$186.27	$190.53
	Asset info request - Ground level transformers (site visit to open and visually see equipment)	Confirmation of available equipment in ground level transformers where the door needs to be opened by a SA Power Networks employee.	ACS379	NDS379	$349.16	$357.15	$365.33	$373.70	$382.25
	Swing & Sag Calculations up to 11kV	Project management and survey work undertaken to prepare and issue a swing and sag calculation letter for the customer – up to 11kV.	ACS419	NDS419	$2,096.03	$2,144.02	$2,193.12	$2,243.36	$2,294.71
	Swing & Sag Calculations > 11kV	Project management and survey work undertaken to prepare and issue a swing and sag calculation letter for the customer - > 11KV.	ACS428	NDS428	$2,794.35	$2,858.33	$2,923.78	$2,990.75	$3,059.22
	Other data requests	Any other customer requested provision of electricity network information	ACS422		Quoted	Quoted	Quoted	Quoted	Quoted
Retailer Requested Metering services—activities relating to the measurement of electricity supplied to and from customers through the distribution system (excluding network meters)									
Auxiliary metering services (type 5 to 7 metering installations)	Meter test – single phase	Customer requested meter test where SA Power Networks is the Metering Coordinator (MC) and when a test is required due to high account or a subsequent incorrect functioning solar installation.	ACS356	NDS356	$126.18	$129.06	$132.02	$135.04	$138.14
	Meter test – additional single-phase meter	Testing of each additional single-phase meter in conjunction with single phase meter test.	ACS357	NDS357	$0.00	$0.00	$0.00	$0.00	$0.00
	Meter test – three-phase	Customer requested meter test where SA Power Networks is the Metering Coordinator (MC) and when a test is required due to high account or a subsequent incorrect functioning solar installation.	ACS358	NDS358	$126.18	$129.06	$132.02	$135.04	$138.14

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
	Meter test – additional three phase meter	Testing of each additional three-phase meter in conjunction with single phase meter test.	ACS359	NDS359	$0.00	$0.00	$0.00	$0.00	$0.00
	Priority or out of hour appointment – less than 3 hours	Provision of a priority appointment at the customer's request. Work will be undertaken out of hours or during normal hours in which case another job will be done after hours to accommodate the requested date. Charge per person.	ACS401	NDS401	$215.37	$220.30	$225.34	$230.51	$235.78
	Charge for Meter Test (where an appointment has been requested by the customer's retailer) where SAPN is MC	This charge applies when an appointment is requested for a retailer-requested meter test. Charge is the combination of ACS356 and ACS401, where ACS401 reflects only the incremental costs associated with facilitating an appointment.	ACS460		$341.54	$349.36	$357.36	$365.55	$373.92
	Meter inspection fee	Request to complete physical inspection where SA Power Networks is the Metering Coordinator (MC) due to suspected meter tampering, equipment damage, or requested by the customer or their retailer.	ACS364	NDS364	$56.56	$57.86	$59.18	$60.54	$61.92
	Meter inspection fee – each additional meter	Request to complete physical inspection where SA Power Networks is the Metering Coordinator (MC) - each additional meter.	ACS365	NDS365	$0.00	$0.00	$0.00	$0.00	$0.00
	Meter Inspection Fee (where an appointment has been requested by the customer's retailer)	This charge applies when an appointment is requested for a retailer-requested meter inspection. Charge is the combination of ACS364 and ACS401, where ACS401 reflects only the incremental costs associated with facilitating an appointment.	ACS461		$271.93	$278.16	$284.53	$291.04	$297.71
	Special meter read visit – normal hours	A special meter reading visit occurs when a customer requests a check read or special read at premises.	ACS386	NDS386	$15.23	$15.58	$15.93	$16.30	$16.67

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
	Special meter read visit – after hours	A special meter reading visit occurs when a customer requests a check read or special read at premises (where after-hours visit is requested).	ACS387	NDS387	$102.25	$104.59	$106.98	$109.43	$111.94
	Special Read / Disco / Reco - Cancellation	Special meter reading, disconnection, or reconnection visit which is subsequently cancelled. This fee will be charged for all service orders cancelled prior to the work being completed.	ACS388	NDS388	$11.96	$12.24	$12.52	$12.81	$13.10
	Meter read – subsequent attempt	Subsequent attempts to read a meter after reasonable attempt has been made but has been unsuccessful due to access difficulties.	ACS389	NDS389	$15.23	$15.58	$15.93	$16.30	$16.67
	Meter reconfiguration	On-site reconfiguration of meters in response to customer requests such as changes to tariffs, two-rate meter settings, time clocks	ACS308		Quoted	Quoted	Quoted	Quoted	Quoted
	Charge for meter removal	Includes both single and multiphase meters e.g. removal of redundant Controlled Load tariff meter (not permanent removal of supply or NMI)	ACS304		Quoted	Quoted	Quoted	Quoted	Quoted
	Other metering services	All other metering services requested by the Retailer that are not listed above	ACS462		Quoted	Quoted	Quoted	Quoted	Quoted
Retailer requested connection services—services relating to the electrical or physical connection of a customer to the network									
Removal of Service	Permanent abolishment of LV service	Request for permanent abolishment of the LV supply provision (this does not include the removal of additional distribution assets ie poles and transformers)	ACS301	NDS301	$643.93	$658.67	$673.76	$689.19	$704.97
Temporary disconnection & reconnection services	Retailer fee - disconnection & reconnection – Disconnection at meter	Retailer requested disconnection of supply.	ACS403	NDS403	$45.68	$46.73	$47.80	$48.90	$50.01
	Retailer fee - disconnection & reconnection – reconnection at meter	Retailer requested reconnection of supply.	ACS404	NDS404	$45.68	$46.73	$47.80	$48.90	$50.01

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
	Retailer fee - disconnection & reconnection – reconnect meter after hours	Retailer requested reconnection of supply after hours.	ACS405	NDS405	$102.25	$104.59	$106.98	$109.43	$111.94
	Retailer fee - disconnection & reconnection O/head - truck attendance	Retailer requested disconnection and reconnection of supply where a line truck is required (eg for a pole top disconnection).	ACS430	NDS430	$910.42	$931.27	$952.59	$974.41	$996.72
	Retailer fee - Temporary isolation of customer's LV supply >100Amp	Retailer fee for disconnecting and reconnecting a customer, service >100Amp, requiring more complex solution and specialist connect mechanics	ACS432		Quoted	Quoted	Quoted	Quoted	Quoted
	Third party requested outage for purpose of replacing a meter	At the request of a retailer provide notification to affected customers and facilitate the disconnection & reconnection of customer metering installations where a retailer planned interruption cannot be conducted.	ACS457	NDS457	$351.33	$359.38	$367.61	$376.03	$384.64
Retailer Bypass Request	Retailer Initiated Alteration Bypass Fee	Bypass of metering installation following an Alteration of Service within metropolitan area	ACS458		Quoted	Quoted	Quoted	Quoted	Quoted
	Retailer Initiated Alteration Bypass Fee	Bypass of metering installation following an Alteration of Service within rural area	ACS459		Quoted	Quoted	Quoted	Quoted	Quoted
Connection services—services relating to the electrical or physical connection of a customer to the network									
Temporary supply services	Temporary supply - overhead or underground on existing pole	Provision of a temporary over to under service or overhead service on an existing Stobie pole that is located up to 25 metres from the customer's property boundary on the mains side of the street.	ACS141	BCS141	$1,195.40	$1,222.77	$1,250.77	$1,279.42	$1,308.71
	Temporary supply - Existing pit/pillar	Provision of a temporary service from an existing low voltage service pit/pillar that is located up to 25 metres from the property boundary.	ACS145	BCS145	$478.60	$489.55	$500.76	$512.23	$523.96

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
	Temporary supply - New pole required	Provision of 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 or provision of a temporary single or multi-phase overhead service from a new low voltage pole to a structure provided by the customer ie customer installs a temporary pole and meter box, in lieu of an over to under service and where multi phases is available.	ACS104		Quoted	Quoted	Quoted	Quoted	Quoted
	Temporary supply - New pit/pillar required	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. A customer may elect to trench to a pit which is greater than 25 metres, but no further than 100 metres from their property boundary, and on the same side of the street. The customer will be responsible for all costs associated with these works and obtaining all relevant authorities' approvals.	ACS143		Quoted	Quoted	Quoted	Quoted	Quoted
Temporary disconnection & reconnection services	Temporary disconnect and reconnect - customer requested	Requests for a temporary disconnection and reconnection, requiring a line truck attendance.	ACS302	NDS302	$907.16	$927.93	$949.18	$970.92	$993.15
		Requests for a temporary disconnection and reconnection, requiring a single person crew attendance.	ACS330	NDS330	$290.42	$297.07	$303.87	$310.83	$317.95
		Temporary isolation of customer's LV supply >100Amp capacity	ACS303		Quoted	Quoted	Quoted	Quoted	Quoted
Contestable Specification fees	Connections specification fee - $0-$200k project	Work undertaken in preparing and issuing the specification including one site visit for customer extension works. Project value $0 - $200k based on contestable value of project.	ACS340	NDS340	$2,618.14	$2,678.08	$2,739.41	$2,802.16	$2,866.31

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
	Connections specification fee - >$200k project	Work undertaken in preparing and issuing the specification including one site visit for customer extension works. Project value greater than $200k based on contestable value of project.	ACS341	NDS341	$4,627.15	$4,733.10	$4,841.48	$4,952.38	$5,065.76
Miscellaneous customer charges	Excess kVAr incentive	The Excess kVAr incentive charge 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 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.	ACS366	NDS366	$53.30	$54.52	$55.77	$57.04	$58.35
	Priority or out of hour appointment – less than 3 hours	Provision of a priority appointment at the customer's request. Work will be undertaken out of hours or during normal hours in which case another job will be done after hours to accommodate the requested date. Charge per person.	ACS401	NDS401	$215.37	$220.30	$225.34	$230.51	$235.78
	Wasted Visit – Scheduled Customer Connection Appointment	Where SA Power Networks was unable to complete the scheduled connection or metering works due to the customer's installation not being ready or compliant.	ACS396		Quoted	Quoted	Quoted	Quoted	Quoted
	Solar installation enquiry – single phase	Customer requests SA Power Networks to attend a single-phase solar installation which is not functioning correctly, and it is determined by the SA Power Networks' personnel that the problem is a result of the customer's solar installation being incorrectly set / malfunctioning.	ACS360	NDS360	$126.18	$129.06	$132.02	$135.04	$138.14

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
	Solar installation enquiry – three-phase	Customer requests SA Power Networks to attend a multi-phase solar installation which is not functioning correctly, and it is determined by the SA Power Networks' personnel that the problem is a result of the customer's solar installation being incorrectly set / malfunctioning.	ACS362	NDS362	$126.18	$129.06	$132.02	$135.04	$138.14
Enhanced connection services	Alter/relocate/replace of overhead/underground service	Customer request for relocation / alteration or replacement of an existing overhead or underground service.	ACS106	BCS106	$1,322.67	$1,352.95	$1,383.93	$1,415.63	$1,448.04
	Multiphase upgrade - O/under or O/head	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.	ACS109	BCS109	$1,361.82	$1,393.00	$1,424.90	$1,457.54	$1,490.91
	Multiphase upgrade - existing service pit/pillar	Connection provided from an existing suitable low voltage service pit / pillar and the requested number of phases are available at the service point.	ACS110	BCS110	$555.82	$568.55	$581.57	$594.89	$608.51
	Additional service for a duplex split (existing metered strata title split into two Torrens titles, no additional load)	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 customer's property boundary on the same side of the street and the requested number of phases are available.	ACS111	BCS111	$1,340.07	$1,370.75	$1,402.14	$1,434.26	$1,467.09
	Embedded generation firm offer - >30kW-200kW	Work undertaken for the network analysis, preparing and issuing an offer letter, contract and associated commissioning for the customer's embedded generation system.	ACS427	NDS427	$3,942.98	$4,033.26	$4,125.62	$4,220.12	$4,316.73
	Embedded generation services	All other embedded generation services, including for generation >200kW, miscellaneous services associated with embedded generation connections	ACS463		Quoted	Quoted	Quoted	Quoted	Quoted

					Initial Price	Indicative Prices			
Service Group	Service	Service Description	ACS Fee Code	Proposal Fee code	2020/21	2021/22	2022/23	2023/24	2024/25
	Asset relocation services	All requests for relocation of assets on the electricity distribution network, including relocation of poles, relocation or adjusting the height of pit/pillars, relocating or underground conductor or cable	ACS464		Quoted	Quoted	Quoted	Quoted	Quoted
	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.	ACS367		Quoted	Quoted	Quoted	Quoted	Quoted
	All other connections, no additional load	Includes provision of additional services where new assets are required (including new service pit / pillar, new service pole or LV mains >25m and flying services)	ACS200		Quoted	Quoted	Quoted	Quoted	Quoted
Training Services	Training	Provision of training to third parties for network related access	ACS465		Quoted	Quoted	Quoted	Quoted	Quoted
Material Sales	Material Sales	Sale of approved materials or equipment	ACS466		Quoted	Quoted	Quoted	Quoted	Quoted

C.2 Quoted services

Common quoted services have been referenced within the Ancillary Network Services Price List in section A; this is not intended to be an exhaustive listing of quoted services. Quoted services will be provided to customers as required to meet the ongoing need of our customers during the 2020-25 period.

We provide a range of non-standard services on a quoted basis including:

- connection application and management services (eg, connection point alterations, temporary supply, technical / engineering studies, specification fees, specification re-compliance, works / design compliance / network infrastructure connection re-appointments, and pole top disconnections / reconnections);
- enhanced connection services (large embedded generators (>200kW)); and
- standard and negotiated connection services (premises connections, excluding extensions and augmentations);
- customer initiated or triggered network asset relocations / re-arrangements;
- third party funded network alterations or other improvements;
- authorisation and approval of third-party service providers' design, work and materials;
- access permits, network isolations, oversight and facilitation of third parties;
- sale of approved materials or equipment;
- network safety services (eg high load escorts);
- attendance at a customer's premises to perform a statutory right where access is prevented;
- inspection and auditing services;
- provision of training to third parties for network related access;
- customer requested provision of electricity network data;
- auxiliary metering services (type 5 – 7 metering installations);
- meter recovery and disposal – type 5 and 6 (legacy meters);
- emergency maintenance of failed metering equipment not owned by SA Power Networks; and
- public lighting, including LED cleaning where cleaning is required prior to 10 year scheduled clean.

These services are charged on a time and materials basis using AER approved pricing inputs.

C.2.1 Quoted services formula

The following formula will apply for quoted services: *Price = Labour + Contractor Services + Materials + Margin*

Where:

Labour consists of all labour costs directly incurred in the provision of the service which may include labour on-costs, fleet on-costs, and overheads. Proposed labour rates are set out in section C.2.2 below.

Contractor Services reflect all costs associated with the use of the external labour including overheads and any direct costs incurred. The contracted services charge applies the rates under existing contractual arrangements. Direct costs incurred are passed on to the customer.

Materials reflect the cost of materials directly incurred in the provision of the service, material on-costs and overheads.

Margin is equal to six per cent of the total costs of labour, contractor services and materials.

C.2.2 Quoted service labour rates

The labour rates for the provision of quoted services for 2020/21 and the indicative labour rates for 2021/22 to 2024/25 are contained in Table 39. All prices listed are exclusive of GST. Overtime rates will be applicable to all after hours work.

Table 39: Labour rate for quoted services ($nominal)

Labour Code	Description	Initial Labour Rate		Indicative Labour Rates							
		2020/21		2021/22		2022/23		2023/24		2024/25	
		Ordinary Time	Overtime	Ordinary Time	Overtime	Ordinary Time	Overtime	Ordinary Time	Overtime	Ordinary Time	Overtime
Admin	Administrative Officer	$82.13	$139.63	$84.01	$142.82	$85.94	$146.10	$87.91	$149.44	$89.92	$152.86
PM	Project Manager	$164.28	$279.27	$168.04	$285.67	$171.89	$292.21	$175.82	$298.90	$179.85	$305.74
FW	Field Worker	$131.62	$223.76	$134.64	$228.88	$137.72	$234.12	$140.87	$239.49	$144.10	$244.97
Tech	Technical Specialist	$164.28	$279.27	$168.04	$285.67	$171.89	$292.21	$175.82	$298.90	$179.85	$305.74
Eng	Engineer	$153.33	$260.66	$156.84	$266.62	$160.43	$272.73	$164.10	$278.98	$167.86	$285.36
SEng	Senior Engineer	$175.23	$297.89	$179.24	$304.71	$183.34	$311.69	$187.54	$318.82	$191.84	$326.12

C.3 Metering services price schedule

Price schedule for legacy metering services – effective from 1 July 2020

SA Power Networks will charge a legacy metering service charge for all NMIs where we provide legacy metering services. Charges will be applied as a fixed daily charge on a 'per NMI' basis.

There are four different combinations of legacy metering service charges possible:

- **Existing customers using SA Power Networks' meters that were installed prior to 1 July 2015** - These customers continue to pay the capital and non-capital charges;
- **Existing customers using SA Power Networks' meters that were installed after 1 July 2015** - These customers will have incurred an upfront capital charge and will continue to pay the non-capital charge;
- **Existing customers using SA Power Networks' meters at 30 June 2015 with meters subsequently replaced by 3rd party meters** – These customers will continue to pay the capital charge and will cease paying the non-capital charge. This will apply to all metering upgrades and replacements undertaken by retailers under metering contestability arrangements post December 2017; and
- **New customers after 1 July 2015 with 3rd party meters installed** – These customers are not liable for any annual metering charges to SA Power Networks. From December 2017 (metering contestability commencement), where a new customer connects to the network the retailer will arrange metering.

The prices for metering services for 2020/21 and indicative prices for 2021/22 to 2024/25 are provided in Table 40. All prices listed are exclusive of GST.

Table 40: SA Power Networks' annual metering service charges ($nominal)

		Initial Price		Indicative Prices			
		2020/21		2021/22	2022/23	2023/24	2024/25
		c/day	$/year	$/year	$/year	$/year	$/year
Legacy metering service charge	Non-Capital	**3.772**	$ 13.77	$ 14.08	$ 14.40	$ 14.73	$ 15.06
	Capital	**2.520**	$ 9.20	$ 9.41	$ 9.62	$ 9.84	$ 10.06
	Non-Capital and Capital	**6.292**	$ 22.97	$ 23.49	$ 24.02	$ 24.57	$ 25.13

C.4 Public Lighting price schedules

C.4.1 Public lighting price schedule – LED lights

Public lighting prices for 2020/21 and indicative prices for 2021/22 to 2024/25 for LED installations are provided in Table 41. All prices listed are annual charges, exclusive of GST.

Table 41: Annual public lighting charges – LED lights

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
All Lights	Energy Only		All lights	$3.03	$3.10	$3.17	$3.24	$3.31
P Category	CLER	LED17	Sylvania StreetLED 17W	$12.28	$12.56	$12.85	$13.14	$13.44
		LED29	Sylvania StreetLED 25W	$12.42	$12.70	$12.99	$13.29	$13.59
		LED22	Sylvania StreetLED 18W	$12.82	$13.11	$13.41	$13.72	$14.03
		LED46	Advanced Edge40 D350P 46W	$12.31	$12.59	$12.88	$13.17	$13.47
		LED43	Pecan SAT-48S 44W	$12.31	$12.59	$12.88	$13.17	$13.47
		LED17 PT	Kensington 17W PT	$17.65	$18.05	$18.46	$18.88	$19.31
		LED35	Pecan NXT-24S 450 35W	$15.80	$16.16	$16.53	$16.90	$17.28
		LED39	Alt Ledway 30 D350 39W	$12.31	$12.59	$12.88	$13.17	$13.47
		LED26	Alt Ledway 20 D350 26W	$12.31	$12.59	$12.88	$13.17	$13.47
		LED20	Pecan NXT-12S 525 20W	$15.80	$16.16	$16.53	$16.90	$17.28
		LED28	Pecan NXT-24S 350 29W	$15.80	$16.16	$16.53	$16.90	$17.28
		LED23 PT	Bourke Hill 22W LED	$16.17	$16.53	$16.91	$17.29	$17.68
		LED16	StreetLED 17W Mk3 (inc. SAPNS)	$12.06	$12.33	$12.61	$12.90	$13.19
		LED24	StreetLED 24W Mk3	$12.55	$12.84	$13.13	$13.43	$13.73
		LED18 PT	B2001 PT 17W Neo	$15.02	$15.36	$15.71	$16.06	$16.43
		LED19 PT	B2001 PT 17W Shade	$16.05	$16.41	$16.78	$17.16	$17.55
		LED32 PT	B2001 PT 34W Neo	$15.19	$15.53	$15.89	$16.25	$16.62
		LED33 PT	B2001 PT 34W Shade	$16.22	$16.59	$16.96	$17.35	$17.74
	PLC	LED17	Sylvania StreetLED 17W	$52.86	$54.06	$55.28	$56.54	$57.82
		LED29	Sylvania StreetLED 25W	$52.99	$54.19	$55.42	$56.68	$57.97
		LED22	Sylvania StreetLED 18W	$53.37	$54.58	$55.82	$57.08	$58.38

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		LED46	Advanced Edge40 D350P 46W	$52.89	$54.09	$55.31	$56.57	$57.85
		LED43	Pecan SAT-48S 44W	$52.89	$54.09	$55.31	$56.57	$57.85
		LED17 PT	Kensington 17W PT	$57.92	$59.23	$60.57	$61.95	$63.36
		LED35	Pecan NXT-24S 450 35W	$56.17	$57.45	$58.75	$60.08	$61.45
		LED39	Alt Ledway 30 D350 39W	$52.89	$54.09	$55.31	$56.57	$57.85
		LED26	Alt Ledway 20 D350 26W	$52.89	$54.09	$55.31	$56.57	$57.85
		LED20	Pecan NXT-12S 525 20W	$56.17	$57.45	$58.75	$60.08	$61.45
		LED28	Pecan NXT-24S 350 29W	$56.17	$57.45	$58.75	$60.08	$61.45
		LED23 PT	Bourke Hill 22W LED	$56.52	$57.80	$59.11	$60.45	$61.83
		LED16	StreetLED 17W Mk3 (inc. SAPNS)	$52.65	$53.84	$55.06	$56.31	$57.59
		LED24	StreetLED 24W Mk3	$53.11	$54.32	$55.55	$56.81	$58.10
		LED18 PT	B2001 PT 17W Neo	$55.43	$56.69	$57.98	$59.30	$60.64
		LED19 PT	B2001 PT 17W Shade	$56.40	$57.68	$58.99	$60.33	$61.70
		LED32 PT	B2001 PT 34W Neo	$55.60	$56.86	$58.15	$59.47	$60.82
		LED33 PT	B2001 PT 34W Shade	$56.56	$57.85	$59.16	$60.51	$61.88
	TFI	LED17	Sylvania StreetLED 17W	$66.59	$68.11	$69.65	$71.23	$72.85
		LED29	Sylvania StreetLED 25W	$67.46	$69.00	$70.56	$72.16	$73.80
		LED22	Sylvania StreetLED 18W	$69.98	$71.57	$73.19	$74.85	$76.55
		LED46	Advanced Edge40 D350P 46W	$66.78	$68.29	$69.84	$71.43	$73.05
		LED43	Pecan SAT-48S 44W	$66.78	$68.29	$69.84	$71.43	$73.05
		LED17 PT	Kensington 17W PT	$100.17	$102.44	$104.77	$107.14	$109.58
		LED35	Pecan NXT-24S 450 35W	$88.60	$90.61	$92.66	$94.77	$96.92
		LED39	Alt Ledway 30 D350 39W	$66.78	$68.29	$69.84	$71.43	$73.05
		LED26	Alt Ledway 20 D350 26W	$66.78	$68.29	$69.84	$71.43	$73.05
		LED20	Pecan NXT-12S 525 20W	$88.60	$90.61	$92.66	$94.77	$96.92
		LED28	Pecan NXT-24S 350 29W	$88.60	$90.61	$92.66	$94.77	$96.92
		LED23 PT	Bourke Hill 22W LED	$90.88	$92.95	$95.06	$97.21	$99.42
		LED16	StreetLED 17W Mk3 (inc. SAPNS)	$65.12	$66.60	$68.11	$69.66	$71.24
		LED24	StreetLED 24W Mk3	$70.95	$72.56	$74.21	$75.90	$77.62

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		LED18 PT	B2001 PT 17W Neo	$86.11	$88.06	$90.06	$92.11	$94.20
		LED19 PT	B2001 PT 17W Shade	$92.47	$94.57	$96.72	$98.91	$101.16
		LED32 PT	B2001 PT 34W Neo	$87.06	$89.04	$91.06	$93.13	$95.24
		LED33 PT	B2001 PT 34W Shade	$93.42	$95.54	$97.71	$99.93	$102.20
	SAPN	LED17	Sylvania StreetLED 17W	$81.74	$83.59	$85.49	$87.43	$89.42
		LED29	Sylvania StreetLED 25W	$83.61	$85.51	$87.45	$89.43	$91.46
		LED22	Sylvania StreetLED 18W	$89.00	$91.02	$93.09	$95.20	$97.36
		LED46	Advanced Edge40 D350P 46W	$82.13	$84.00	$85.90	$87.85	$89.85
		LED43	Pecan SAT-48S 44W	$82.13	$84.00	$85.90	$87.85	$89.85
		LED17 PT	Kensington 17W PT	$153.74	$157.23	$160.80	$164.45	$168.18
		LED35	Pecan NXT-24S 450 35W	$128.92	$131.85	$134.84	$137.90	$141.04
		LED39	Alt Ledway 30 D350 39W	$82.13	$84.00	$85.90	$87.85	$89.85
		LED26	Alt Ledway 20 D350 26W	$82.13	$84.00	$85.90	$87.85	$89.85
		LED20	Pecan NXT-12S 525 20W	$128.92	$131.85	$134.84	$137.90	$141.04
		LED28	Pecan NXT-24S 350 29W	$128.92	$131.85	$134.84	$137.90	$141.04
		LED23 PT	Bourke Hill 22W LED	$133.83	$136.87	$139.98	$143.15	$146.40
		LED16	StreetLED 17W Mk3 (inc. SAPNS)	$78.56	$80.35	$82.17	$84.04	$85.94
		LED24	StreetLED 24W Mk3	$89.66	$91.70	$93.78	$95.91	$98.08
		LED18 PT	B2001 PT 17W Neo	$122.12	$124.89	$127.73	$130.63	$133.59
		LED19 PT	B2001 PT 17W Shade	$135.75	$138.83	$141.98	$145.20	$148.50
		LED32 PT	B2001 PT 34W Neo	$124.13	$126.95	$129.83	$132.78	$135.79
		LED33 PT	B2001 PT 34W Shade	$137.77	$140.89	$144.09	$147.36	$150.71
V Category	CLER	LED200	Pecan SAT-96M 200W	$14.34	$14.66	$15.00	$15.34	$15.68
		LED105	Aldridge LED 105W	$17.80	$18.21	$18.62	$19.05	$19.48
		LED198	Aldridge LED 198W	$17.80	$18.21	$18.62	$19.05	$19.48
		LED88	Alt Ledway 40 D700 88W	$14.34	$14.66	$15.00	$15.34	$15.68
		LED70	Advanced Edge40 D525P 70W	$14.34	$14.66	$15.00	$15.34	$15.68
		LED150	A1 Insights 150W	$13.68	$13.99	$14.31	$14.63	$14.96
		LED90	Advanced Edge40 D700 88W	$14.34	$14.66	$15.00	$15.34	$15.68

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		LED72	Pecan SAT-48S 72W	$14.34	$14.66	$15.00	$15.34	$15.68
		LED117	Pecan NXT-72M 117W	$15.80	$16.16	$16.53	$16.90	$17.28
		LED158	Pecan NXT-72M 158W	$15.80	$16.16	$16.53	$16.90	$17.28
		LED298	Aldridge ALS216 298W	$17.80	$18.21	$18.62	$19.05	$19.48
		LED178	Pecan SAT-96M 178W	$14.34	$14.66	$15.00	$15.34	$15.68
		LED175	Sylvania RoadLED 175W	$14.70	$15.04	$15.38	$15.73	$16.08
		LED79	Pecan NXT-72M 350 78W	$15.80	$16.16	$16.53	$16.90	$17.28
		LED80	Sylvania RoadLED 80W	$13.68	$13.99	$14.31	$14.63	$14.96
		LED60	Sylvania RoadLED 60W	$13.50	$13.80	$14.12	$14.44	$14.76
		LED155 TM	Parkville 155W	$17.59	$17.99	$18.40	$18.82	$19.25
		LED81 TM	Parkville 80W	$17.59	$17.99	$18.40	$18.82	$19.25
		LED101 TM	Parkville 100W	$17.59	$17.99	$18.40	$18.82	$19.25
		LED58	RoadLED Midi 60W	$13.88	$14.19	$14.51	$14.84	$15.18
		LED78	RoadLED Midi 80W	$14.10	$14.42	$14.75	$15.08	$15.42
		LED151	RoadLED Midi 150W	$14.19	$14.51	$14.84	$15.17	$15.52
		LED180 F	Kanon 180W Flood	$15.71	$16.07	$16.44	$16.81	$17.19
		LED360 F	Kanon 2x180W Flood	$20.66	$21.13	$21.61	$22.10	$22.60
	PLC	LED200	Pecan SAT-96M 200W	$54.79	$56.04	$57.31	$58.61	$59.94
		LED105	Aldridge LED 105W	$58.06	$59.38	$60.73	$62.10	$63.51
		LED198	Aldridge LED 198W	$58.06	$59.38	$60.73	$62.10	$63.51
		LED88	Alt Ledway 40 D700 88W	$54.79	$56.04	$57.31	$58.61	$59.94
		LED70	Advanced Edge40 D525P 70W	$54.79	$56.04	$57.31	$58.61	$59.94
		LED150	A1 Insights 150W	$54.17	$55.40	$56.66	$57.95	$59.26
		LED90	Advanced Edge40 D700 88W	$54.79	$56.04	$57.31	$58.61	$59.94
		LED72	Pecan SAT-48S 72W	$54.79	$56.04	$57.31	$58.61	$59.94
		LED117	Pecan NXT-72M 117W	$56.17	$57.45	$58.75	$60.08	$61.45
		LED158	Pecan NXT-72M 158W	$56.17	$57.45	$58.75	$60.08	$61.45
		LED298	Aldridge ALS216 298W	$58.06	$59.38	$60.73	$62.10	$63.51
		LED178	Pecan SAT-96M 178W	$54.79	$56.04	$57.31	$58.61	$59.94

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		LED175	Sylvania RoadLED 175W	$55.14	$56.39	$57.67	$58.98	$60.32
		LED79	Pecan NXT-72M 350 78W	$56.17	$57.45	$58.75	$60.08	$61.45
		LED80	Sylvania RoadLED 80W	$54.17	$55.40	$56.66	$57.95	$59.26
		LED60	Sylvania RoadLED 60W	$54.00	$55.23	$56.48	$57.76	$59.07
		LED155 TM	Parkville 155W	$57.86	$59.17	$60.52	$61.89	$63.30
		LED81 TM	Parkville 80W	$57.86	$59.17	$60.52	$61.89	$63.30
		LED101 TM	Parkville 100W	$57.86	$59.17	$60.52	$61.89	$63.30
		LED58	RoadLED Midi 60W	$54.36	$55.59	$56.86	$58.15	$59.47
		LED78	RoadLED Midi 80W	$54.57	$55.81	$57.08	$58.37	$59.70
		LED151	RoadLED Midi 150W	$54.65	$55.89	$57.16	$58.46	$59.78
		LED180 F	Kanon 180W Flood	$56.09	$57.36	$58.67	$60.00	$61.36
		LED360 F	Kanon 2x180W Flood	$60.75	$62.13	$63.54	$64.98	$66.45
	TFI	LED200	Pecan SAT-96M 200W	$82.24	$84.10	$86.01	$87.97	$89.96
		LED105	Aldridge LED 105W	$103.92	$106.28	$108.69	$111.16	$113.68
		LED198	Aldridge LED 198W	$103.92	$106.28	$108.69	$111.16	$113.68
		LED88	Alt Ledway 40 D700 88W	$82.24	$84.10	$86.01	$87.97	$89.96
		LED70	Advanced Edge40 D525P 70W	$82.24	$84.10	$86.01	$87.97	$89.96
		LED150	A1 Insights 150W	$78.12	$79.89	$81.71	$83.56	$85.46
		LED90	Advanced Edge40 D700 88W	$82.24	$84.10	$86.01	$87.97	$89.96
		LED72	Pecan SAT-48S 72W	$82.24	$84.10	$86.01	$87.97	$89.96
		LED117	Pecan NXT-72M 117W	$91.39	$93.46	$95.58	$97.75	$99.97
		LED158	Pecan NXT-72M 158W	$91.39	$93.46	$95.58	$97.75	$99.97
		LED298	Aldridge ALS216 298W	$103.92	$106.28	$108.69	$111.16	$113.68
		LED178	Pecan SAT-96M 178W	$82.24	$84.10	$86.01	$87.97	$89.96
		LED175	Sylvania RoadLED 175W	$84.52	$86.44	$88.41	$90.41	$92.46
		LED79	Pecan NXT-72M 350 78W	$91.39	$93.46	$95.58	$97.75	$99.97
		LED80	Sylvania RoadLED 80W	$78.12	$79.89	$81.71	$83.56	$85.46
		LED60	Sylvania RoadLED 60W	$76.98	$78.72	$80.51	$82.34	$84.21
		LED155 TM	Parkville 155W	$102.59	$104.92	$107.30	$109.74	$112.23

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		LED81 TM	Parkville 80W	$102.59	$104.92	$107.30	$109.74	$112.23
		LED101 TM	Parkville 100W	$102.59	$104.92	$107.30	$109.74	$112.23
		LED58	RoadLED Midi 60W	$79.17	$80.97	$82.81	$84.69	$86.61
		LED78	RoadLED Midi 80W	$80.50	$82.32	$84.19	$86.10	$88.06
		LED151	RoadLED Midi 150W	$80.97	$82.81	$84.69	$86.61	$88.58
		LED180 F	Kanon 180W Flood	$105.11	$107.49	$109.93	$112.43	$114.98
		LED360 F	Kanon 2x180W Flood	$137.93	$141.06	$144.26	$147.54	$150.89
	SAPN	LED200	Pecan SAT-96M 200W	$113.89	$116.47	$119.12	$121.82	$124.59
		LED105	Aldridge LED 105W	$160.39	$164.03	$167.76	$171.56	$175.46
		LED198	Aldridge LED 198W	$160.39	$164.03	$167.76	$171.56	$175.46
		LED88	Alt Ledway 40 D700 88W	$113.89	$116.47	$119.12	$121.82	$124.59
		LED70	Advanced Edge40 D525P 70W	$113.89	$116.47	$119.12	$121.82	$124.59
		LED150	A1 Insights 150W	$105.07	$107.45	$109.89	$112.38	$114.94
		LED90	Advanced Edge40 D700 88W	$113.89	$116.47	$119.12	$121.82	$124.59
		LED72	Pecan SAT-48S 72W	$113.89	$116.47	$119.12	$121.82	$124.59
		LED117	Pecan NXT-72M 117W	$133.51	$136.54	$139.64	$142.81	$146.05
		LED158	Pecan NXT-72M 158W	$133.51	$136.54	$139.64	$142.81	$146.05
		LED298	Aldridge ALS216 298W	$160.39	$164.03	$167.76	$171.56	$175.46
		LED178	Pecan SAT-96M 178W	$113.89	$116.47	$119.12	$121.82	$124.59
		LED175	Sylvania RoadLED 175W	$118.80	$121.49	$124.25	$127.07	$129.96
		LED79	Pecan NXT-72M 350 78W	$133.51	$136.54	$139.64	$142.81	$146.05
		LED80	Sylvania RoadLED 80W	$105.07	$107.45	$109.89	$112.38	$114.94
		LED60	Sylvania RoadLED 60W	$102.61	$104.94	$107.32	$109.75	$112.25
		LED155 TM	Parkville 155W	$157.54	$161.12	$164.77	$168.51	$172.34
		LED81 TM	Parkville 80W	$157.54	$161.12	$164.77	$168.51	$172.34
		LED101 TM	Parkville 100W	$157.54	$161.12	$164.77	$168.51	$172.34
		LED58	RoadLED Midi 60W	$107.27	$109.71	$112.20	$114.74	$117.35
		LED78	RoadLED Midi 80W	$110.10	$112.60	$115.16	$117.77	$120.44
		LED151	RoadLED Midi 150W	$111.12	$113.64	$116.22	$118.86	$121.55

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		LED180 F	Kanon 180W Flood	$155.34	$158.87	$162.47	$166.16	$169.93
		LED360 F	Kanon 2x180W Flood	$224.74	$229.84	$235.06	$240.40	$245.85

C.4.2 Public lighting price schedule – HID lights

Public lighting prices for 2020/21 and indicative prices for 2021/22 to 2024/25 for HID installations are provided in Table 42. All prices listed are annual charges, exclusive of GST.

Table 42: Annual public lighting charges - HID lights

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
All Lights	Energy Only		All lights	$3.03	$3.10	$3.17	$3.24	$3.31
P Category	CLER	F42	Compact Fluorescent-42	$65.08	$66.56	$68.07	$69.62	$71.20
		F14x2	Fluorescent 2x14	$65.08	$66.56	$68.07	$69.62	$71.20
		F2x8	Fluorescent 2x8	$65.08	$66.56	$68.07	$69.62	$71.20
		F32	Compact Fluorescent 32	$66.24	$67.74	$69.28	$70.85	$72.46
		PT F42	Compact Fluorescent 42 – Post Top	$66.24	$67.74	$69.28	$70.85	$72.46
		F11X2	Fluorescent 11x2	$43.91	$44.90	$45.92	$46.96	$48.03
		F20	Fluorescent 20	$43.91	$44.90	$45.92	$46.96	$48.03
		F2X20	Fluorescent 2x20	$43.91	$44.90	$45.92	$46.96	$48.03
		F2X40	Fluorescent 2x40	$43.91	$44.90	$45.92	$46.96	$48.03
		F40	Fluorescent 40	$43.91	$44.90	$45.92	$46.96	$48.03
		F40X3	Fluorescent 3x40	$43.91	$44.90	$45.92	$46.96	$48.03
		F40X4	Fluorescent 4x40	$43.91	$44.90	$45.92	$46.96	$48.03
		F8X2	Fluorescent 8x2	$43.91	$44.90	$45.92	$46.96	$48.03
		I100	Incandescent 100	$43.91	$44.90	$45.92	$46.96	$48.03
		M50	Mercury 50	$39.15	$40.04	$40.95	$41.88	$42.83
		M70	Mercury 70	$39.15	$40.04	$40.95	$41.88	$42.83
		M80	Mercury 80	$39.15	$40.04	$40.95	$41.88	$42.83
		PT M50	Mercury 50 – Post top	$45.85	$46.89	$47.95	$49.04	$50.15
		PT M80	Mercury 80 – Post top	$45.85	$46.89	$47.95	$49.04	$50.15
		S50	High pressure sodium 50	$62.51	$63.93	$65.38	$66.86	$68.38
		L18	Sodium 18 LP	$28.31	$28.95	$29.61	$30.28	$30.97
		L26	Sodium 26 LP	$28.31	$28.95	$29.61	$30.28	$30.97
		PT L18	Sodium 18 LP – Post top	$28.31	$28.95	$29.61	$30.28	$30.97

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		MH100	Metal Halide 100	$46.56	$47.62	$48.70	$49.80	$50.93
		MH125	Metal Halide 125	$46.56	$47.62	$48.70	$49.80	$50.93
		MH150	Metal Halide 150	$46.56	$47.62	$48.70	$49.80	$50.93
		MH250	Metal Halide 250	$46.56	$47.62	$48.70	$49.80	$50.93
		MH400	Metal Halide 400	$46.56	$47.62	$48.70	$49.80	$50.93
		MH50	Metal Halide 50	$46.56	$47.62	$48.70	$49.80	$50.93
		MH70	Metal Halide 70	$46.56	$47.62	$48.70	$49.80	$50.93
		PT MH100	Metal Halide 100 – Post top	$46.56	$47.62	$48.70	$49.80	$50.93
		PT S70	Sodium 70 – Post top	$46.56	$47.62	$48.70	$49.80	$50.93
		S70	Sodium 70	$46.56	$47.62	$48.70	$49.80	$50.93
		PT S50	Sodium 50 – Post top	$51.92	$53.10	$54.30	$55.54	$56.80
	PLC	F32	Compact Fluorescent 32	$111.72	$114.26	$116.85	$119.50	$122.21
		PT F42	Compact Fluorescent 42 – Post Top	$111.72	$114.26	$116.85	$119.50	$122.21
	TFI	F32	Compact Fluorescent 32	$133.72	$136.75	$139.86	$143.03	$146.28
		PT F42	Compact Fluorescent 42 – Post Top	$133.72	$136.75	$139.86	$143.03	$146.28
	SLUOS	F42	Compact Fluorescent-42	$95.00	$97.16	$99.37	$101.62	$103.93
		F14x2	Fluorescent 2x14	$95.00	$97.16	$99.37	$101.62	$103.93
		F2x8	Fluorescent 2x8	$95.00	$97.16	$99.37	$101.62	$103.93
		F32	Compact Fluorescent 32	$127.39	$130.29	$133.24	$136.27	$139.36
		PT F42	Compact Fluorescent 42 – Post Top	$127.39	$130.29	$133.24	$136.27	$139.36
		F11X2	Fluorescent 11x2	$98.36	$100.59	$102.88	$105.21	$107.60
		F20	Fluorescent 20	$98.36	$100.59	$102.88	$105.21	$107.60
		F2X20	Fluorescent 2x20	$98.36	$100.59	$102.88	$105.21	$107.60
		F2X40	Fluorescent 2x40	$98.36	$100.59	$102.88	$105.21	$107.60
		F40	Fluorescent 40	$98.36	$100.59	$102.88	$105.21	$107.60
		F40X3	Fluorescent 3x40	$98.36	$100.59	$102.88	$105.21	$107.60
		F40X4	Fluorescent 4x40	$98.36	$100.59	$102.88	$105.21	$107.60
		F8X2	Fluorescent 8x2	$98.36	$100.59	$102.88	$105.21	$107.60
		I100	Incandescent 100	$98.36	$100.59	$102.88	$105.21	$107.60
		M50	Mercury 50	$74.28	$75.97	$77.69	$79.45	$81.26

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		M70	Mercury 70	$74.28	$75.97	$77.69	$79.45	$81.26
		M80	Mercury 80	$74.28	$75.97	$77.69	$79.45	$81.26
		PT M50	Mercury 50 – Post top	$70.06	$71.65	$73.28	$74.94	$76.64
		PT M80	Mercury 80 – Post top	$70.06	$71.65	$73.28	$74.94	$76.64
		S50	High pressure sodium 50	$89.57	$91.61	$93.68	$95.81	$97.99
		L18	Sodium 18 LP	$82.47	$84.34	$86.25	$88.21	$90.21
		L26	Sodium 26 LP	$82.47	$84.34	$86.25	$88.21	$90.21
		PT L18	Sodium 18 LP – Post top	$82.47	$84.34	$86.25	$88.21	$90.21
		MH100	Metal Halide 100	$95.75	$97.92	$100.14	$102.42	$104.74
		MH125	Metal Halide 125	$95.75	$97.92	$100.14	$102.42	$104.74
		MH150	Metal Halide 150	$95.75	$97.92	$100.14	$102.42	$104.74
		MH250	Metal Halide 250	$95.75	$97.92	$100.14	$102.42	$104.74
		MH400	Metal Halide 400	$95.75	$97.92	$100.14	$102.42	$104.74
		MH50	Metal Halide 50	$95.75	$97.92	$100.14	$102.42	$104.74
		MH70	Metal Halide 70	$95.75	$97.92	$100.14	$102.42	$104.74
		PT MH100	Metal Halide 100 – Post top	$95.75	$97.92	$100.14	$102.42	$104.74
		PT S70	Sodium 70 – Post top	$95.75	$97.92	$100.14	$102.42	$104.74
		S70	Sodium 70	$95.75	$97.92	$100.14	$102.42	$104.74
		PT S50	Sodium 50 – Post top	$89.51	$91.54	$93.62	$95.74	$97.92
V Category	CLER	M100	Mercury 100	$25.24	$25.81	$26.40	$27.00	$27.61
		M125	Mercury 125	$25.24	$25.81	$26.40	$27.00	$27.61
		M125X3	Mercury 125x3	$25.24	$25.81	$26.40	$27.00	$27.61
		M250	Mercury 250	$25.24	$25.81	$26.40	$27.00	$27.61
		M400	Mercury 400	$25.24	$25.81	$26.40	$27.00	$27.61
		M400X2	Mercury 400x2	$25.24	$25.81	$26.40	$27.00	$27.61
		PT M125	Mercury 125 – Post top	$25.24	$25.81	$26.40	$27.00	$27.61
		PT S100	Sodium 100 – Post top	$49.62	$50.74	$51.90	$53.07	$54.28
		S100	Sodium 100	$49.62	$50.74	$51.90	$53.07	$54.28
		PT S150	Sodium 150 – Post top	$42.22	$43.18	$44.16	$45.16	$46.18
		S150	Sodium 150	$42.22	$43.18	$44.16	$45.16	$46.18

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		S250	Sodium 250	$48.49	$49.59	$50.72	$51.87	$53.04
		S400	Sodium 400	$48.49	$49.59	$50.72	$51.87	$53.04
		L135	Low Pressure Sodium 135	$58.48	$59.81	$61.17	$62.56	$63.98
		L55	Low Pressure Sodium 55	$58.48	$59.81	$61.17	$62.56	$63.98
		L90	Low Pressure Sodium 90	$58.48	$59.81	$61.17	$62.56	$63.98
		I1000 F	Incandescent Flood 1000	$28.05	$28.69	$29.34	$30.01	$30.69
		I150 F	Incandescent Flood 150	$28.05	$28.69	$29.34	$30.01	$30.69
		I1500 F	Incandescent Flood 1500	$28.05	$28.69	$29.34	$30.01	$30.69
		I500 F	Incandescent Flood 500	$28.05	$28.69	$29.34	$30.01	$30.69
		I750 F	Incandescent Flood 750	$28.05	$28.69	$29.34	$30.01	$30.69
		M1000 F	Mercury Flood 1000	$28.05	$28.69	$29.34	$30.01	$30.69
		M250 F	Mercury Flood 250	$28.05	$28.69	$29.34	$30.01	$30.69
		M400 F	Mercury Flood 400	$28.05	$28.69	$29.34	$30.01	$30.69
		M750 F	Mercury Flood 750	$28.05	$28.69	$29.34	$30.01	$30.69
		M80 F	Mercury Flood 80	$28.05	$28.69	$29.34	$30.01	$30.69
		S360 F	Sodium Flood 360	$28.05	$28.69	$29.34	$30.01	$30.69
		S400 F	Sodium Flood 400	$28.05	$28.69	$29.34	$30.01	$30.69
	SLUOS	M100	Mercury 100	$72.05	$73.69	$75.36	$77.07	$78.82
		M125	Mercury 125	$72.05	$73.69	$75.36	$77.07	$78.82
		M125X3	Mercury 125x3	$72.05	$73.69	$75.36	$77.07	$78.82
		M250	Mercury 250	$72.05	$73.69	$75.36	$77.07	$78.82
		M400	Mercury 400	$72.05	$73.69	$75.36	$77.07	$78.82
		M400X2	Mercury 400x2	$72.05	$73.69	$75.36	$77.07	$78.82
		PT M125	Mercury 125 – Post top	$72.05	$73.69	$75.36	$77.07	$78.82
		PT S100	Sodium 100 – Post top	$73.27	$74.93	$76.64	$78.37	$80.15
		S100	Sodium 100	$73.27	$74.93	$76.64	$78.37	$80.15
		PT S150	Sodium 150 – Post top	$75.24	$76.94	$78.69	$80.48	$82.30
		S150	Sodium 150	$75.24	$76.94	$78.69	$80.48	$82.30
		S250	Sodium 250	$86.46	$88.43	$90.43	$92.49	$94.59
		S400	Sodium 400	$86.46	$88.43	$90.43	$92.49	$94.59

				Initial Price	Indicative Prices			
Category	Service Description	Code	Light	2020/21	2021/22	2022/23	2023/24	2024/25
		L135	Low Pressure Sodium 135	$92.27	$94.36	$96.50	$98.69	$100.93
		L55	Low Pressure Sodium 55	$92.27	$94.36	$96.50	$98.69	$100.93
		L90	Low Pressure Sodium 90	$92.27	$94.36	$96.50	$98.69	$100.93
		I1000 F	Incandescent Flood 1000	$60.95	$62.33	$63.75	$65.19	$66.67
		I150 F	Incandescent Flood 150	$60.95	$62.33	$63.75	$65.19	$66.67
		I1500 F	Incandescent Flood 1500	$60.95	$62.33	$63.75	$65.19	$66.67
		I500 F	Incandescent Flood 500	$60.95	$62.33	$63.75	$65.19	$66.67
		I750 F	Incandescent Flood 750	$60.95	$62.33	$63.75	$65.19	$66.67
		M1000 F	Mercury Flood 1000	$60.95	$62.33	$63.75	$65.19	$66.67
		M250 F	Mercury Flood 250	$60.95	$62.33	$63.75	$65.19	$66.67
		M400 F	Mercury Flood 400	$60.95	$62.33	$63.75	$65.19	$66.67
		M750 F	Mercury Flood 750	$60.95	$62.33	$63.75	$65.19	$66.67
		M80 F	Mercury Flood 80	$60.95	$62.33	$63.75	$65.19	$66.67
		S360 F	Sodium Flood 360	$60.95	$62.33	$63.75	$65.19	$66.67
		S400 F	Sodium Flood 400	$60.95	$62.33	$63.75	$65.19	$66.67

Appendix D: Glossary/shortened forms

Abbreviation	Definition or description
AER	Australian Energy Regulator.
Augmentation	Investment in new network assets to meet increased demand.
Capacity	The amount of electrical power that a part of the network is able to carry.
Capital Contributed Works	Works for which the customer(s) contribute towards the cost of supplying assets, typically because they are the sole users.
COAG	Council of Australian Governments.
Contestability	Customer choice of electricity or related service supplier.
Controlled Load	The DNSP controls the hours in which the supply is made available.
Cost of Supply Model	Theoretical and algorithmic model used to calculate prices, which conform to the pricing goals.
Cross subsidy	Where the price to a tariff class falls outside the range between the avoidable incremental cost of supply and the cost of stand-alone supply, an economic cross subsidy from or to other customers is said to exist.
Decision	The Australian Energy Regulator's Final Decision on South Australia -distribution determination 2015–16 to 2019–20, October 2015
Demand	Electricity consumption at a point in time.
Demand Management	Attempt to modify customer behaviour so as to constrain customer demand at critical times.
Distribution Network	The assets and service which links energy customers to the transmission network.
Distributor, DNSP	Distribution Network Service Provider.
DUoS	Distribution Use of System. The utilisation of the distribution network in the provision of electricity to consumers (a component of NUoS).
DAPR	Distribution Annual Planning Report.
ESCoSA	Essential Services Commission of South Australia, a South Australian Regulator of energy and other infrastructure.
FiT	Feed-in Tariff paid to customers that have solar PV generators.
High Voltage	Equipment or supplies at voltages of 7.6kV or 11kV.
IBT, Inclining Block Tariff	A network tariff energy rate in which the rate increases above specific consumption thresholds.
JSO	Jurisdictional Scheme Obligation, a component of the Network Use of System charge to fund Feed-in Tariff payments to customers that have solar PV generators.
kVA, MVA	Kilo-volt amps and Mega-volt amps, units of apparent total electrical power demand. Usually the peak demand is referenced. See also PF for the relationship between power demand quantities.
kVAr, MVAr	Kilo-volt amps (reactive) and Mega-volt amps (reactive) units of instantaneous reactive electrical power demand. Usually the peak demand is referenced. See also PF for the relationship between power demand quantities.
kW, MW	Kilo-watts and Mega-watts, units of instantaneous real electrical power demand. Usually the peak demand is referenced. See also PF for the relationship between power demand quantities.
kWh, MWh	Kilo-watt hours and Mega-watt hours, units of electrical energy consumption.
Low Voltage	Equipment or supply at a voltage of 230V single phase or 400V, three phase.

Abbreviation	Definition or description
Marginal Cost	The cost of providing a small increment of service. The Long Run Marginal Cost (LRMC) includes future investment, Short Run Marginal Cost (SRMC) considers only the costs involved without extra investment.
Market Participant	Businesses involved in the electricity industry are referred to as Market or Code Participants.
Supply Rate	The fixed daily cost component of a Network price.
NEL	National Electricity Law.
NEM	National Electricity Market.
NER	National Electricity Rules.
NUoS	Network Use of System. The utilisation of the total electricity network in the provision of electricity to consumers (NUoS = DUoS + TUoS).
PV	Photo-Voltaic
PF	Power Factor, a measure of the ratio of real power to total power of a load. The relationship between real, reactive and apparent power is as follows: Power Factor = Real Power (kW) / Apparent Power (kVA) Apparent Power (kVA) = √ [Real Power (kW)^2 + Reactive Power (kVAr)^2]
Price Signal	Prices set to convey a desired behaviour because of the costs associated with supplying the service.
Price Structure	The components that make up a Price available to customers.
Retailer	A Full Retail Contestability market participant (business) supplying electricity to customers.
Rules	National Electricity Rules.
Sub-transmission	Equipment or supplies at voltage levels of 33kV or 66 kV.
Tariff	Network price components and conditions of supply for a tariff class.
Tariff class	A class of customers for one or more direct control services who are subject to a particular tariff or particular tariffs with similar electricity demand and usage requirements.
ToU	Time of Use, a system of pricing where energy or demand charges are higher in periods of peak utilisation of the network.
Transmission Network	The assets and service that enable generators to transmit their electrical energy to population centres. Operating voltage of equipment is 275kV and 132kV with some at 66kV.
TUoS	Transmission Use of System charges for the utilisation of the transmission network.
Unmetered supply	A connection to the distribution system which is not equipped with a meter and has estimated consumption. Connections to public lights, phone boxes, traffic lights and the like are not normally metered.

Appendix E: List of attachments

Attachment	Title	Contents
Attachment A	SAPN_Attachment A_2020-21 Tariff Approval Model_June 2020	Revenue cap and tariff approval model
Attachment B	SAPN_Attachment B_I-Factor calculation_June 2020	STPIS and incentive calculation
Attachment C	SAPN_Attachment C_ElectraNet 2020-21 TUoS tariffs_May 2020	ElectraNet transmission pricing for 2020/21
Attachment D	SAPN_Attachment D_BDO Review Report 2019_May 2020	Audit report on SA Power Networks' schedules of billing and revenue data for 2018/19
Attachment E	ANS Price Schedule_June 2020	Ancillary Network Services pricing for 2020/21 and indicative pricing 2021/22 to 2024/15
Attachment F	Metering Price Schedule_June 2020	Metering pricing for 2020/21 and indicative pricing 2021/22 to 2024/15
Attachment G	Public lighting Price Schedule_June 2020	Public lighting pricing for 2020/21 and indicative pricing 2021/22 to 2024/15