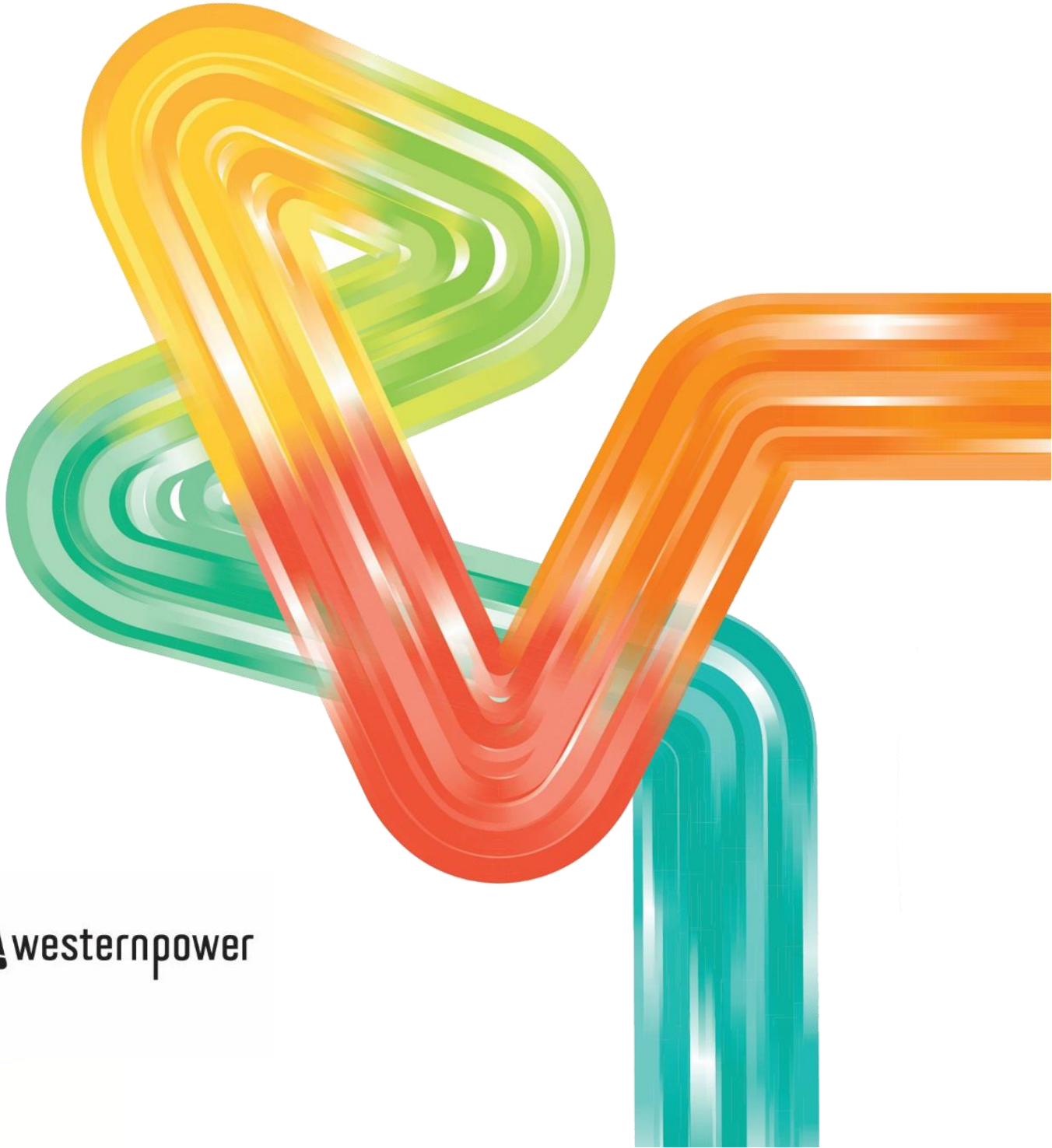
2020/21 Price List

25 May 2020



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2020/21 Price List

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Contents

1. Introduction

This document details Western Power's Price List. For the purpose of section 5.1(f) of the *Electricity Networks Access Code 2004* this document forms part of Western Power's Access Arrangement.

This Price List is for the pricing year commencing on 1 July 2020 and ending on 30 June 2021.

For the avoidance of doubt, the prices within this Price List will apply to all consumption during the pricing year. Where consumption is metered with an accumulation meter and the meter reading interval causes some of the metered consumption to lie within the period covered by this price list and the remainder within a previous or subsequent period not covered by this price list, the consumption covered by this price list will be determined by prorating the metered consumption uniformly on a daily basis.

Section 2 lists the reference tariffs for the reference services provided by Western Power as stated in the company's access arrangement.

Sections 5, 6 and 3 detail the reference tariffs, which are based on a number of components. The total charge payable by users under each reference tariff represents the sum of the amounts payable for each component within the relevant reference tariff.

Section 7.4 details the prices that are required to calculate the charges.

2. References services

The following table details which reference tariff is applicable to each of the reference services.

Table 1: Reference services and applicable tariffs

Reference service	Reference tariff
A1 – Anytime Energy (Residential) Exit Service	RT1
A2 – Anytime Energy (Business) Exit Service	RT2
A3 – Time of Use Energy (Residential) Exit Service	RT3
A4 – Time of Use Energy (Business) Exit Service	RT4
A5 – High Voltage Metered Demand Exit Service C5 – High Voltage Metered Demand Bi-directional Service	RT5
A6 – Low Voltage Metered Demand Exit Service C6 – Low Voltage Metered Demand Bi-directional Service	RT6
A7 – High Voltage Contract Maximum Demand Exit Service C7 – High Voltage Contract Maximum Demand Bi-directional Service	RT7
A8 – Low Voltage Contract Maximum Demand Exit Service C8 – Low Voltage Contract Maximum Demand Bi-directional Service	RT8
A9 – Streetlighting Exit Service	RT9
A10 – Unmetered Supplies Exit Service	RT10
A11 – Transmission Exit Service	TRT1
B1 – Distribution Entry Service	RT11
B2 – Transmission Entry Service	TRT2
B3 – Entry Service Facilitating a Distributed Generation or Other Non-Network Solution	RT23
C1 – Anytime Energy (Residential) Bi-directional Service	RT13
C2 – Anytime Energy (Business) Bi-directional Service	RT14
C3 – Time of Use (Residential) Bi-directional Service	RT15
C4 – Time of Use (Business) Bi-directional Service	RT16
A12 – 3 Part Time of Use Energy (Residential) Exit Service C9 – 3 Part Time of Use Energy (Residential) Bi-directional Service	RT17
A13 – 3 Part Time of Use Energy (Business) Exit Service C10 – 3 Part Time of Use Energy (Business) Bi-directional Service	RT18
A14 – 3 Part Time of Use Demand (Residential) Exit Service C11 – 3 Part Time of Use Demand (Residential) Bi-directional Service	RT19

Reference service	Reference tariff
A15 – 3 Part Time of Use Demand (Business) Exit Service C12 – 3 Part Time of Use Demand (Business) Bi-directional Service	RT20
A16 – Multi Part Time of Use Energy (Residential) Exit Service C13 – Multi Part Time of Use Energy (Residential) Bi-directional Service	RT21
A17 – Multi Part Time of Use Energy (Business) Exit Service C14 – Multi Part Time of Use Energy (Business) Bi-directional Service	RT22
C15 – Bi-directional Service Facilitating a Distributed Generation or Other Non-Network Solution	RT24
D1 – Supply Abolishment Service	RT25
D6 – Remote Direct Load Control Service	RT26
D7 – Remote Direct Load Limitation Service	RT27
D8 – Remote De-energise Service	RT28
D9 – Remote Re-energise Service	RT29
D10 – Streetlight LED Replacement Service	RT30

3. Non-reference services

Where Western Power is providing a user a non-reference service at a connection point, the tariff applicable to that non-reference service is the tariff agreed between the user and Western Power.

4. Application of tariffs

4.1 Bundled charges

Within this price list the transmission and distribution components of the bundled charges are published, where applicable. The bundled charge is applicable when calculating the charge for the reference tariff, unless otherwise indicated. For the avoidance of doubt, the bundled charge is the sum of the distribution and transmission components of the charge.

At Western Power's discretion, the charges detailed below may be discounted where there are multiple exit points on the same premises that are configured in a non-standard way. These discounts include, but are not limited to, only charging one administration charge per site.

4.2 Application of reference tariffs to exit and bi-directional points

Reference tariffs RT5 to RT8 and RT17 to RT24 are applicable to reference services at connection points that may be exit points or bi-directional points. The energy or demand charges are calculated based on energy being transferred out of the network only.

5. Distribution Tariffs

5.1 Reference tariffs 1 and 2 (RT1 and RT2)

RT1 and RT2 consist of:

a. a fixed use of system charge (detailed in Table 11) which is payable each day;

b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 11) by the quantity of electricity consumed at an exit point (expressed in kWh); and

c. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

5.2 Reference tariffs 3 and 4 (RT3 and RT4)

RT3 and RT4 consist of:

a. a fixed use of system charge (detailed in Table 11) which is payable each day;

b. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in Table 11) by the quantity of on-peak electricity consumed at an exit point (expressed in kWh);

c. an off-peak use of system variable charge calculated by multiplying the off-peak energy price (detailed in Table 11) by the quantity of off-peak electricity consumed at an exit point (expressed in kWh); and

d. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

Notes:

1. The on and off-peak periods for these tariffs are defined in the following table (all times are Western Standard Time (WST)):

Table 2: RT3 and RT4

	Monday – Friday (includes public holidays)			Saturday – Sunday (excludes public holidays)
	Off-peak	**On-Peak**	**Off-Peak**	**Off-Peak**
RT3	12:00am – 7:00am	7:00am – 9:00pm	9:00pm – 12:00am	All times
RT4	12:00am – 8:00am	8:00am – 10:00pm	10:00pm – 12:00am	All times

5.3 Reference tariff 5 (RT5)

5.3.1 Tariff calculation

RT5 consists of:

a. a fixed metered demand charge (detailed in Table 16) which is payable each day based on the rolling 12-month maximum half-hourly demand at a connection point (expressed in kVA) multiplied by (1-Discount);

b. a variable metered demand charge calculated by multiplying the demand price (in excess of the lower threshold and detailed in Table 16) by the rolling 12-month maximum half-hourly demand at a connection point (expressed in kVA) minus the lower threshold with the result multiplied by (1-Discount);

c. if the metered demand is greater than 1,000 kVA a variable demand length charge calculated by multiplying the demand length price (detailed in Table 19) by the electrical distance to the zone substation by the rolling 12-month maximum half-hourly demand (expressed in kVA) minus 1,000 kVA (Note: a different rate applies after 10 km); and

d. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

Notes:

1. If a user reduces its rolling 12-month maximum half-hourly demand at a connection point as set out in the process in the Price List Information then for the purposes of calculating parts a, b and c of the RT5 tariff the 'rolling 12-month maximum half-hourly demand' shall be the reduced amount from the date approved by Western Power.
2. The on and off-peak periods for this tariff are defined in the following table (all times are WST):

Table 3: On and off-peak for RT5

Monday – Friday (excludes public holidays)			Saturday – Sunday (includes public holidays)
Off-peak	**On-Peak**	**Off-Peak**	**Off-Peak**
12:00am – 3:00pm	3:00pm – 9:00pm	9:00pm – 12:00am	All times

5.3.2 Discount

A discount, based on the percentage of off-peak energy consumption (as a proportion of the total energy consumption), applies to this tariff.

The Discount is defined as:

For MD < 1,000 kVA	$(E_{Off\text{-}peak}/E_{Total}) * DF$
For 1,000 <= MD <1,500 kVA	$((1500 - MD)/500) * (E_{Off\text{-}peak}/E_{Total}) * DF$
For MD => 1,500 kVA	0

Where:

MD	is the rolling 12-month maximum half-hourly demand at a connection point (expressed in kVA);
DF	is the discount factor, which is set at 30%;
$E_{Off\text{-}peak}$	is the total off-peak energy for the billing period (expressed in kWh); and
E_{Total}	is the total energy (both on and off-peak) for the billing period (expressed in kWh).

Notes:

1. This discount does not apply to the demand-length portion of the charge.

5.4 Reference tariff 6 (RT6)

5.4.1 Tariff calculation

RT6 consists of:

a. a fixed metered demand charge (detailed in Table 17) which is payable each day based on the rolling 12-month maximum half-hourly demand at a connection point (expressed in kVA) multiplied by (1-Discount);

b. a variable metered demand charge (detailed in Table 17) calculated by multiplying the demand price (in excess of lower threshold) by the rolling 12-month maximum half-hourly demand at a connection point(expressed in kVA) minus the lower threshold with the result multiplied by (1-Discount);

c. if the metered demand is equal to or greater than 1,000 kVA a variable demand length charge calculated by multiplying the demand length price (detailed in Table 19) by the electrical distance to the zone substation by the rolling 12-month maximum half-hourly demand (expressed in kVA) minus 1,000 kVA (Note: a different rate applies after 10 km); and

d. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

Notes:

1. This tariff is similar to RT5 in section 5.3 but for customers connected at low voltage. The higher tariff rates reflect the additional cost of using the low voltage network.
2. The on and off-peak periods for this tariff are defined in the following table (all times are WST):

Table 4: On and off-peak for RT6

Monday – Friday (excludes public holidays)			Saturday – Sunday (includes public holidays)
Off-peak	**On-Peak**	**Off-Peak**	**Off-Peak**
12:00am – 3:00pm	3:00pm – 9:00pm	9:00pm – 12:00am	All times

3. If a user reduces its rolling 12-month maximum half-hourly demand at a connection point as set out in the process in the Price List Information then for the purposes of calculating parts a, b and c of the RT6 tariff the 'rolling 12-month maximum half-hourly demand' shall be the reduced amount from the date approved by Western Power.

5.4.2 Discount

The same formula detailed in section 5.3.2 also applies for RT6.

5.5 Reference tariff 7 (RT7)

5.5.1 Tariff calculation

RT7 consists of:

a. If the contracted maximum demand (CMD) is less than 7,000 kVA:

i. a fixed demand charge for the first 1,000 kVA (detailed in Table 18) which is payable each day; plus

ii. a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 18) by the CMD (expressed in kVA) minus 1,000 kVA; plus

iii. a variable demand length charge calculated by multiplying the demand length price (detailed in Table 18) by the electrical distance to the zone substation by the CMD (expressed in kVA) minus 1,000 kVA (Note: a different rate applies after 10 km);

b. If the CMD is equal to or greater than 7,000 kVA:

i. a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 18) by the CMD (expressed in kVA); plus

ii. a variable demand length charge calculated by multiplying the demand length price (detailed in Table 20) by the electrical distance to the zone substation by the CMD (expressed in kVA) (Note: a different rate applies after 10 km);

c. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day;

d. a fixed administration charge (detailed in Table 23) which is payable each day; and

e. excess network usage charges calculated in accordance with section 5.5.2 (if applicable).

Notes:

1. For connection points located at the zone substation the fixed and variable demand charge specified in sections 5.5.1(a)(i), (a)(ii) & (b)(i) is to be calculated using the transmission component only. In all other instances, the fixed and variable demand charge specified in sections 5.5.1 (a)(i), (a)(ii) & (b)(i) is to be calculated using the bundled charge.
2. If this tariff applies in relation to a connection point the subject of a capacity allocation arrangement pursuant to reference services D4 and D5 as set out in Appendix E of the Access Arrangement, then the charge to each user at this connection point for the duration of the capacity allocation arrangement is the sum of all tariff components a to d, multiplied by the percentage of the contracted capacity allocated to the user pursuant to the capacity allocation arrangement as compared to the total contracted capacity at the connection point.

5.5.2 Excess network usage charges

An additional charge applies to this tariff where the peak half-hourly demand exceeds the nominated CMD during the billing period of the load.

The excess network usage charge (ENUC) is calculated by applying a factor to the excess usage as follows:

$$ENUC = ENUC_{Transmission} + ENUC_{Distribution}$$

Where

$ENUC_{Transmission}$ = ENUM * (PD – CMD) * $DC_{Transmission}$ / CMD;

$ENUC_{Distribution}$ = ENUM * (PD – CMD) * ($DC_{Distribution}$ + DLC) / CMD;

ENUM is the Excess network usage multiplier factor, which is defined in Table 31;

PD is the peak half-hourly demand during the billing period of the load (expressed in kVA);

CMD	is the nominated CMD for the billing period of the load (expressed in kVA);
$DC_{Transmission}$	are the applicable transmission components of the fixed and variable demand charges for the billing period for the nominated CMD;
$DC_{Distribution}$	are the applicable distribution components of the fixed and variable demand charges for the billing period for the nominated CMD; and
DLC	are the applicable variable demand length charges for the billing period for the nominated CMD.

Notes:

1. The ENUC does not include the metering or administration components of the tariff.
2. If the connection point is subject to the Capacity (Swap) Allocation (Business) Exit Service, for the purposes of the ENUC calculation above the CMD is the total contracted capacity allocated to the connection point from time to time pursuant to the capacity allocation arrangement.

5.6 Reference tariff 8 (RT8)

5.6.1 Tariff calculation

RT8 consists of:

a. If the contracted maximum demand (CMD) is less than 7,000 kVA:
   i. a fixed demand charge for the first 1,000 kVA (detailed in Table 18) which is payable each day; plus
   ii. a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 18) by the CMD (expressed in kVA) minus 1,000 kVA; plus
   iii. a variable demand length charge calculated by multiplying the demand length price (detailed in Table 19) by the electrical distance to the zone substation by the CMD (expressed in kVA) minus 1,000 kVA (Note: a different rate applies after 10 km);

b. If the CMD is equal to or greater than 7,000 kVA:
   i. a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 18) by the CMD (expressed in kVA); plus
   ii. a variable demand length charge calculated by multiplying the demand length price (detailed in Table 20) by the electrical distance to the zone substation by the CMD (expressed in kVA) (Note: a different rate applies after 10 km);

c. a fixed low voltage charge (detailed in Table 24) which is payable each day;

d. a variable low voltage charge calculated by multiplying the low voltage demand price (detailed in Table 24) by the CMD (expressed in kVA);

e. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day;

f. a fixed administration charge (detailed in Table 23) which is payable each day; and

g. excess network usage charges calculated in accordance with section 5.6.2 (if applicable).

Notes:

1. This tariff is identical to RT7 in section 5.5, with an additional low voltage charge to cover the use of transformers and LV circuits.
2. If this tariff applies in relation to a connection point the subject of a capacity allocation arrangement pursuant to reference services D4 and D5 as set out in Appendix E of the Access Arrangement, then the charge to each user at this connection point for the duration of the capacity allocation arrangement is the sum of all tariff components a to d, multiplied by the percentage of the contracted capacity allocated to the user pursuant to the capacity allocation arrangement as compared to the total contracted capacity at the connection point.

5.6.2 Excess network usage charges

An additional charge applies to this tariff where the peak half-hourly demand exceeds the nominated CMD during the billing period of the load. The excess network usage charge (ENUC) is calculated by applying a factor to the excess usage as follows:

$$ENUC = ENUC_{Transmission} + ENUC_{Distribution}$$

Where

$ENUC_{Transmission}$ = ENUM * (PD – CMD) * $DC_{Transmission}$ / CMD;

$ENUC_{Distribution}$ = ENUM * (PD – CMD) * ($DC_{Distribution}$ + DLC + LVC) / CMD;

ENUM	is the Excess network usage multiplier factor, which is defined in Table 31;
PD	is the peak half-hourly demand during the billing period of the load (expressed in kVA);
CMD	is the nominated CMD for the billing period of the load (expressed in kVA);
$DC_{Transmission}$	are the applicable transmission components of the fixed and variable demand charges for the billing period for the nominated CMD;
$DC_{Distribution}$	are the applicable distribution components of the fixed and variable demand charges for the billing period for the nominated CMD;
DLC	are the applicable variable demand length charges for the billing period for the nominated CMD; and
LVC	are the applicable additional fixed and additional demand (low voltage) charges for the billing period for the nominated CMD.

Notes:

1. The ENUC does not include the metering or administration components of the tariff.
2. If the connection point is subject to the Capacity (Swap) Allocation (Business) Exit Service, for the purposes of the ENUC calculation above the CMD is the total contracted capacity allocated to the connection point from time to time pursuant to the capacity allocation arrangement.

5.7 Reference tariff 9 (RT9)

RT9 consists of:

a. a fixed use of system charge (detailed in Table 11) which is payable each day;

b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 11) by the estimated quantity of electricity consumed at an exit point (expressed in kWh and is based on the lamp wattage and illumination period); and

c. a fixed asset charge based on the type of streetlight asset supplied (detailed in Table 14 and Table 15)

5.8 Reference tariff 10 (RT10)

RT10 consists of:

a. a fixed use of system charge (detailed in Table 11) which is payable each day; and

b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 11 by the estimated quantity of electricity consumed at an exit point (expressed in kWh and based on the nameplate rating of the connected equipment and the hours of operation).

Except for where the consumer's facilities and equipment is a streetlight, then Reference Tariff RT10 consists of:

a. the fixed use of system charge for RT9 (detailed in Table 11) which is payable each day; and

b. the variable use of system charge for RT9 calculated by multiplying the energy price (detailed in Table 11 by the estimated quantity of electricity consumed at an exit point (expressed in kWh and based on the nameplate rating of the connected equipment and the hours of operation).

5.9 Reference tariff 11 (RT11)

5.9.1 Tariff calculation

RT11 consists of:

a. a variable connection charge calculated by multiplying the connection price (detailed in Table 25) by the loss-factor adjusted declared sent-out capacity (DSOC) at the entry point (expressed in kW);

b. a variable control system service charge calculated by multiplying the control system service price (detailed in Table 29) by the nameplate output of the generator at the entry point (expressed in kW);

c. a variable use of system charge calculated by multiplying the use of system price (based on the location of the electrically closest major generator and detailed in Table 27) by the loss-factor adjusted DSOC at the entry point (expressed in kW);

d. if the DSOC is less than 7,000 kVA:

   i. if the entry point is connected at 415 V or less and the DSOC is equal to or greater than 1,000 kVA a variable demand length charge calculated by multiplying the applicable demand length price (detailed in Table 19) by the electrical distance between the relevant HV network connection point and the electrically closest zone substation by the DSOC (expressed in kVA) minus 1,000 kVA (Note: a different rate applies after 10 km); or

   ii. if the entry point is connected at greater than 415 V and the DSOC is equal to or greater than 1,000 kVA a variable demand length charge calculated by multiplying the applicable demand length price (detailed in Table 19) by the electrical distance between the entry

point and the electrically closest zone substation by the DSOC (expressed in kVA) minus 1,000 kVA (Note: a different rate applies after 10 km);

e. If the DSOC is equal to or greater than 7,000 kVA:

   i. if the entry point is connected at 415 V or less a variable demand length charge calculated by multiplying the applicable demand length price (detailed in Table 20) by the electrical distance between the relevant HV network connection point and the electrically closest zone substation by the DSOC (expressed in kVA) (Note: a different rate applies after 10 km); or

   ii. if the entry point is connected at greater than 415 V a variable demand length charge calculated by multiplying the applicable demand length price (detailed in Table 20) by the electrical distance between the entry point and the electrically closest zone substation by the DSOC (expressed in kVA) (Note: a different rate applies after 10 km);

f. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day; and

g. excess network usage charges calculated in accordance with section 5.9.2 (if applicable).

Notes:

1. The loss factor used to calculate the loss-factor adjusted DSOC is the relevant portion from the generator to the zone substation of the loss factor published by the AEMO for that generator.
2. For this reference tariff a unity power factor is assumed when converting between kW and kVA.
3. If this tariff applies in relation to a connection point the subject of a capacity allocation arrangement pursuant to reference services D4 and D5 as set out in Appendix E of the Access Arrangement, then the charge to each user at this connection point for the duration of the capacity allocation arrangement is the sum of all tariff components a to d, multiplied by the percentage of the contracted capacity allocated to the user pursuant to the capacity allocation arrangement as compared to the total contracted capacity at the connection point.

5.9.2 Excess network usage charges

An additional charge applies to this tariff where the peak half-hourly demand exceeds the nominated DSOC during the billing period except where Western Power deems the export of power in excess of DSOC was required for power system reliability and security purposes.

The excess network usage charge (ENUC) is calculated by applying a factor to the excess usage as follows:

$$ENUC = ENUC_{Transmission} + ENUC_{Distribution}$$

Where

$$ENUC_{Transmission} = ENUM * (PD_{kW} – DSOC_{kW}) * TEPC / DSOC_{kW};$$

$$ENUC_{Distribution} = ENUM * (PD_{kVA} – DSOC_{kVA}) * (DLC) / DSOC_{kVA};$$

ENUM is the Excess network usage multiplier factor, which is defined in Table 31;

PD is the peak half-hourly demand during the billing period (expressed in kVA and kW);

DSOC is the nominated DSOC for the billing period (expressed in kVA and kW);

TEPC	is the sum of the variable connection charge, variable control system service charge and variable use of system charge for the billing period for the nominated DSOC; and
DLC	is the applicable variable demand length charge for the billing period for the nominated DSOC.

Notes:

1. The ENUC does not include the metering components of the tariff.
2. If the connection point is subject to the Capacity (Swap) Allocation (Business) Entry Service, for the purposes of the ENUC calculation above the CMD is the total contracted capacity allocated to the connection point from time to time pursuant to the capacity allocation arrangement.

5.10 Reference tariffs 13 and 14 (RT13 and RT14)

RT13 and RT14 consist of:

a. a fixed use of system charge (detailed in Table 11) which is payable each day;

b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 11) by the quantity of electricity consumed (expressed in kWh); and

c. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

5.11 Reference tariffs 15 and 16 (RT15 and RT16)

RT15 and RT16 consist of:

a. a fixed use of system charge (detailed in Table 11) which is payable each day;

b. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in Table 11) by the quantity of on-peak electricity consumed (expressed in kWh);

c. an off-peak use of system variable charge calculated by multiplying the off-peak energy price (detailed in Table 11) by the quantity of off-peak electricity consumed (expressed in kWh); and

d. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

Notes:

1. The on and off-peak periods for these tariffs are defined in the following table (all times are WST):

Table 5: On and off-peak for RT15 and RT16

	Monday – Friday (includes public holidays)			Saturday – Sunday (excludes public holidays)
	Off-peak	**On-Peak**	**Off-Peak**	**Off-Peak**
RT15	12:00am – 7:00am	7:00am – 9:00pm	9:00pm – 12:00am	All times
RT16	12:00am – 8:00am	8:00am – 10:00pm	10:00pm – 12:00am	All times

5.12 Reference tariffs 17 and 18 (RT17 and RT18)

RT17 and RT18 consist of:

a. a fixed use of system charge (detailed in Table 11) which is payable each day;

b. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in Table 11) by the quantity of on-peak electricity consumed at the connection point (expressed in kWh);

c. a shoulder use of system variable charge calculated by multiplying the shoulder energy price (detailed in Table 11) by the quantity of shoulder period electricity consumed at the connection point (expressed in kWh);

d. an off-peak use of system variable charge calculated by multiplying the off-peak energy price (detailed in Table 11) by the quantity of off-peak electricity consumed at the connection point (expressed in kWh); and

e. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

Notes:

1. The on-peak, shoulder and off-peak periods for these tariffs are defined in the table below (all times are WST).

Table 6: On and off-peak for RT17 and RT18

Monday – Friday (excludes public holidays)				Saturday – Sunday (includes public holidays)
Off-peak	**Shoulder**	**On-Peak**	**Off-Peak**	**Off-Peak**
12:00am – 12:00pm	12:00pm – 3:00pm	3:00pm – 9:00pm	9:00pm – 12:00am	All times

5.13 Reference tariff 19 (RT19)

RT19 consist of:

a. a fixed use of system charge (detailed in Table 12) which is payable each day;

b. a demand based charge calculated by multiplying the demand charge (detailed in Table 12) by the maximum demand in a 30 minute period within the on-peak period defined below at the connection point (expressed in kW) measured over a billing period which is payable each day;

c. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in Table 12) by the quantity of on-peak electricity consumed at the connection point (expressed in kWh);

d. a shoulder use of system variable charge calculated by multiplying the shoulder energy price (detailed in Table 12) by the quantity of shoulder period electricity consumed at the connection point (expressed in kWh);

e. an off-peak use of system variable charge calculated by multiplying the off-peak energy price (detailed in Table 12) by the quantity of off-peak electricity consumed at the connection point (expressed in kWh); and

f. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

Notes:

1. The on-peak, off-peak and shoulder periods for these tariffs are defined in the following table (all times are WST):

Table 7: On shoulder and off-peak for RT19

Monday – Friday (excludes public holidays)				Saturday – Sunday (includes public holidays)
Off-peak	**Shoulder**	**On-Peak**	**Off-Peak**	**Off-Peak**
12:00am – 12:00pm	12:00pm – 3:00pm	3:00pm – 9:00pm	9:00pm – 12:00am	All times

5.14 Reference tariff 20 (RT20)

RT20 consist of:

a. a fixed use of system charge (detailed in Table 12) which is payable each day;

b. a demand based charge calculated by multiplying the demand charge (detailed in Table 12) by the maximum demand in a 30 minute period within the on-peak period defined below at the connection point (expressed in kVA) measured over a billing period which is payable each day;

c. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in Table 12) by the quantity of on-peak electricity consumed at the connection point (expressed in kWh);

d. a shoulder use of system variable charge calculated by multiplying the shoulder energy price (detailed in Table 12) by the quantity of shoulder period electricity consumed at the connection point (expressed in kWh);

e. an off-peak use of system variable charge calculated by multiplying the off-peak energy price (detailed in Table 12) by the quantity of off-peak electricity consumed at the connection point (expressed in kWh); and

f. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

Notes:

1. The on-peak, off-peak and shoulder periods for these tariffs are defined in the following table (all times are WST):

Table 8: On, shoulder and off-peak for RT20

Monday – Friday (excludes public holidays)				Saturday – Sunday (includes public holidays)
Off-peak	**Shoulder**	**On-Peak**	**Off-Peak**	**Off-Peak**
12:00am – 12:00pm	12:00pm – 3:00pm	3:00pm – 9:00pm	9:00pm – 12:00am	All times

5.15 Reference tariff 21 (RT21)

RT21 consist of:

a. a fixed use of system charge (detailed in Table 13) which is payable each day;

b. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in Table 13) by the quantity of on-peak electricity consumed at the connection point (expressed in kWh);

c. a shoulder use of system variable charge calculated by multiplying the shoulder energy price (detailed in Table 13) by the quantity of shoulder period electricity consumed at the connection point (expressed in kWh);

d. an off-peak use of system variable charge calculated by multiplying the off-peak energy price (detailed in Table 13) by the quantity of off-peak electricity consumed at the connection point (expressed in kWh);

e. an overnight use of system variable charge calculated by multiplying the overnight energy price (detailed in Table 13) by the quantity of overnight electricity consumed at the connection point (expressed in kWh); and

f. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

Notes:

1. The on-peak, off-peak, shoulder and overnight periods for this tariff are defined in the following table (all times are WST):

Table 9: On, shoulder, overnight and off-peak for RT21

Monday – Friday (excludes public holidays)					Saturday – Sunday (includes public holidays)	
Off-Peak	**Shoulder**	**On-Peak**	**Off-Peak**	**Overnight**	**Off-Peak**	**Overnight**
4:00am – 7:00am	7:00am – 3:00 pm	3:00pm – 9:00pm	9:00pm – 11:00pm	11:00pm – 4:00am	4:00am – 11:00pm	11:00pm – 4:00am

5.16 Reference tariff 22 (RT22)

RT22 consist of:

a. a fixed use of system charge (detailed in Table 13) which is payable each day;

b. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in Table 13) by the quantity of on-peak electricity consumed at the connection point (expressed in kWh);

c. a shoulder use of system variable charge calculated by multiplying the shoulder energy price (detailed in Table 13) by the quantity of shoulder period electricity consumed at the connection point (expressed in kWh);

d. an off-peak use of system variable charge calculated by multiplying the off-peak energy price (detailed in Table 13) by the quantity of off-peak electricity consumed at the connection point (expressed in kWh);

e. a super off-peak use of system variable charge calculated by multiplying the super off-peak energy price (detailed in Table 13) by the quantity of super off-peak electricity consumed at the connection point (expressed in kWh);

f. an overnight use of system variable charge calculated by multiplying the overnight energy price (detailed in Table 13) by the quantity of overnight electricity consumed at the connection point (expressed in kWh); and

g. a fixed metering charge per revenue meter calculated in accordance with section 8.2.3 (detailed in Table 21 and Table 22) which is payable each day.

Notes:

1. The on-peak, off-peak, shoulder, super off-peak and overnight periods for these tariffs are defined in the following table (all times are WST):

Table 10: On, shoulder, off and super off peak for RT22

Monday – Friday (excludes public holidays)					Saturday – Sunday (includes public holidays)	
Off-peak	**Shoulder**	**On-Peak**	**Off-Peak**	**Overnight**	**Off-Peak**	**Super Off-Peak**
4:00am – 7:00am	7:00am – 3:00 pm	3:00pm – 9:00pm	9:00pm – 11:00pm	11:00pm – 4:00am	4:00am – 11:00pm	11:00pm – 4:00am

6. Transmission tariffs

6.1 Transmission reference tariff 1 (TRT1)

6.1.1 Tariff calculation

TRT1 consists of:

a. a user-specific charge that is to be an amount per day which reflects the costs to Western Power of providing the Connection Assets under an Access Contract, which may consist of capital and non-capital costs;

b. a variable use of system charge calculated by multiplying the applicable use of system price (detailed in Table 26) or where there is no applicable use of system price in Table 26 for the exit point, the price calculated by Western Power in accordance with Appendix A of the Price List Information) by the contracted maximum demand (CMD) at the exit point (expressed in kW);

c. a variable common service charge calculated by multiplying the common service price (detailed in Table 28) by the CMD at the exit point (expressed in kW);

d. a variable control system service charge calculated by multiplying the control system service price (detailed in Table 30) by the CMD at the exit point (expressed in kW);

e. a fixed metering charge per revenue meter (detailed in Table 21) which is payable each day; and

f. excess network usage charges calculated in accordance with section 6.1.2 (if applicable).

6.1.2 Excess network usage charges

An additional charge applies to this tariff where the peak half-hourly demand exceeds the nominated CMD during the billing period of the load.

The excess network usage charge (ENUC) is calculated by applying a factor to the excess usage as follows:

ENUC = ENUM * (PD – CMD) * (UOS + CON + CS + CSS) / CMD

Where

ENUM	is the Excess network usage multiplier factor, which is defined in Table 31;
PD	is the peak half-hourly demand during the billing period of the load (expressed in kW);
CMD	is the nominated CMD for the billing period of the load (expressed in kW);
UOS	is the applicable variable use of system charge for the billing period for the nominated CMD;
CON	is the applicable user-specific charge for the billing period;
CS	is the applicable variable common service charge for the billing period for the nominated CMD;
CSS	is the applicable variable control system service charge for the billing period for the nominated CMD;

Notes:

1. The ENUC does not include the metering components of the tariff.
2. If the connection point is subject to the Capacity (Swap) Allocation (Business) Exit Service, for the purposes of the ENUC calculation above the CMD is the total contracted capacity allocated to the connection point from time to time pursuant to the capacity allocation arrangement.
3. If this tariff applies in relation to a connection point the subject of a capacity allocation arrangement pursuant to reference services D4 and D5 as set out in Appendix E of the Access Arrangement, then the charge to each user at this connection point for the duration of the capacity allocation arrangement is the sum of all tariff components a to d, multiplied by the percentage of the contracted capacity allocated to the user pursuant to the capacity allocation arrangement as compared to the total contracted capacity at the connection point.

6.2 Transmission reference tariff 2 (TRT2)

6.2.1 Tariff calculation

TRT2 consists of:

a. a user-specific charge that is to be an amount per day which reflects the costs to Western Power of providing the Connection Assets under an Access Contract, which may consist of capital and non-capital costs;

b. a variable use of system charge calculated by multiplying the applicable use of system price (detailed in Table 27) or where there is no applicable use of system price in Table 27 for the entry point, the price calculated by Western Power in accordance with Appendix A of the Price List Information) by the declared sent-out capacity (DSOC) at the entry point (expressed in kW);

c. a variable control system service charge calculated by multiplying the control system service price (detailed in Table 29 by the nameplate output of the generator at the entry point (expressed in kW);

d. a fixed metering charge per revenue meter (detailed in Table 21) which is payable each day; and

e. excess network usage charges calculated in accordance with section 6.2.2 (if applicable).

6.2.2 Excess network usage charges

An additional charge applies to this tariff where the peak half-hourly demand exceeds the nominated DSOC during the billing period except where Western Power deems the export of power in excess of DSOC was required for power system reliability and security purposes.

The excess network usage charge (ENUC) is calculated by applying a factor to the excess usage as follows:

$$ENUC = ENUM * (PD – DSOC) * (UOS + CON + CSS) / DSOC$$

Where

ENUM	is the Excess network usage multiplier factor, which is defined in Table 31;
PD	is the peak half-hourly demand during the billing period (expressed in kW);
DSOC	is the nominated DSOC for the billing period (expressed in kW);
UOS	is the applicable variable use of system charge for the billing period for the nominated DSOC;

CON is the applicable user-specific charge for the billing period; and

CSS is the applicable variable control system service charge for the billing period.

Notes:

1. The ENUC does not include the metering components of the tariff.
2. If the connection point is subject to the Capacity (Swap) Allocation (Business) Entry Service, for the purposes of the ENUC calculation above the CMD is the total contracted capacity allocated to the connection point from time to time pursuant to the capacity allocation arrangement.
3. If this tariff applies in relation to a connection point the subject of a capacity allocation arrangement pursuant to reference services D4 and D5 as set out in Appendix E of the Access Arrangement, then the charge to each user at this connection point for the duration of the capacity allocation arrangement is the sum of all tariff components a to d, multiplied by the percentage of the contracted capacity allocated to the user pursuant to the capacity allocation arrangement as compared to the total contracted capacity at the connection point.

7. Other tariffs

7.1 Reference Tariff 23 (RT23)

7.1.1 Tariff calculation

RT23 consists of:

a. the reference tariff (RT11) applicable to the entry reference service B1 upon which the B3 – Entry Service Facilitating a Distributed Generation or Other Non-Network Solution is provided; less

b. the discount that applies to the connection point as set out in clause 7.1.2 below.

7.1.2 Discount

Western Power will provide a discount to RT11 in circumstances where the service allows for facilities and equipment connected behind the connection point (including distributed generating plant and other non-network solutions) that results in Western Power's capital-related costs or non-capital costs reducing as a result of the entry point for the distributed generating plant or other non-network solution being located in that particular part of the covered network.

In situations where a user connects facilities and equipment (including distributed generating plant) to the Western Power Network and has applied and been assessed as resulting in Western Power's capital-related costs or non-capital costs reducing as a result of the entry point for the distributed generating plant or other non-network solution being located in that particular part of the covered network, the discount to be applied is an annualised discount amount (which can be no greater than the annual charge), calculated as the present value of FCp less FCn over a period of Y years using discount rate W.

Where:

FCp is the present value of the Western Power committed forecast capital-related costs and non-capital costs that would be incurred over Y years if the facilities and equipment (including distributed generating plant) were not to connect to the Western Power Network.

FCn is the present value of Western Power's forecast capital-related costs and non-capital costs over Y years that are anticipated to be incurred if the facilities and equipment (including distributed generating plant) were to connect to the Western Power Network.

Y is the period over which the present value assessment is to occur which is 15 years unless otherwise agreed between Western Power and the user.

W is the Weighted Average Cost of Capital as set out in section 5.4 of the Access Arrangement that applies in the pricing year.

7.2 Reference Tariff 24 (RT24)

7.2.1 Tariff calculation

RT24 consists of:

a. the reference tariff (RT5 - RT8 and RT13 - RT22) applicable to the bi-directional reference service identified from C1 to C14 upon which the C15 - Bi-directional Service Facilitating a Distributed Generation or Other Non-Network Solution is provided; less

b. the discount that applies to the connection point as set out in clause 7.2.2 below.

7.2.2 Discount

Western Power will provide a discount to (RT13 - RT22 and RT5 - RT8) in circumstances where the service allows for facilities and equipment connected behind the connection point (including distributed generating plant and other non-network solutions) that results in Western Power's capital-related costs or non-capital costs reducing as a result of the entry point for the distributed generating plant or other non-network solution being located in that particular part of the covered network.

In situations where a user connects facilities and equipment (including distributed generating plant) to the Western Power Network and has applied and been assessed as resulting in Western Power's capital-related costs or non-capital costs reducing as a result of the entry point for the distributed generating plant or other non-network solution being located in that particular part of the covered network, the discount to be applied is an annualised discount amount (which can be no greater than the annual charge), calculated as the present value of FCp less FCn over a period of Y years using discount rate W.

Where:

FCp	is the present value of the Western Power forecast capital-related costs and non-capital costs that would be incurred over Y years if the facilities and equipment (including distributed generating plant) were not to connect to the Western Power Network.
FCn	is the present value of Western Power's forecast capital-related costs and non-capital costs over Y years that are anticipated to be incurred if the facilities and equipment (including distributed generating plant) were to connect to the Western Power Network.
Y	is the period over which the present value assessment is to occur which is 15 years unless otherwise agreed between Western Power and the user.
W	is the Weighted Average Cost of Capital as set out in section 5.4 of the Access Arrangement that applies in the pricing year.

7.3 Reference Tariff 25 (RT25)

7.3.1 Tariff calculation

RT25 consists of a charge per connection point supply abolishment (detailed in Table 32).

7.4 Reference Tariff 26 (RT26)

7.4.1 Tariff calculation

RT26 consists of a charge per request to remotely control load (detailed in Table 33).

7.5 Reference Tariff 27 (RT27)

7.5.1 Tariff calculation

RT27 consists of a charge per request to remotely limit load (detailed in Table 33).

7.6 Reference Tariff 28 (RT28)

7.6.1 Tariff calculation

RT28 consists of a charge per request for de-energisation (detailed in Table 33).

7.7 Reference Tariff 29 (RT29)

7.7.1 Tariff calculation

RT29 consists of a charge per request for re-energisation (detailed in Table 33).

7.8 Reference Tariff 30 (RT30)

7.8.1 Tariff calculation

RT30 consists of a user-specific charge that is to be an amount which reflects the costs to Western Power of replacing the existing streetlight with the LED streetlight replacement requested by the user which may consist of capital and non-capital costs.

8. Price tables

The tables in the following sections must be used in conjunction with the details in the sections above.

Table 18, Table 26 and Table 27 include a Transmission Node Identity (TNI) to uniquely identify zone substations.

All prices quoted in this Price List are **GST exclusive**.

8.1 Prices for energy-based tariffs on the distribution network

8.1.1 Use of system prices

The prices in the following tables are applicable for reference tariffs **RT1, RT2, RT3, RT4, RT9, RT10, RT13, RT14, RT15, RT16, RT 17, RT18, RT19, RT20, RT21 and RT22.**

Table 11: Reference tariffs prices for RT1, RT2, RT3, RT4, RT9, RT10, RT13, RT14, RT15, RT16, RT17 and RT18

	Fixed Price	Energy Rates			
	c/day	Anytime c/kWh	On-Peak c/kWh	Shoulder c/kWh	Off-peak c/kWh
Reference tariff 1 - RT1					
Transmission	0.000	2.838			
Distribution	87.124	6.098			
Bundled tariff	87.124	8.936			
Reference tariff 2 - RT2					
Transmission	0.000	3.330			
Distribution	163.550	8.653			
Bundled tariff	163.550	11.983			
Reference tariff 3 - RT3					
Transmission	0.000		5.102		1.101
Distribution	87.124		10.575		2.354
Bundled tariff	87.124		15.677		3.455
Reference tariff 4 - RT4					
Transmission	0.000		5.005		1.217
Distribution	299.411		11.866		2.657
Bundled tariff	299.411		16.871		3.874
Reference tariff 9 – RT9					

Transmission	0.000	1.670			
Distribution	7.264	3.297			
Bundled tariff	7.264	4.967			
Reference tariff 10 – RT10					
Transmission	0.000	1.113			
Distribution	56.043	3.612			
Bundled tariff	56.043	4.725			
Reference tariff 13 - RT13					
Transmission	0.000	2.838			
Distribution	87.124	6.098			
Bundled tariff	87.124	8.936			
Reference tariff 14 - RT14					
Transmission	0.000	3.330			
Distribution	163.550	8.653			
Bundled tariff	163.550	11.983			
Reference tariff 15 - RT15					
Transmission	0.000		5.102		1.101
Distribution	87.124		10.575		2.354
Bundled tariff	87.124		15.677		3.455
Reference tariff 16 - RT16					
Transmission	0.000		5.005		1.217
Distribution	299.411		11.866		2.657
Bundled tariff	299.411		16.871		3.874
Reference tariff 17 - RT17					
Transmission	0.000		2.876	2.601	2.211
Distribution	87.124		7.655	4.555	2.454
Bundled tariff	87.124		10.531	7.156	4.665
Reference tariff 18 - RT18					
Transmission	0.000		3.558	3.225	2.957
Distribution	163.550		13.775	8.777	5.277
Bundled tariff	163.550		17.333	12.002	8.234

Table 12: Reference tariffs for RT19 and RT20

	Fixed Price	Energy Rates			
	c/day	Demand RT19 – c/kW/day RT20 – c/kVA/day	On-Peak c/kWh	Shoulder c/kWh	Off-Peak c/kWh
Reference tariff 19 - RT19					
Transmission	0.000	1.855	2.588	2.341	1.990
Distribution	87.124	3.544	6.874	4.095	2.251
Bundled tariff	87.124	5.399	9.462	6.436	4.241
Reference tariff 20 - RT20					
Transmission	0.000	2.211	3.158	2.871	2.605
Distribution	205.314	4.122	12.774	7.477	4.677
Bundled tariff	205.314	6.333	15.932	10.348	7.282

Table 13: Reference tariffs for RT21 and RT22

	Fixed Price	Energy Rates				
	c/day	On-Peak c/kWh	Shoulder c/kWh	Off-Peak c/kWh	Overnight c/kWh	Super Off-Peak c/kWh
Reference tariff 21 – RT21						
Transmission	0.000	2.698	2.453	2.230	2.230	
Distribution	87.124	7.902	4.727	2.660	2.660	
Bundled tariff	87.124	10.600	7.180	4.890	4.890	
Reference tariff 22 - RT22						
Transmission	0.000	3.259	2.962	2.692	2.692	2.692
Distribution	163.550	14.159	8.811	5.285	5.285	5.285
Bundled tariff	163.550	17.418	11.773	7.977	7.977	7.977

8.1.2 Streetlight asset prices

The prices in the following tables are applicable for reference tariff **RT9**.

Table 14: Current light types

Light specification	Daily charge (No contribution) c/day	Daily charge (Full upfront contribution) c/day
42W CFL SE	25.153	n/a
42W CFL BH	26.731	n/a
42W CFL KN	30.124	n/a
70W MH	43.969	n/a
70W HPS	21.625	n/a
125W MV	26.175	n/a
150W MH	50.798	n/a
150W HPS	28.446	n/a
250W MH	50.798	n/a
250W HPS	28.446	n/a
Standard LED 20W	13.368	8.508
Standard LED 36W	13.368	8.508
Standard LED 53W	13.476	8.508
Standard LED 80W	13.346	8.508
Standard LED 160W	14.643	8.508
Standard LED 170W	14.643	8.508
Decorative BH LED 17W	24.885	8.508
Decorative KN LED 17W	27.284	8.508
Decorative LED 34W	27.219	8.508
Decorative LED 42W	24.885	8.508
Decorative LED 80W	28.580	8.508
Decorative LED 100W	32.103	8.508
Decorative LED 155W	32.103	8.508

Table 15: Obsolete light types

Light specification	Daily charge c/day
50W MV	16.098
70W MV	21.667
80W MV	21.667
150W MV	26.939
250W MV	35.140
400W MV	36.895
40W FLU	16.098
80W HPS	22.256
125W HPS	29.277
100W INC	16.098
80W MH	21.667
125W MH	52.282
22W LED	13.368

8.2 Prices for demand-based tariffs on the distribution network (RT5 to RT8 and RT11[1])

8.2.1 Demand charges

The prices in the following table are applicable for reference tariff **RT5**.

Table 16: Prices for reference tariff RT5

	Transmission		Distribution		Bundled tariff	
Demand (kVA) (Lower to upper threshold)	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day
0 to 300	0.000	29.657	185.444	60.254	185.444	89.911
300 to 1000	8,897.100	21.444	18,076.200	43.898	26,973.300	65.342
1000 to 1500	23,907.900	11.899	48,804.800	18.968	72,712.700	30.867

1 Note that some components of RT11 are in section 8.3

The prices in the following table are applicable for reference tariff **RT6**.

Table 17: Prices for reference tariff RT6

Demand (kVA) (Lower to upper threshold)	Transmission		Distribution		Bundled tariff	
	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day
0 to 300	0.000	29.111	1,070.155	62.748	1,070.155	91.859
300 to 1000	8,733.300	22.125	18,824.400	48.755	27,557.700	70.880
1000 to 1500	24,220.800	12.111	52,952.900	24.660	77,173.700	36.771

The prices in the following table are applicable for reference tariffs **RT7** and **RT8**.

Table 18: Prices for reference tariffs RT7 and RT8

Zone substation	TNI	Pricing zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)
Cook Street	WCKT	CBD	17,969.916	18.488	18.414	32,433.425	10.587	13.708	50,403.341	29.075	32.122
Forrest Avenue	WFRT	CBD	17,969.916	18.488	18.414	32,433.425	10.587	13.708	50,403.341	29.075	32.122
Hay Street	WHAY	CBD	17,969.916	18.488	18.414	32,433.425	10.587	13.708	50,403.341	29.075	32.122
Milligan Street	WMIL	CBD	17,969.916	18.488	18.414	32,433.425	10.587	13.708	50,403.341	29.075	32.122
Wellington Street	WWNT	CBD	17,969.916	18.488	18.414	32,433.425	10.587	13.708	50,403.341	29.075	32.122
Black Flag	WBKF	Mining	17,969.916	36.636	33.969	32,433.425	5.532	9.375	50,403.341	42.168	43.344
Boulder	WBLD	Mining	17,969.916	33.825	31.560	32,433.425	5.532	9.375	50,403.341	39.357	40.935
Bounty	WBNY	Mining	17,969.916	64.300	57.681	32,433.425	5.532	9.375	50,403.341	69.832	67.056
West Kalgoorlie	WWKT	Mining	17,969.916	30.218	28.468	32,433.425	5.532	9.375	50,403.341	35.750	37.843
Albany	WALB	Mixed	17,969.916	35.021	32.585	32,433.425	12.538	15.380	50,403.341	47.559	47.965
Boddington	WBOD	Mixed	17,969.916	16.998	17.137	32,433.425	12.538	15.380	50,403.341	29.536	32.517
Bunbury Harbour	WBUH	Mixed	17,969.916	16.621	16.814	32,433.425	12.538	15.380	50,403.341	29.159	32.194
Busselton	WBSN	Mixed	17,969.916	24.191	23.302	32,433.425	12.538	15.380	50,403.341	36.729	38.682

Zone substation	TNI	Pricing zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)
Byford	WBYF	Mixed	17,969.916	17.877	17.890	32,433.425	12.538	15.380	50,403.341	30.415	33.270
Capel	WCAP	Mixed	17,969.916	21.479	20.978	32,433.425	12.538	15.380	50,403.341	34.017	36.358
Chapman	WCPN	Mixed	17,969.916	28.713	27.178	32,433.425	12.538	15.380	50,403.341	41.251	42.558
Darlington	WDTN	Mixed	17,969.916	19.992	19.703	32,433.425	12.538	15.380	50,403.341	32.530	35.083
Durlacher Street	WDUR	Mixed	17,969.916	25.910	24.776	32,433.425	12.538	15.380	50,403.341	38.448	40.156
Eneabba	WENB	Mixed	17,969.916	24.337	23.427	32,433.425	12.538	15.380	50,403.341	36.875	38.807
Geraldton	WGTN	Mixed	17,969.916	25.910	24.776	32,433.425	12.538	15.380	50,403.341	38.448	40.156
Marriott Road	WMRR	Mixed	17,969.916	16.046	16.321	32,433.425	12.538	15.380	50,403.341	28.584	31.701
Muchea	WMUC	Mixed	17,969.916	19.827	19.562	32,433.425	12.538	15.380	50,403.341	32.365	34.942
Northam	WNOR	Mixed	17,969.916	26.830	25.564	32,433.425	12.538	15.380	50,403.341	39.368	40.944
Picton	WPIC	Mixed	17,969.916	17.965	17.966	32,433.425	12.538	15.380	50,403.341	30.503	33.346
Rangeway	WRAN	Mixed	17,969.916	27.629	26.249	32,433.425	12.538	15.380	50,403.341	40.167	41.629
Sawyers Valley	WSVY	Mixed	17,969.916	24.551	23.611	32,433.425	12.538	15.380	50,403.341	37.089	38.991
Yanchep	WYCP	Mixed	17,969.916	19.757	19.502	32,433.425	12.538	15.380	50,403.341	32.295	34.882
Yilgarn	WYLN	Mixed	17,969.916	32.699	30.595	32,433.425	12.538	15.380	50,403.341	45.237	45.975
Baandee	WBDE	Rural	17,969.916	36.545	33.891	32,433.425	5.384	9.248	50,403.341	41.929	43.139
Beenup	WBNP	Rural	17,969.916	39.334	36.282	32,433.425	5.384	9.248	50,403.341	44.718	45.530
Bridgetown	WBTN	Rural	17,969.916	23.787	22.956	32,433.425	5.384	9.248	50,403.341	29.171	32.204
Carrabin	WCAR	Rural	17,969.916	40.193	37.018	32,433.425	5.384	9.248	50,403.341	45.577	46.266
Cataby	WCTB	Rural	17,969.916	24.619	23.669	32,433.425	5.384	9.248	50,403.341	30.003	32.917
Collie	WCOE	Rural	17,969.916	28.217	26.753	32,433.425	5.384	9.248	50,403.341	33.601	36.001
Coolup	WCLP	Rural	17,969.916	31.856	29.872	32,433.425	5.384	9.248	50,403.341	37.240	39.120
Cunderdin	WCUN	Rural	17,969.916	33.603	31.370	32,433.425	5.384	9.248	50,403.341	38.987	40.618
Katanning	WKAT	Rural	17,969.916	30.619	28.812	32,433.425	5.384	9.248	50,403.341	36.003	38.060
Kellerberrin	WKEL	Rural	17,969.916	35.573	33.058	32,433.425	5.384	9.248	50,403.341	40.957	42.306
Kojonup	WKOJ	Rural	17,969.916	21.089	20.643	32,433.425	5.384	9.248	50,403.341	26.473	29.891
Kondinin	WKDN	Rural	17,969.916	22.751	22.068	32,433.425	5.384	9.248	50,403.341	28.135	31.316

Zone substation	TNI	Pricing zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)
Manjimup	WMJP	Rural	17,969.916	23.593	22.790	32,433.425	5.384	9.248	50,403.341	28.977	32.038
Margaret River	WMRV	Rural	17,969.916	30.731	28.908	32,433.425	5.384	9.248	50,403.341	36.115	38.156
Merredin	WMER	Rural	17,969.916	32.219	30.183	32,433.425	5.384	9.248	50,403.341	37.603	39.431
Moora	WMOR	Rural	17,969.916	23.847	23.007	32,433.425	5.384	9.248	50,403.341	29.231	32.255
Mount Barker	WMBR	Rural	17,969.916	32.123	30.101	32,433.425	5.384	9.248	50,403.341	37.507	39.349
Narrogin	WNGN	Rural	17,969.916	36.305	33.686	32,433.425	5.384	9.248	50,403.341	41.689	42.934
Pinjarra	WPNJ	Rural	17,969.916	16.824	16.988	32,433.425	5.384	9.248	50,403.341	22.208	26.236
Regans	WRGN	Rural	17,969.916	24.619	23.669	32,433.425	5.384	9.248	50,403.341	30.003	32.917
Three Springs	WTSG	Rural	17,969.916	23.773	22.944	32,433.425	5.384	9.248	50,403.341	29.157	32.192
Wagerup	WWGP	Rural	17,969.916	16.008	16.288	32,433.425	5.384	9.248	50,403.341	21.392	25.536
Wagin	WWAG	Rural	17,969.916	31.057	29.187	32,433.425	5.384	9.248	50,403.341	36.441	38.435
Wundowie	WWUN	Rural	17,969.916	27.063	25.764	32,433.425	5.384	9.248	50,403.341	32.447	35.012
Yerbillon	WYER	Rural	17,969.916	39.146	36.121	32,433.425	5.384	9.248	50,403.341	44.530	45.369
Amherst	WAMT	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Arkana	WARK	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Australian Paper Mills	WAPM	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Balcatta	WBCT	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Beechboro	WBCH	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Belmont	WBEL	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Bentley	WBTY	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Bibra Lake	WBIB	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
British Petroleum	WBPM	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Canning Vale	WCVE	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Clarence Street	WCLN	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Clarkson	WCKN	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Cockburn Cement	WCCT	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317

Zone substation	TNI	Pricing zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)
Collier	WCOL	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Cottesloe	WCTE	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Edmund Street	WEDD	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Forrestfield	WFFD	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Gosnells	WGNL	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Hadfields	WHFS	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Hazelmere	WHZM	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Henley Brook	WHBK	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Herdsman Parade	WHEP	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Joel Terrace	WJTE	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Joondalup	WJDP	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Kalamunda	WKDA	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Kambalda	WKBA	Urban	17,969.916	33.589	31.358	32,433.425	2.161	6.486	50,403.341	35.750	37.844
Kewdale	WKDL	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Landsdale	WLDE	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Maddington	WMDN	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Malaga	WMLG	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Mandurah	WMHA	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Manning Street	WMAG	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Mason Road	WMSR	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Meadow Springs	WMSS	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Medical Centre	WMCR	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Medina	WMED	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Midland Junction	WMJX	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Morley	WMOY	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Mullaloo	WMUL	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317

Zone substation	TNI	Pricing zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)
Mundaring Weir	WMWR	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Munday	WMDY	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Murdoch	WMUR	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Myaree	WMYR	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Nedlands	WNED	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
North Beach	WNBH	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
North Fremantle	WNFL	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
North Perth	WNPH	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
O'Connor	WOCN	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Osborne Park	WOPK	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Padbury	WPBY	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Piccadilly	WPCY	Urban	17,969.916	31.619	29.669	32,433.425	2.161	6.486	50,403.341	33.780	36.155
Riverton	WRTN	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Rivervale	WRVE	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Rockingham	WROH	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Shenton Park (Old)	WSPA	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Shenton Park (New)	WSPK	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Sth Ftle Power Station	WSFT	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Southern River	WSNR	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Tate Street	WTTS	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
University	WUNI	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Victoria Park	WVPA	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Waikiki	WWAI	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Wangara	WWGA	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Wanneroo	WWNO	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Welshpool	WWEL	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317

Zone substation	TNI	Pricing zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000 (c/kVA/day)	Demand Charge for kVA > 7000 (c/kVA/day)
Wembley Downs	WWDN	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Willetton	WWLN	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317
Yokine	WYKE	Urban	17,969.916	18.975	18.831	32,433.425	2.161	6.486	50,403.341	21.136	25.317

8.2.2 Demand length charges

The prices in the following table are applicable for reference tariffs **RT5, RT6, RT7, RT8** and **RT11** and the CMD/DSOC is between 1,000 and 7,000 kVA.

Table 19: Reference for tariffs RT5, RT6, RT7, RT8 and RT11

Pricing zone	Demand-Length Charge	
	For kVA >1000 and first 10 km length (c/kVA.km/day)	For kVA >1000 and length in excess of 10 km (c/kVA.km/day)
CBD	0.000	0.000
Urban	1.705	1.205
Mining	0.365	0.255
Mixed	0.795	0.550
Rural	0.495	0.345

The prices in the following table are applicable for reference tariffs **RT7, RT8** and **RT11** and the CMD/DSOC is at least 7,000 kVA.

Table 20: Reference tariffs RT7, RT8 and RT11

	Demand-Length Charge	
Pricing zone	For first 10 km length (c/kVA.km/day)	For length in excess of 10 km (c/kVA.km/day)
CBD	0.000	0.000
Urban	1.460	1.025
Mining	0.315	0.220
Mixed	0.685	0.475

Pricing zone	Demand-Length Charge	
	For first 10 km length (c/kVA.km/day)	For length in excess of 10 km (c/kVA.km/day)
Rural	0.430	0.295

8.2.3 Metering prices

The prices in the following table are applicable for all reference tariffs (excluding RT9, RT10, RT25, RT26, RT27, RT28 and RT29).

The total metering price payable is the sum of the applicable charge in Table 21, which is based on the reference tariff of the connection point and the charge in table 22, which is based on the metering reference service applicable to the connection point, or as selected by the retailer. The applicable metering reference service for each reference service is defined in Appendix E, table E.1.2[2].

Note that for billing purposes, Western Power will calculate the total metering charge per connection point (a sum of the relevant charge in Table 21 and Table 22) as a single daily charge.

For the purposes of the Metering Model Service Level Agreement, the charges in Table 22 (M1 – M15) are considered to be the incremental fees involved in providing the additional metering services.

Table 21: Metering prices[3]

Reference Tariff	c/revenue meter/day
RT1	6.670
RT2	7.040
RT3	6.935
RT4	10.940
RT5 – RT8	12.060
RT11	12.060
RT13	6.653
RT14	7.680
RT15	6.673
RT16	11.904
RT17	12.060
RT18	12.060
RT19	12.060
RT20	12.060

2 https://www.erawa.com.au/cproot/20419/2/ERA-Approved---Appendix-E---Reference-Services.pdf

3 Additional charges will apply if the user has selected a non-standard metering service for the relevant exit, entry or bi-directional service. The charge will reflect Western Power's incremental costs of providing the additional metering services and may consist of capital and non-capital costs.

Reference Tariff	c/revenue meter/day
RT21	12.060
RT22	12.060
TRT1 and TRT2	896.159

Table 22: Metering reference service prices

Metering Reference Service	c/revenue meter/day
M1	2.028
M2	2.028
M3	23.145
M4	46.290
M5	12.368
M6	12.368
M7	107.213
M8	2.028
M9	2.028
M10	23.145
M11	46.290
M12	12.368
M13	12.368
M14	107.213
M15	0.000

8.2.4 Administration charges

The prices in the following table are applicable for reference tariffs **RT7** and **RT8**.

Table 23: Administration charges for RT7 and RT8

CMD	Price (c/day)
>=7,000 kVA	8,877.00
<7,000 kVA	5,097.00

8.2.5 LV prices

The prices in the following table are applicable for reference tariff **RT8**.

Table 24: LV prices RT8

Category	Price (c/day)
Fixed	1,101.980
Demand	10.744 / kVA

8.2.6 Connection price

The prices in the following table are applicable for reference tariff **RT11**.

Table 25: Connection Price RT11

	Connection Price (c/kW/day)
Connection price	1.568

8.3 Transmission prices

8.3.1 Use of system prices

The prices in the following table are applicable for reference tariff **TRT1**.

Table 26: Transmission prices TRT1

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	16.689
Alcoa Pinjarra	WAPJ	4.733
Amherst	WAMT	3.972
Arkana	WARK	5.070
Australian Fused Materials	WAFM	3.292
Australian Paper Mills	WAPM	5.133
Baandee (WC)	WBDE	17.888
Balcatta	WBCT	5.195
Beckenham	WBEC	13.105
Beechboro	WBCH	4.614
Beenup	WBNP	20.013
Belmont	WBEL	4.089
Bentley	WBTY	5.322
Bibra Lake	WBIB	3.655

Substation	TNI	Use of System Price (c/kW/day)
Binningup Desalination Plant	WBDP	2.823
Black Flag	WBKF	18.241
Boddington Gold Mine	WBGM	3.062
Boddington	WBOD	2.984
Boulder	WBLD	16.081
Bounty	WBNY	39.504
Bridgetown	WBTN	8.174
British Petroleum	WBPM	7.058
Broken Hill Kwinana	WBHK	5.508
Bunbury Harbour	WBUH	2.699
Busselton	WBSN	8.454
Byford	WBYF	3.653
Canning Vale	WCVE	4.177
Capel	WCAP	6.392
Carrabin	WCAR	20.666
Cataby Kerr McGee	WKMC	7.623
Chapman	WCPN	11.892
Clarence Street	WCLN	6.864
Clarkson	WCKN	5.177
Cockburn Cement	WCCT	2.869
Cockburn Cement Ltd	WCCL	2.860
Collie	WCOE	11.548
Collier	WCOL	6.832
Cook Street	WCKT	4.916
Coolup	WCLP	14.318
Cottesloe	WCTE	5.324
Cunderdin	WCUN	15.650
Darlington	WDTN	5.263
Edgewater	WEDG	4.558
Edmund Street	WEDD	4.690

Substation	TNI	Use of System Price (c/kW/day)
Eneabba	WENB	8.564
Forrest Ave	WFRT	6.873
Forrestfield	WFFD	5.388
Geraldton	WGTN	9.761
Glen Iris	WGNI	3.185
Golden Grove	WGGV	25.582
Gosnells	WGNL	4.337
Hadfields	WHFS	5.212
Hay Street	WHAY	5.212
Hazelmere	WHZM	4.040
Henley Brook	WHBK	4.454
Herdsman Parade	WHEP	7.905
Joel Terrace	WJTE	7.174
Joondalup	WJDP	4.885
Kalamunda	WKDA	5.505
Katanning	WKAT	13.377
Kellerberrin	WKEL	17.150
Kewdale	WKDL	4.008
Kojonup	WKOJ	6.120
Kondinin	WKDN	7.386
Kwinana Alcoa	WAKW	1.266
Kwinana Desalination Plant	WKDP	3.477
Kwinana PWS	WKPS	2.539
Landsdale	WLDE	4.698
Maddington	WMDN	4.221
Malaga	WMLG	4.012
Mandurah	WMHA	3.446
Manjimup	WMJP	8.026
Manning Street	WMAG	5.835
Margaret River	WMRV	13.463

Substation	TNI	Use of System Price (c/kW/day)
Marriott Road Barrack Silicon Smelter	WBSI	2.582
Marriott Road	WMRR	2.261
Mason Road	WMSR	2.015
Mason Road CSBP	WCBP	3.048
Mason Road Kerr McGee	WKMK	1.847
Meadow Springs	WMSS	3.908
Medical Centre	WMCR	6.183
Medina	WMED	2.910
Merredin 66kV	WMER	14.594
Midland Junction	WMJX	4.911
Milligan Street	WMIL	5.822
Moora	WMOR	8.220
Morley	WMOY	5.354
Mt Barker	WMBR	14.523
Muchea Kerr McGee	WKMM	7.756
Muchea	WMUC	5.136
Muja PWS	WMPS	1.544
Mullaloo	WMUL	5.046
Munday	WMDY	5.439
Murdoch	WMUR	3.254
Mundaring Weir	WMWR	7.879
Myaree	WMYR	6.216
Narrogin	WNGN	17.705
Nedlands	WNED	5.821
North Beach	WNBH	5.195
North Fremantle	WNFL	5.226
North Perth	WNPH	4.434
Northam	WNOR	10.460
Nowgerup	WNOW	5.992
O'Connor	WOCN	5.421

Substation	TNI	Use of System Price (c/kW/day)
Osborne Park	WOPK	5.634
Padbury	WPBY	5.264
Parkeston	WPRK	18.305
Parklands	WPLD	4.017
Piccadilly	WPCY	14.557
Picton 66kv	WPIC	3.721
Pinjarra	WPNJ	2.873
Rangeway	WRAN	11.069
Regans	WRGN	8.807
Riverton	WRTN	3.597
Rivervale	WRVE	5.592
Rockingham	WROH	3.082
Sawyers Valley	WSVY	8.729
Shenton Park	WSPA	6.055
Southern River	WSNR	3.776
South Fremantle 22kV	WSFT	3.915
Summer St	WSUM	7.405
Sutherland	WSRD	4.434
Tate Street	WTTS	6.253
Three Springs	WTSG	8.164
Three Springs Terminal (Karara)	WTST	19.716
Tomlinson Street	WTLN	6.335
University	WUNI	6.713
Victoria Park	WVPA	6.113
Wagerup	WWGP	2.251
Wagin	WWAG	13.710
Waikiki	WWAI	3.369
Wangara	WWGA	4.824
Wanneroo	WWNO	5.077
Wellington Street	WWNT	7.368

Substation	TNI	Use of System Price (c/kW/day)
Welshpool	WWEL	3.984
Wembley Downs	WWDN	5.945
West Kalgoorlie	WWKT	13.308
Western Collieries	WWCL	2.266
Western Mining	WWMG	2.663
Westralian Sands	WWSD	5.796
Willetton	WWLN	3.828
Worsley	WWOR	1.880
Wundowie	WWUN	10.669
Yanchep	WYCP	5.084
Yerbillon	WYER	19.870
Yilgarn	WYLN	14.924
Yokine	WYKE	5.507

The prices in the following table are applicable for reference tariffs **RT11** and **TRT2**.

Table 27: Reference tariffs RT11 and TRT2

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	2.139
Badgingarra	BGA	2.182
Boulder	WBLD	1.549
Bluewaters	WBWP	2.153
Cockburn PWS	WCKB	1.305
Collgar	WCGW	2.471
Collie PWS	WCPS	2.504
Emu Downs	WEMD	2.182
Geraldton	WGTN	0.366
Greenough Solar Farm	TMGS	0.466
Kemerton PWS	WKEM	1.740
Kwinana Alcoa	WAKW	1.346
Kwinana Donaldson Road	WKND	1.022

Substation	TNI	Use of System Price (c/kW/day)
Kwinana PWS	WKPS	1.305
Landwehr (Alinta)	WLWT	1.624
Mason Road	WMSR	1.022
Merredin Power Station	TMDP	1.799
Muja PWS	WMPS	2.628
Mumbida Wind Farm	TMBW	2.214
Mungarra GTs	WMGA	2.175
Newgen Kwinana	WNGK	1.518
Newgen Neerabup	WGNN	1.338
Oakley (Alinta)	WOLY	1.811
Parkeston	WPKS	1.867
Pinjar GTs	WPJR	1.085
Alcoa Pinjarra	WAPJ	1.902
Tiwest GT	WKMK	1.055
Wagerup	WWGP	1.497
Walkaway Windfarm	WWWF	2.402
West Kalgoorlie GTs	WWKT	1.518
Worsley	WWOR	1.701

8.3.2 Common service prices

The prices in the following table are applicable for reference tariff **TRT1**.

Table 28: Common Service Prices TRT1

	Common Service Price (c/kW/day)
Common service price	4.903

8.3.3 Control system service prices

The prices in the following table are applicable for reference tariffs **RT11** and **TRT2**.

Table 29: Control system service prices for reference tariffs RT11 and TRT2

	Price (c/kW/day)
Control system service price (Generators)	0.213

The prices in the following table are applicable for reference tariff **TRT1**.

Table 30: Control system service prices for reference tariff TRT1

	Price (c/kW/day)
Control system service price (Loads)	1.844

8.4 Excess network usage charges – substation classification

The following table applies to reference tariffs **RT7, RT8, RT11, TRT1** and **TRT2**.

Table 31: Values for ENUM for reference tariffs RT7, RT8, RT11, TRT1 and TRT2

TNI	ENUM
ALB, BKF, BLD, BNY, PCY, PKS, WKT	2.5
All other substations	1

8.5 Other prices

The following table applies to reference tariff **RT25**.

Table 32: Supply abolishment charges for RT25

Location	Charge ($)
Whole current meters metropolitan area[4]	405.73
Whole current meters non-Metropolitan area	516.79
Non- whole current meters	User specific charge which reflects the costs to Western Power of undertaking the requested supply abolishment requested by the user and may consist of capital and non-capital costs.

The following table applies to reference tariff **RT26, RT27, RT28 and RT29**.

[4] As defined in the Electricity Industry (Metering) Code

Table 33: Charges for RT26, RT27, RT28 and RT29

Service	Charge per request ($)
RT26	4.98
RT27	4.98
RT28	4.98
RT29	4.98

9. Applications and Queuing Policy fees

The Applications and Queuing Policy refers to several fees being published in the Price List. These prices are detailed below:

Table 34: Fees payable under the Applications and Queuing Policy

Fee type	Price
New Standard Access Contract Fee	$1,150.00
Access Contract Modification Fee	$140 per modification
Enquiry Fee	$3,500.00
Application Lodgement Fee	$5,000.00
Preliminary Offer Processing Fee	A variable fee
Preliminary Acceptance Fee	A variable fee
Distributed energy or other non-network solution assessment fee (B3 or C15)	A variable fee
Capacity allocation service fee – for a capacity swap reference service (D2 or D3)	$1,750.00
Capacity allocation service fee – for a capacity allocation reference service (D4 or D5)	$140 per modification
Remote load control/limitation/de-energise/re-energise service fee	A variable fee

Table 35: Fees payable under the Applications and Queuing Policy

Application for Reference Service	New Connection Point Fee
A1 – Anytime Energy (Residential) Exit Service	$0.00 per connection point
A2 – Anytime Energy (Business) Exit Service	$0.00 per connection point
A3 – Time of Use Energy (Residential) Exit Service	$0.00 per connection point
A4 – Time of Use Energy (Business) Exit Service	$0.00 per connection point
A5 – High Voltage Metered Demand Exit Service C5 – High Voltage Metered Demand Bi-directional Service	$44.00 per connection point
A6 – Low Voltage Metered Demand Exit Service C6 – Low Voltage Metered Demand Bi-directional Service	$44.00 per connection point
A7 – High Voltage Contract Maximum Demand Exit Service C7 – High Voltage Contract Maximum Demand Bi-directional Service	$88.00 per connection point
A8 – Low Voltage Contract Maximum Demand Exit Service C8 – Low Voltage Contract Maximum Demand Bi-directional Service	$88.00 per connection point
A9 – Streetlighting Exit Service	$0.00 per connection point

Application for Reference Service	New Connection Point Fee
A10 – Unmetered Supplies Exit Service	$0.00 per connection point
A11 – Transmission Exit Service	$175.00 per connection point
B1 – Distribution Entry Service	$175.00 per connection point
B2 – Transmission Entry Service	$175.00 per connection point
B3 – Entry Service Facilitating a Distributed Generation or Other Non-Network Solution	$175.00 per connection point
C1 – Anytime Energy (Residential) Bi-directional Service	$0.00 per connection point
C2 – Anytime Energy (Business) Bi-directional Service	$0.00 per connection point
C3 – Time of Use (Residential) Bi-directional Service	$0.00 per connection point
C4 – Time of Use (Business) Bi-directional Service	$0.00 per connection point
A12 – 3 Part Time of Use Energy (Residential) Exit Service C9 – 3 Part Time of Use Energy (Residential) Bi-directional Service	$0.00 per connection point
A13 – 3 Part Time of Use Energy (Business) Exit Service C10 – 3 Part Time of Use Energy (Business) Bi-directional Service	$0.00 per connection point
A14 – 3 Part Time of Use Demand (Residential) Exit Service C11 – 3 Part Time of Use Demand (Residential) Bi-directional Service	$0.00 per connection point
A15 – 3 Part Time of Use Demand (Business) Exit Service C12 – 3 Part Time of Use Demand (Business) Bi-directional Service	$0.00 per connection point
A16 – Multi Part Time of Use Energy (Residential) Exit Service C13 – Multi Part Time of Use Energy (Residential) Bi-directional Service	$0.00 per connection point
A17 – Multi Part Time of Use Energy (Business) Exit Service C14 – Multi Part Time of Use Energy (Business) Bi-directional Service	$0.00 per connection point
C15 – Bi-directional Service Facilitating a Distributed Generation or Other Non-Network Solution	$175.00 per connection point

The AQP includes two variable fees, the preliminary offer processing fee and preliminary acceptance fee. The methodology for these fees can be found on the following webpage:

https://westernpower.com.au/about/regulation/network-access-prices/