

# Appendix F.3

## 2022/23 Price List

### Proposed revisions to the access arrangement

1 February 2022



# 2022/23 Price List

1 July 2023

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# 1. Introduction

This document details Western Power's Price List.

This Price List is for the pricing year commencing on 1 July 2022 and ending on 30 June 2023.

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 7 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 8 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 fixed use of system charge (detailed in Table 11) which is payable each day;
- 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
- 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 fixed use of system charge (detailed in Table 11) which is payable each day;
- 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);
- 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
- 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:

- 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 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-Discout);



- 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 2021/22 Price List Information<sup>1</sup> 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	$(E_{\text{Off-peak}}/E_{\text{Total}}) * DF$
For 1,000 ≤ MD < 1,500 kVA	$((1500 - MD)/500) * (E_{\text{Off-peak}}/E_{\text{Total}}) * DF$
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%;
$E_{\text{Off-peak}}$	is the total off-peak energy for the billing period (expressed in kWh); and
$E_{\text{Total}}$	is the total energy (both on and off-peak) for the billing period (expressed in kWh).

<sup>1</sup> <https://www.erawa.com.au/cproot/21947/2/2021-22-Price-List-Information.PDF>

**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-Discout);
- 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-Discout);
- 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. 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 2021/22 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:

$$\text{ENUC} = \text{ENUC}_{\text{Transmission}} + \text{ENUC}_{\text{Distribution}}$$

Where

$ENUC_{\text{Transmission}}$	$= ENUM * (PD - CMD) * DC_{\text{Transmission}} / CMD;$
$ENUC_{\text{Distribution}}$	$= ENUM * (PD - CMD) * (DC_{\text{Distribution}} + DLC) / CMD;$
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);
$DC_{\text{Transmission}}$	are the applicable transmission components of the fixed and variable demand charges for the billing period for the nominated CMD;
$DC_{\text{Distribution}}$	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:

$$\text{ENUC} = \text{ENUC}_{\text{Transmission}} + \text{ENUC}_{\text{Distribution}}$$

Where

$$\text{ENUC}_{\text{Transmission}} = \text{ENUM} * (\text{PD} - \text{CMD}) * \text{DC}_{\text{Transmission}} / \text{CMD};$$

$$\text{ENUC}_{\text{Distribution}} = \text{ENUM} * (\text{PD} - \text{CMD}) * (\text{DC}_{\text{Distribution}} + \text{DLC} + \text{LVC}) / \text{CMD};$$

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<sub>Transmission</sub> are the applicable transmission components of the fixed and variable demand charges for the billing period for the nominated CMD;

DC<sub>Distribution</sub> 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:

$$\text{ENUC} = \text{ENUC}_{\text{Transmission}} + \text{ENUC}_{\text{Distribution}}$$

Where

$$\text{ENUC}_{\text{Transmission}} = \text{ENUM} * (\text{PD}_{\text{kW}} - \text{DSOC}_{\text{kW}}) * \text{TEPC} / \text{DSOC}_{\text{kW}};$$

$$\text{ENUC}_{\text{Distribution}} = \text{ENUM} * (\text{PD}_{\text{kVA}} - \text{DSOC}_{\text{kVA}}) * (\text{DLC}) / \text{DSOC}_{\text{kVA}};$$

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

- 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 fixed use of system charge (detailed in Table 12) which is payable each day;
- 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 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;
- 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 2021/22 Price List Information) by the contracted maximum demand (CMD) at the exit point (expressed in kW);
- 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);
- 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);
- a fixed metering charge per revenue meter (detailed in Table 21) which is payable each day; and
- 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:

$$\text{ENUC} = \text{ENUM} * (\text{PD} - \text{CMD}) * (\text{UOS} + \text{CON} + \text{CS} + \text{CSS}) / \text{CMD}$$

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 2021/22 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:

$$\text{ENUC} = \text{ENUM} * (\text{PD} - \text{DSOC}) * (\text{UOS} + \text{CON} + \text{CSS}) / \text{DSOC}$$

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
<b>Reference tariff 1 - RT1</b>					
Transmission	0.000	3.633			
Distribution	89.738	5.336			
Bundled tariff	89.738	8.969			
<b>Reference tariff 2 - RT2</b>					
Transmission	0.000	4.362			
Distribution	168.457	7.528			
Bundled tariff	168.457	11.890			
<b>Reference tariff 3 - RT3</b>					
Transmission	0.000		6.633		1.431
Distribution	89.738		8.989		2.001
Bundled tariff	89.738		15.622		3.432
<b>Reference tariff 4 - RT4</b>					
Transmission	0.000		6.507		1.582
Distribution	308.393		10.418		2.333
Bundled tariff	308.393		16.925		3.915
<b>Reference tariff 9 – RT9</b>					

Transmission	0.000	2.171			
Distribution	7.482	2.875			
Bundled tariff	7.482	5.046			
<b>Reference tariff 10 – RT10</b>					
Transmission	0.000	1.447			
Distribution	57.724	3.215			
Bundled tariff	57.724	4.662			
<b>Reference tariff 13 - RT13</b>					
Transmission	0.000	3.633			
Distribution	89.738	5.336			
Bundled tariff	89.738	8.969			
<b>Reference tariff 14 - RT14</b>					
Transmission	0.000	4.362			
Distribution	168.457	7.528			
Bundled tariff	168.457	11.890			
<b>Reference tariff 15 - RT15</b>					
Transmission	0.000		6.633		1.431
Distribution	89.738		8.989		2.001
Bundled tariff	89.738		15.622		3.432
<b>Reference tariff 16 - RT16</b>					
Transmission	0.000		6.507		1.582
Distribution	308.393		10.418		2.333
Bundled tariff	308.393		16.925		3.915
<b>Reference tariff 17 - RT17</b>					
Transmission	0.000		3.595	3.173	2.985
Distribution	94.011		6.635	3.970	2.160
Bundled tariff	94.011		10.230	7.143	5.145
<b>Reference tariff 18 - RT18</b>					
Transmission	0.000		4.298	3.999	3.667
Distribution	168.457		12.122	7.724	4.644
Bundled tariff	168.457		16.420	11.723	8.311

**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
<b>Reference tariff 19 - RT19</b>					
Transmission	0.000	2.226	2.977	2.692	2.288
Distribution	89.738	3.473	6.049	3.604	1.981
Bundled tariff	89.738	5.699	9.026	6.296	4.269
<b>Reference tariff 20 - RT20</b>					
Transmission	0.000	2.764	3.948	3.589	3.256
Distribution	211.473	4.040	11.241	6.580	4.116
Bundled tariff	211.473	6.804	15.189	10.169	7.372

**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
<b>Reference tariff 21 – RT21</b>						
Transmission	0.000	3.238	2.943	2.676	2.676	
Distribution	89.738	6.954	4.160	2.341	2.341	
Bundled tariff	89.738	10.192	7.103	5.017	5.017	
<b>Reference tariff 22 - RT22</b>						
Transmission	0.000	3.910	3.554	3.231	3.231	3.231
Distribution	168.457	12.460	7.754	4.651	4.651	4.651
Bundled tariff	168.457	16.370	11.308	7.882	7.882	7.882

### 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	25.645	n/a
42W CFL BH	27.254	n/a
42W CFL KN	30.713	n/a
70W MH	44.829	n/a
70W HPS	22.048	n/a
125W MV	26.687	n/a
150W MH	51.792	n/a
150W HPS	29.003	n/a
250W MH	51.792	n/a
250W HPS	29.003	n/a
Standard LED 20W	13.630	9.733
Standard LED 16W - 3000K	13.630	9.733
Standard LED 16W - 4000K	13.630	9.733
Standard LED 36W	13.630	9.733
Standard LED 28W - 3000K	13.630	9.733
Standard LED 27W - 4000K	13.630	9.733
Standard LED 53W	13.740	9.733
Standard LED 43W - 3000K	13.740	9.733
Standard LED 42W - 4000K	13.740	9.733
Standard LED 80W	13.608	9.733
Standard LED 70W - 3000K	13.608	9.733
Standard LED 68W - 4000K	13.608	9.733
Standard LED 160W	14.929	9.733
Standard LED 140W - 3000K	14.929	9.733
Standard LED 135W - 4000K	14.929	9.733
Standard LED 170W	14.929	9.733
Standard LED 165W - 3000K	14.929	9.733
Standard LED 155W - 4000K	14.929	9.733

Light specification	Daily charge (No contribution) c/day	Daily charge (Full upfront contribution) c/day
Decorative BH LED 17W	25.372	9.733
Decorative KN LED 17W	27.818	9.733
Decorative LED 34W	27.752	9.733
Decorative LED 42W	25.372	9.733
Decorative LED 80W	29.140	9.733
Decorative LED 100W	32.731	9.733
Decorative LED 155W	32.731	9.733

**Table 15: Obsolete light types**

Light specification	Daily charge c/day
50W MV	16.413
70W MV	22.091
80W MV	22.091
150W MV	27.465
250W MV	35.827
400W MV	37.617
40W FLU	16.413
80W HPS	22.691
125W HPS	29.849
100W INC	16.413
80W MH	22.091
125W MH	53.304
22W LED	13.630

## 8.2 Prices for demand-based tariffs on the distribution network (RT5 to RT8 and RT11<sup>2</sup>)

### 8.2.1 Demand charges

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

**Table 16: Prices for reference tariff RT5**

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	35.885	185.444	57.241	185.444	93.126
300 to 1000	10,765.491	25.947	17,172.390	41.703	27,937.881	67.650
1000 to 1500	28,928.559	14.398	46,364.560	18.020	75,293.119	32.417

<sup>2</sup> 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	37.408	1,070.155	59.611	1,070.155	97.018
300 to 1000	11,222.291	28.431	17,883.180	46.317	29,105.471	74.748
1000 to 1500	31,123.728	15.563	50,305.255	23.427	81,428.983	38.990

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	22,102.997	19.798	20.127	31,460.422	10.589	13.571	53,563.419	30.387	33.698
Forrest Avenue	WFRT	CBD	22,102.997	19.798	20.127	31,460.422	10.589	13.571	53,563.419	30.387	33.698
Hay Street	WHAY	CBD	22,102.997	19.798	20.127	31,460.422	10.589	13.571	53,563.419	30.387	33.698
Milligan Street	WMIL	CBD	22,102.997	19.798	20.127	31,460.422	10.589	13.571	53,563.419	30.387	33.698
Wellington Street	WWNT	CBD	22,102.997	19.798	20.127	31,460.422	10.589	13.571	53,563.419	30.387	33.698
Black Flag	WBKF	Mining	22,102.997	39.632	37.128	31,460.422	5.584	9.281	53,563.419	45.216	46.409
Boulder	WBLD	Mining	22,102.997	36.560	34.495	31,460.422	5.584	9.281	53,563.419	42.144	43.776
Bounty	WBNY	Mining	22,102.997	69.869	63.045	31,460.422	5.584	9.281	53,563.419	75.453	72.326
West Kalgoorlie	WWKT	Mining	22,102.997	32.618	31.116	31,460.422	5.584	9.281	53,563.419	38.202	40.397
Albany	WALB	Mixed	22,102.997	37.867	35.615	31,460.422	12.520	15.226	53,563.419	50.387	50.841
Boddington	WBOD	Mixed	22,102.997	18.169	18.731	31,460.422	12.520	15.226	53,563.419	30.689	33.957
Bunbury Harbour	WBUH	Mixed	22,102.997	17.757	18.378	31,460.422	12.520	15.226	53,563.419	30.277	33.604
Busselton	WBSN	Mixed	22,102.997	26.030	25.469	31,460.422	12.520	15.226	53,563.419	38.550	40.695

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	22,102.997	19.129	19.554	31,460.422	12.520	15.226	53,563.419	31.649	34.780
Capel	WCAP	Mixed	22,102.997	23.067	22.929	31,460.422	12.520	15.226	53,563.419	35.587	38.155
Chapman	WCPN	Mixed	22,102.997	30.973	29.706	31,460.422	12.520	15.226	53,563.419	43.493	44.932
Darlington	WDTN	Mixed	22,102.997	21.440	21.535	31,460.422	12.520	15.226	53,563.419	33.960	36.761
Durlacher Street	WDUR	Mixed	22,102.997	27.910	27.080	31,460.422	12.520	15.226	53,563.419	40.430	42.306
Eneabba	WENB	Mixed	22,102.997	26.190	25.606	31,460.422	12.520	15.226	53,563.419	38.710	40.832
Geraldton	WGTN	Mixed	22,102.997	27.910	27.080	31,460.422	12.520	15.226	53,563.419	40.430	42.306
Marriott Road	WMRR	Mixed	22,102.997	17.128	17.839	31,460.422	12.520	15.226	53,563.419	29.648	33.065
Muchea	WMUC	Mixed	22,102.997	21.261	21.381	31,460.422	12.520	15.226	53,563.419	33.781	36.607
Northam	WNOR	Mixed	22,102.997	28.914	27.941	31,460.422	12.520	15.226	53,563.419	41.434	43.167
Picton	WPIC	Mixed	22,102.997	19.226	19.637	31,460.422	12.520	15.226	53,563.419	31.746	34.863
Rangeway	WRAN	Mixed	22,102.997	29.788	28.690	31,460.422	12.520	15.226	53,563.419	42.308	43.916
Sawyers Valley	WSVY	Mixed	22,102.997	26.424	25.807	31,460.422	12.520	15.226	53,563.419	38.944	41.033
Yanchep	WYCP	Mixed	22,102.997	21.185	21.316	31,460.422	12.520	15.226	53,563.419	33.705	36.542
Yilgarn	WYLN	Mixed	22,102.997	35.330	33.440	31,460.422	12.520	15.226	53,563.419	47.850	48.666
Baandee	WBDE	Rural	22,102.997	39.533	37.043	31,460.422	5.439	9.156	53,563.419	44.972	46.199
Beenup	WBNP	Rural	22,102.997	42.582	39.656	31,460.422	5.439	9.156	53,563.419	48.021	48.812
Bridgetown	WBTN	Rural	22,102.997	25.589	25.091	31,460.422	5.439	9.156	53,563.419	31.028	34.247
Carrabin	WCAR	Rural	22,102.997	43.521	40.461	31,460.422	5.439	9.156	53,563.419	48.960	49.617
Cataby	WCTB	Rural	22,102.997	26.498	25.870	31,460.422	5.439	9.156	53,563.419	31.937	35.026
Collie	WCOE	Rural	22,102.997	30.431	29.241	31,460.422	5.439	9.156	53,563.419	35.870	38.397
Coolup	WCLP	Rural	22,102.997	34.408	32.650	31,460.422	5.439	9.156	53,563.419	39.847	41.806
Cunderdin	WCUN	Rural	22,102.997	36.318	34.287	31,460.422	5.439	9.156	53,563.419	41.757	43.443
Katanning	WKAT	Rural	22,102.997	33.057	31.492	31,460.422	5.439	9.156	53,563.419	38.496	40.648
Kellerberrin	WKEL	Rural	22,102.997	38.470	36.132	31,460.422	5.439	9.156	53,563.419	43.909	45.288
Kojonup	WKOJ	Rural	22,102.997	22.640	22.563	31,460.422	5.439	9.156	53,563.419	28.079	31.719
Kondinin	WKDN	Rural	22,102.997	24.456	24.120	31,460.422	5.439	9.156	53,563.419	29.895	33.276

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	22,102.997	25.377	24.909	31,460.422	5.439	9.156	53,563.419	30.816	34.065
Margaret River	WMRV	Rural	22,102.997	33.178	31.596	31,460.422	5.439	9.156	53,563.419	38.617	40.752
Merredin	WMER	Rural	22,102.997	34.805	32.990	31,460.422	5.439	9.156	53,563.419	40.244	42.146
Moora	WMOR	Rural	22,102.997	25.654	25.147	31,460.422	5.439	9.156	53,563.419	31.093	34.303
Mount Barker	WMBR	Rural	22,102.997	34.700	32.900	31,460.422	5.439	9.156	53,563.419	40.139	42.056
Narrogin	WNGN	Rural	22,102.997	39.272	36.819	31,460.422	5.439	9.156	53,563.419	44.711	45.975
Pinjarra	WPNJ	Rural	22,102.997	17.979	18.568	31,460.422	5.439	9.156	53,563.419	23.418	27.724
Regans	WRGN	Rural	22,102.997	26.498	25.870	31,460.422	5.439	9.156	53,563.419	31.937	35.026
Three Springs	WTSG	Rural	22,102.997	25.574	25.078	31,460.422	5.439	9.156	53,563.419	31.013	34.234
Wagerup	WWGP	Rural	22,102.997	17.086	17.803	31,460.422	5.439	9.156	53,563.419	22.525	26.959
Wagin	WWAG	Rural	22,102.997	33.534	31.901	31,460.422	5.439	9.156	53,563.419	38.973	41.057
Wundowie	WWUN	Rural	22,102.997	29.170	28.160	31,460.422	5.439	9.156	53,563.419	34.609	37.316
Yerbillon	WYER	Rural	22,102.997	42.376	39.480	31,460.422	5.439	9.156	53,563.419	47.815	48.636
Amherst	WAMT	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Arkana	WARK	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Australian Paper Mills	WAPM	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Balcatta	WBCT	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Beechboro	WBCH	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Belmont	WBEL	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Bentley	WBTY	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Bibra Lake	WBIB	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
British Petroleum	WBPM	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Canning Vale	WCVE	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Clarence Street	WCLN	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Clarkson	WCKN	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Cockburn Cement	WCCT	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003

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	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Cottesloe	WCTE	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Edmund Street	WEDD	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Forrestfield	WFFD	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Gosnells	WGNL	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Hadfields	WHFS	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Hazelmere	WHZM	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Henley Brook	WHBK	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Herdsmen Parade	WHEP	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Joel Terrace	WJTE	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Joondalup	WJDP	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Kalamunda	WKDA	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Kambalda	WKBA	Urban	22,102.997	36.303	34.274	31,460.422	2.248	6.421	53,563.419	38.551	40.695
Kewdale	WKDL	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Landsdale	WLDE	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Maddington	WMDN	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Malaga	WMLG	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Mandurah	WMHA	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Manning Street	WMAG	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Mason Road	WMSR	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Meadow Springs	WMSS	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Medical Centre	WMCN	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Medina	WMED	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Midland Junction	WMJX	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Morley	WMOY	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Mullaloo	WMUL	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003

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	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Munday	WMDY	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Murdoch	WMUR	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Myaree	WMYR	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Nedlands	WNED	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
North Beach	WNBH	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
North Fremantle	WNFL	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
North Perth	WNPH	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
O'Connor	WOCN	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Osborne Park	WOPK	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Padbury	WPBY	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Piccadilly	WPCY	Urban	22,102.997	34.149	32.428	31,460.422	2.248	6.421	53,563.419	36.397	38.849
Riverton	WRTN	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Rivervale	WRVE	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Rockingham	WROH	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Shenton Park (Old)	WSPA	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Shenton Park (New)	WSPK	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Sth Ftle Power Station	WSFT	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Southern River	WSNR	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Tate Street	WTTS	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
University	WUNI	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Victoria Park	WVPA	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Waikiki	WWAI	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Wangara	WWGA	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Wanneroo	WWNO	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Welshpool	WWEL	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003

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	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Willetton	WWLN	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003
Yokine	WYKE	Urban	22,102.997	20.329	20.582	31,460.422	2.248	6.421	53,563.419	22.577	27.003

### 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**

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)
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<sup>3</sup>.

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<sup>4</sup>**

Reference Tariff	c/revenue meter/day
RT1	6.881
RT2	7.262
RT3	7.154
RT4	11.285
RT5 – RT8	12.441
RT11	12.441
RT13	6.863
RT14	7.922
RT15	6.884
RT16	12.280
RT17	12.441
RT18	12.441
RT19	12.441

<sup>3</sup> <https://www.erawa.com.au/electricity/electricity-access/western-power-network/western-powers-network-access-arrangements/access-arrangement-2017-2022>

<sup>4</sup> 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
RT20	12.441
RT21	12.441
RT22	12.441
TRT1 and TRT2	879.135

**Table 22: Metering reference service prices**

Metering Reference Service	c/revenue meter/day
M1	2.092
M2	2.092
M3	23.875
M4	47.751
M5	12.758
M6	12.758
M7	110.597
M8	2.092
M9	2.092
M10	23.875
M11	47.751
M12	12.758
M13	12.758
M14	110.597
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)
$\geq 7,000$ 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	1.655

## 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	17.498
Alcoa Pinjarra	WAPJ	4.963
Amherst	WAMT	4.165
Arkana	WARK	5.316
Australian Fused Materials	WAFM	3.452
Australian Paper Mills	WAPM	5.382
Baandee (WC)	WBDE	18.756
Balcatta	WBCT	5.447
Beckenham	WBEC	13.741
Beechboro	WBCH	4.838
Beenup	WBNP	20.984
Belmont	WBEL	4.287
Bentley	WBTY	5.580
Bibra Lake	WBIB	3.832

Substation	TNI	Use of System Price (c/kW/day)
Binningup Desalination Plant	WBDP	2.960
Black Flag	WBKF	19.126
Boddington Gold Mine	WBGM	3.211
Boddington	WBOD	3.129
Boulder	WBLD	16.861
Bounty	WBNY	41.420
Bridgetown	WBTN	8.570
British Petroleum	WBPM	7.400
Broken Hill Kwinana	WBHK	5.775
Bunbury Harbour	WBUH	2.830
Busselton	WBSN	8.864
Byford	WBYF	3.830
Canning Vale	WCVE	4.380
Capel	WCAP	6.702
Carrabin	WCAR	21.668
Cataby Kerr McGee	WKMC	7.993
Chapman	WCPN	12.469
Clarence Street	WCLN	7.197
Clarkson	WCKN	5.428
Cockburn Cement	WCCT	3.008
Cockburn Cement Ltd	WCCL	2.999
Collie	WCOE	12.108
Collier	WCOL	7.163
Cook Street	WCKT	5.154
Coolup	WCLP	15.012
Cottesloe	WCTE	5.582
Cunderdin	WCUN	16.409
Darlington	WDTN	5.518
Edgewater	WEDG	4.779
Edmund Street	WEDD	4.917

Substation	TNI	Use of System Price (c/kW/day)
Eneabba	WENB	8.979
Forrest Ave	WFRT	7.206
Forrestfield	WFFD	5.649
Geraldton	WGTN	10.234
Glen Iris	WGNI	3.339
Golden Grove	WGGV	26.823
Gosnells	WGNL	4.547
Hadfields	WHFS	5.465
Hay Street	WHAY	5.465
Hazelmere	WHZM	4.236
Henley Brook	WHBK	4.670
Herdsman Parade	WHEP	8.288
Joel Terrace	WJTE	7.522
Joondalup	WJDP	5.122
Kalamunda	WKDA	5.772
Katanning	WKAT	14.026
Kellerberrin	WKEL	17.982
Kewdale	WKDL	4.202
Kojonup	WKOJ	6.417
Kondinin	WKDN	7.744
Kwinana Alcoa	WAKW	1.327
Kwinana Desalination Plant	WKDP	3.646
Kwinana PWS	WKPS	2.662
Landsdale	WLDE	4.926
Maddington	WMDN	4.426
Malaga	WMLG	4.207
Mandurah	WMHA	3.613
Manjimup	WMJP	8.415
Manning Street	WMAG	6.118
Margaret River	WMRV	14.116

Substation	TNI	Use of System Price (c/kW/day)
Marriott Road Barrack Silicon Smelter	WBSI	2.707
Marriott Road	WMRR	2.371
Mason Road	WMSR	2.113
Mason Road CSBP	WCBP	3.196
Mason Road Kerr McGee	WKMK	1.937
Meadow Springs	WMSS	4.098
Medical Centre	WMCR	6.483
Medina	WMED	3.051
Merredin 66kV	WMER	15.302
Midland Junction	WMJX	5.149
Milligan Street	WMIL	6.104
Moora	WMOR	8.619
Morley	WMOY	5.614
Mt Barker	WMBR	15.227
Muchea Kerr McGee	WKMM	8.132
Muchea	WMUC	5.385
Muja PWS	WMPS	1.619
Mullaloo	WMUL	5.291
Munday	WMDY	5.703
Murdoch	WMUR	3.412
Mundaring Weir	WMWR	8.261
Myaree	WMYR	6.517
Narrogin	WNGN	18.564
Nedlands	WNED	6.103
North Beach	WNBH	5.447
North Fremantle	WNFL	5.479
North Perth	WNPH	4.649
Northam	WNOR	10.967
Nowgerup	WNOW	6.283
O'Connor	WOCN	5.684

Substation	TNI	Use of System Price (c/kW/day)
Osborne Park	WOPK	5.907
Padbury	WPBY	5.519
Parkeston	WPRK	19.193
Parklands	WPLD	4.212
Piccadilly	WPCY	15.263
Picton 66kv	WPIC	3.901
Pinjarra	WPNJ	3.012
Rangeway	WRAN	11.606
Regans	WRGN	9.234
Riverton	WRTN	3.771
Rivervale	WRVE	5.863
Rockingham	WROH	3.231
Sawyers Valley	WSVY	9.152
Shenton Park	WSPA	6.349
Southern River	WSNR	3.959
South Fremantle 22kV	WSFT	4.105
Summer St	WSUM	7.764
Sutherland	WSRD	4.649
Tate Street	WTTS	6.556
Three Springs	WTSG	8.560
Three Springs Terminal (Karara)	WTST	20.672
Tomlinson Street	WTLN	6.642
University	WUNI	7.039
Victoria Park	WVPA	6.409
Wagerup	WWGP	2.360
Wagin	WWAG	14.375
Waikiki	WWAI	3.532
Wangara	WWGA	5.058
Wanneroo	WWNO	5.323
Wellington Street	WWNT	7.725

Substation	TNI	Use of System Price (c/kW/day)
Welshpool	WWEL	4.177
Wembley Downs	WWDN	6.233
West Kalgoorlie	WWKT	13.953
Western Collieries	WWCL	2.376
Western Mining	WWMG	2.792
Westralian Sands	WWSD	6.077
Willetton	WWLN	4.014
Worsley	WWOR	1.971
Wundowie	WWUN	11.186
Yanchep	WYCP	5.331
Yerbillon	WYER	20.834
Yilgarn	WYLN	15.648
Yokine	WYKE	5.774

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	2.243
Badgingarra	BGA	2.288
Boulder	WBLD	1.624
Bluewaters	WBWP	2.257
Cockburn PWS	WCKB	1.368
Collgar	WCGW	2.591
Collie PWS	WCPS	2.625
Emu Downs	WEMD	2.288
Geraldton	WGTN	0.384
Greenough Solar Farm	TMGS	0.489
Kemerton PWS	WKEM	1.824
Kwinana Alcoa	WAKW	1.411
Kwinana Donaldson Road	WKND	1.072

Substation	TNI	Use of System Price (c/kW/day)
Kwinana PWS	WKPS	1.368
Landwehr (Alinta)	WLWT	1.703
Mason Road	WMSR	1.072
Merredin Power Station	TMDP	1.886
Muja PWS	WMPS	2.755
Mumbida Wind Farm	TMBW	2.321
Mungarra GTs	WMGA	2.280
Newgen Kwinana	WNGK	1.592
Newgen Neerabup	WGNN	1.403
Oakley (Alinta)	WOLY	1.899
Parkeston	WPKS	1.958
Pinjar GTs	WPJR	1.138
Alcoa Pinjarra	WAPJ	1.994
Tiwest GT	WKMK	1.106
Wagerup	WWGP	1.570
Walkaway Windfarm	WWWF	2.518
West Kalgoorlie GTs	WWKT	1.592
Worsley	WWOR	1.783
Yandin Wind Farm	WYDW	1.403
Merredin Solar Farm	WMSF	1.886
Warradarge Wind Farm	WWDW	2.288

### 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	5.211

### 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)	0.220

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)	1.955

## 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 <sup>5</sup>	435.94
Whole current meters non-Metropolitan area	555.26
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.

<sup>5</sup> As defined in the Electricity Industry (Metering) Code



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

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

Service	Charge per request (\$)
RT26	5.35
RT27	5.35
RT28	5.35
RT29	5.35

## 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/>