

# Appendix F.5

## 2019/20 Price List

### Amended proposed access arrangement

28 February 2019

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Appendix F.5

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## 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 2019 and ending on 30 June 2020.

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 all of 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

Reference service	Reference tariff
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
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 Table 11) by the quantity of electricity consumed at an exit point (expressed in kWh); and
- c. a fixed metering charge per revenue meter (detailed in Table 21) 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 (detailed in Table 21) 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 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);
- 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);
- 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
- a fixed metering charge per revenue meter (detailed in Table 21) which is payable each day.

#### Notes:

- 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.
- 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)	
<b>Off-peak</b>	<b>On-Peak</b>	<b>Off-Peak</b>	<b>Off-Peak</b>
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:

$$\text{For MD} < 1,000 \text{ kVA} \quad (E_{\text{Off-peak}}/E_{\text{Total}}) * \text{DF}$$

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

$$\text{For MD} \Rightarrow 1,500 \text{ kVA} \quad 0$$

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).

**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 (detailed in Table 21) 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 (detailed in Table 21) which is payable each day;
- d. a fixed administration charge (detailed in Table 22) 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

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

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

ENUM is the Excess network usage multiplier factor, which is defined in Table 30;

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; 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 23) which is payable each day;
- d. a variable low voltage charge calculated by multiplying the low voltage demand price (detailed in Table 23) by the CMD (expressed in kVA);
- e. a fixed metering charge per revenue meter (detailed in Table 21) which is payable each day;
- f. a fixed administration charge (detailed in Table 22) 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:

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

Where

$$ENUC_{\text{Transmission}} = ENUM * (PD - CMD) * DC_{\text{Transmission}} / CMD;$$

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

ENUM is the Excess network usage multiplier factor, which is defined in Table 30;

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 24) 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 28) 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 26) 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 (detailed in Table 21) 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 30;

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 (detailed in Table 21) 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 (detailed in Table 21) 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 (detailed in Table 21) 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 – 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 (detailed in Table 21) 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 (detailed in Table 21) 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
- b. Table 13) which is payable each day;
- c. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in
- d. Table 13) by the quantity of on-peak electricity consumed at the connection point (expressed in kWh);
- e. a shoulder use of system variable charge calculated by multiplying the shoulder energy price (detailed in
- f. Table 13) by the quantity of shoulder period electricity consumed at the connection point (expressed in kWh);

- g. an off-peak use of system variable charge calculated by multiplying the off-peak energy price (detailed in
- h. Table 13) by the quantity of off-peak electricity consumed at the connection point (expressed in kWh);
- i. an overnight use of system variable charge calculated by multiplying the overnight energy price (detailed in
- j. Table 13) by the quantity of overnight electricity consumed at the connection point (expressed in kWh); and
- k. a fixed metering charge per revenue meter (detailed in Table 21) 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
- b. Table 13) which is payable each day;
- c. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in
- d. Table 13) by the quantity of on-peak electricity consumed at the connection point (expressed in kWh);
- e. a shoulder use of system variable charge calculated by multiplying the shoulder energy price (detailed in
- f. Table 13) by the quantity of shoulder period electricity consumed at the connection point (expressed in kWh);
- g. an off-peak use of system variable charge calculated by multiplying the off-peak energy price (detailed in
- h. Table 13) by the quantity of off-peak electricity consumed at the connection point (expressed in kWh);
- i. a super off-peak use of system variable charge calculated by multiplying the super off-peak energy price (detailed in

- j. Table 13) by the quantity of super off-peak electricity consumed at the connection point (expressed in kWh);
- k. an overnight use of system variable charge calculated by multiplying the overnight energy price (detailed in
- l. Table 13) by the quantity of overnight electricity consumed at the connection point (expressed in kWh); and
- m. a fixed metering charge per revenue meter (detailed in Table 21) 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 25) or where there is no applicable use of system price in Table 25 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 27) 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 29) 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:

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

Where

- ENUM is the Excess network usage multiplier factor, which is defined in Table 30;
- 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 26) or where there is no applicable use of system price in Table 26 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 28 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 30;
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  $FC_p$  less  $FC_n$  over a period of  $Y$  years using discount rate  $W$ .

Where:

- $FC_p$  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.
- $FC_n$  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 FC<sub>p</sub> less FC<sub>n</sub> over a period of Y years using discount rate W.

Where:

- FC<sub>p</sub> 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.
- FC<sub>n</sub> 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 31).

## **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 32).

## **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 32).

## **7.6 Reference Tariff 28 (RT28)**

### **7.6.1 Tariff calculation**

RT28 consists of a charge per request for de-energisation (detailed in Table 32).

## **7.7 Reference Tariff 29 (RT29)**

### **7.7.1 Tariff calculation**

RT29 consists of a charge per request for re-energisation (detailed in Table 32).

## **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 25 and Table 26 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	2.039			
Distribution	86.850	6.404			
Bundled tariff	86.850	8.443			
<b>Reference tariff 2 - RT2</b>					
Transmission	0.000	2.448			
Distribution	164.423	8.867			
Bundled tariff	164.423	11.315			
<b>Reference tariff 3 - RT3</b>					
Transmission	0.000		3.686		0.774
Distribution	86.850		10.911		2.544
Bundled tariff	86.850		14.597		3.318

	Fixed Price	Energy Rates			
	c/day	Anytime c/kWh	On-Peak c/kWh	Shoulder c/kWh	Off-peak c/kWh
<b>Reference tariff 4 - RT4</b>					
Transmission	0.000		3.812		0.921
Distribution	299.580		12.142		2.725
Bundled tariff	299.580		15.954		3.646
<b>Reference tariff 9 – RT9</b>					
Transmission	0.000	1.281			
Distribution	7.244	3.374			
Bundled tariff	7.244	4.655			
<b>Reference tariff 10 – RT10</b>					
Transmission	0.000	0.845			
Distribution	55.890	3.639			
Bundled tariff	55.890	4.484			
<b>Reference tariff 13 - RT13</b>					
Transmission	0.000	2.039			
Distribution	86.850	6.404			
Bundled tariff	86.850	8.443			
<b>Reference tariff 14 - RT14</b>					
Transmission	0.000	2.448			
Distribution	164.423	8.867			
Bundled tariff	164.423	11.315			
<b>Reference tariff 15 - RT15</b>					
Transmission	0.000		3.686		0.774
Distribution	86.850		10.911		2.544
Bundled tariff	86.850		14.597		3.318

	Fixed Price	Energy Rates			
	c/day	Anytime c/kWh	On-Peak c/kWh	Shoulder c/kWh	Off-peak c/kWh
<b>Reference tariff 16 - RT16</b>					
Transmission	0.000		3.812		0.921
Distribution	299.580		12.142		2.725
Bundled tariff	299.580		15.954		3.646
<b>Reference tariff 17 - RT17</b>					
Transmission	0.000		2.243	2.039	1.854
Distribution	86.850		7.889	4.715	2.649
Bundled tariff	86.850		10.132	6.754	4.503
<b>Reference tariff 18 - RT18</b>					
Transmission	0.000		2.693	2.448	2.225
Distribution	164.423		14.280	8.867	5.318
Bundled tariff	164.423		16.973	11.315	7.543

**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	1.656	2.019	1.835	1.669
Distribution	86.850	3.600	7.100	4.244	2.384
Bundled tariff	86.850	5.256	9.119	6.079	4.053
<b>Reference tariff 20 - RT20</b>					
Transmission	0.000	1.854	2.424	2.203	2.003
Distribution	164.423	4.330	12.852	7.980	4.786
Bundled tariff	164.423	6.184	15.276	10.183	6.789

**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	2.230	2.027	1.843	1.843	
Distribution	86.850	7.902	4.727	2.660	2.660	
Bundled tariff	86.850	10.132	6.754	4.503	4.503	
<b>Reference tariff 22 - RT22</b>						
Transmission	0.000	2.693	2.448	2.225	2.225	2.225
Distribution	164.423	14.280	8.867	5.318	5.318	5.318
Bundled tariff	164.423	16.973	11.315	7.543	7.543	7.543

**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	25.885	n/a
42W CFL BH	27.509	n/a
42W CFL KN	31.000	n/a
70W MH	45.248	n/a
70W HPS	22.254	n/a
125W MV	26.936	n/a
150W MH	52.276	n/a
150W HPS	29.274	n/a
250W MH	52.276	n/a
250W HPS	29.274	n/a

Light specification	Daily charge (No contribution) c/day	Daily charge (Full upfront contribution) c/day
Standard LED 20W	13.757	8.574
Standard LED 36W	13.757	8.574
Standard LED 53W	13.868	8.574
Standard LED 80W	13.735	8.574
Standard LED 160W	15.069	8.574
Standard LED 170W	15.069	8.574
Decorative BH LED 17W	25.609	8.574
Decorative KN LED 17W	28.078	8.574
Decorative LED 34W	28.011	8.574
Decorative LED 42W	25.609	8.574
Decorative LED 80W	29.412	8.574
Decorative LED 100W	33.036	8.574
Decorative LED 155W	33.036	8.574

**Table 15: Obsolete light types**

Light specification	Daily charge c/day
50W MV	16.566
70W MV	22.297
80W MV	22.297
150W MV	27.722
250W MV	36.162
400W MV	37.968
40W FLU	16.566
80W HPS	22.903
125W HPS	30.128
100W INC	16.566
80W MH	22.297
125W MH	53.802
22W LED	13.757

## 8.2 Prices for demand-based tariffs on the distribution network (RT5 to RT8 and RT11<sup>1</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	24.359	187.312	61.752	187.312	86.111
300 to 1000	7,307.844	18.034	18,348.110	44.325	25,655.954	62.359

<sup>1</sup> Note that some components of RT11 are in section 8.3

	Transmission		Distribution		Bundled tariff	
1000 to 1500	19,931.476	10.302	48,846.646	19.065	68,778.122	29.367

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

**Table 17: Prices for reference tariff RT6**

	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	23.350	1,069.340	63.782	1,069.340	87.132
300 to 1000	7,004.971	17.286	19,822.488	48.755	26,827.459	66.041
1000 to 1500	19,105.416	9.875	53,337.247	24.660	72,442.663	34.535

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	15,591.646	16.129	16.052	32,933.425	11.331	14.417	48,525.071	27.460	30.469
Forrest Avenue	WFRT	CBD	15,591.646	16.129	16.052	32,933.425	11.331	14.417	48,525.071	27.460	30.469
Hay Street	WHAY	CBD	15,591.646	16.129	16.052	32,933.425	11.331	14.417	48,525.071	27.460	30.469
Milligan Street	WMIL	CBD	15,591.646	16.129	16.052	32,933.425	11.331	14.417	48,525.071	27.460	30.469
Wellington Street	WWNT	CBD	15,591.646	16.129	16.052	32,933.425	11.331	14.417	48,525.071	27.460	30.469
Black Flag	WBKF	Goldfields Mining	15,591.646	31.949	29.612	32,933.425	6.014	9.860	48,525.071	37.963	39.472
Boulder	WBLD	Goldfields Mining	15,591.646	29.498	27.511	32,933.425	6.014	9.860	48,525.071	35.512	37.371
Bounty	WBNY	Goldfields Mining	15,591.646	56.064	50.282	32,933.425	6.014	9.860	48,525.071	62.078	60.142

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)
West Kalgoorlie	WWKT	Goldfields Mining	15,591.646	26.353	24.816	32,933.425	6.014	9.860	48,525.071	32.367	34.676
Albany	WALB	Mixed	15,591.646	30.541	28.405	32,933.425	13.382	16.175	48,525.071	43.923	44.580
Boddington	WBOD	Mixed	15,591.646	14.830	14.939	32,933.425	13.382	16.175	48,525.071	28.212	31.114
Bunbury Harbour	WBUH	Mixed	15,591.646	14.501	14.657	32,933.425	13.382	16.175	48,525.071	27.883	30.832
Busselton	WBSN	Mixed	15,591.646	21.100	20.313	32,933.425	13.382	16.175	48,525.071	34.482	36.488
Byford	WBYF	Mixed	15,591.646	15.596	15.595	32,933.425	13.382	16.175	48,525.071	28.978	31.770
Capel	WCAP	Mixed	15,591.646	18.736	18.287	32,933.425	13.382	16.175	48,525.071	32.118	34.462
Chapman	WCPN	Mixed	15,591.646	25.042	23.692	32,933.425	13.382	16.175	48,525.071	38.424	39.867
Darlington	WDTN	Mixed	15,591.646	17.440	17.176	32,933.425	13.382	16.175	48,525.071	30.822	33.351
Durlacher Street	WDUR	Mixed	15,591.646	22.599	21.598	32,933.425	13.382	16.175	48,525.071	35.981	37.773
Eneabba	WENB	Mixed	15,591.646	21.227	20.422	32,933.425	13.382	16.175	48,525.071	34.609	36.597
Geraldton	WGTN	Mixed	15,591.646	22.599	21.598	32,933.425	13.382	16.175	48,525.071	35.981	37.773
Marriott Road	WMRR	Mixed	15,591.646	14.000	14.227	32,933.425	13.382	16.175	48,525.071	27.382	30.402
Muchea	WMUC	Mixed	15,591.646	17.295	17.052	32,933.425	13.382	16.175	48,525.071	30.677	33.227
Northam	WNOR	Mixed	15,591.646	23.401	22.285	32,933.425	13.382	16.175	48,525.071	36.783	38.460
Picton	WPIC	Mixed	15,591.646	15.674	15.662	32,933.425	13.382	16.175	48,525.071	29.056	31.837
Rangeway	WRAN	Mixed	15,591.646	24.097	22.882	32,933.425	13.382	16.175	48,525.071	37.479	39.057
Sawyers Valley	WSVY	Mixed	15,591.646	21.414	20.582	32,933.425	13.382	16.175	48,525.071	34.796	36.757
Yanchep	WYCP	Mixed	15,591.646	17.236	17.001	32,933.425	13.382	16.175	48,525.071	30.618	33.176
Yilgarn	WYLN	Mixed	15,591.646	28.516	26.670	32,933.425	13.382	16.175	48,525.071	41.898	42.845
Baandee	WBDE	Rural	15,591.646	31.868	29.543	32,933.425	5.859	9.727	48,525.071	37.727	39.270
Beenup	WBNP	Rural	15,591.646	34.301	31.628	32,933.425	5.859	9.727	48,525.071	40.160	41.355
Bridgetown	WBTN	Rural	15,591.646	20.748	20.011	32,933.425	5.859	9.727	48,525.071	26.607	29.738
Carrabin	WCAR	Rural	15,591.646	35.049	32.269	32,933.425	5.859	9.727	48,525.071	40.908	41.996

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)
Cataby	WCTB	Rural	15,591.646	21.473	20.633	32,933.425	5.859	9.727	48,525.071	27.332	30.360
Collie	WCOE	Rural	15,591.646	24.609	23.321	32,933.425	5.859	9.727	48,525.071	30.468	33.048
Coolup	WCLP	Rural	15,591.646	27.781	26.040	32,933.425	5.859	9.727	48,525.071	33.640	35.767
Cunderdin	WCUN	Rural	15,591.646	29.305	27.346	32,933.425	5.859	9.727	48,525.071	35.164	37.073
Katanning	WKAT	Rural	15,591.646	26.703	25.116	32,933.425	5.859	9.727	48,525.071	32.562	34.843
Kellerberrin	WKEL	Rural	15,591.646	31.022	28.818	32,933.425	5.859	9.727	48,525.071	36.881	38.545
Kojonup	WKOJ	Rural	15,591.646	18.396	17.995	32,933.425	5.859	9.727	48,525.071	24.255	27.722
Kondinin	WKDN	Rural	15,591.646	19.845	19.237	32,933.425	5.859	9.727	48,525.071	25.704	28.964
Manjimup	WMJP	Rural	15,591.646	20.578	19.866	32,933.425	5.859	9.727	48,525.071	26.437	29.593
Margaret River	WMRV	Rural	15,591.646	26.801	25.200	32,933.425	5.859	9.727	48,525.071	32.660	34.927
Merredin	WMER	Rural	15,591.646	28.098	26.311	32,933.425	5.859	9.727	48,525.071	33.957	36.038
Moora	WMOR	Rural	15,591.646	20.800	20.056	32,933.425	5.859	9.727	48,525.071	26.659	29.783
Mount Barker	WMBR	Rural	15,591.646	28.015	26.240	32,933.425	5.859	9.727	48,525.071	33.874	35.967
Narrogin	WNGN	Rural	15,591.646	31.659	29.364	32,933.425	5.859	9.727	48,525.071	37.518	39.091
Pinjarra	WPNJ	Rural	15,591.646	14.679	14.809	32,933.425	5.859	9.727	48,525.071	20.538	24.536
Regans	WRGN	Rural	15,591.646	21.473	20.633	32,933.425	5.859	9.727	48,525.071	27.332	30.360
Three Springs	WTSG	Rural	15,591.646	20.736	20.001	32,933.425	5.859	9.727	48,525.071	26.595	29.728
Wagerup	WWGP	Rural	15,591.646	13.967	14.199	32,933.425	5.859	9.727	48,525.071	19.826	23.926
Wagin	WWAG	Rural	15,591.646	27.085	25.443	32,933.425	5.859	9.727	48,525.071	32.944	35.170
Wundowie	WWUN	Rural	15,591.646	23.604	22.459	32,933.425	5.859	9.727	48,525.071	29.463	32.186
Yerbillon	WYER	Rural	15,591.646	34.137	31.488	32,933.425	5.859	9.727	48,525.071	39.996	41.215
Amherst	WAMT	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Arkana	WARK	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Australian Paper Mills	WAPM	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Balcatta	WBCT	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238

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)
Beechboro	WBCH	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Belmont	WBEL	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Bentley	WBTY	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Bibra Lake	WBIB	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
British Petroleum	WBPM	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Canning Vale	WCVE	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Clarence Street	WCLN	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Clarkson	WCKN	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Cockburn Cement	WCCT	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Collier	WCOL	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Cottesloe	WCTE	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Edmund Street	WEDD	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Forrestfield	WFFD	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Gosnells	WGNL	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Hadfields	WHFS	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Hazelmere	WHZM	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Henley Brook	WHBK	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Herdsmen Parade	WHEP	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Joel Terrace	WJTE	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Joondalup	WJDP	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Kalamunda	WKDA	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Kambalda	WKBA	Urban	15,591.646	29.292	27.335	32,933.425	2.470	6.822	48,525.071	31.762	34.157
Kewdale	WKDL	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Landsdale	WLDE	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238

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)
Maddington	WMDN	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Malaga	WMLG	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Mandurah	WMHA	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Manning Street	WMAG	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Mason Road	WMSR	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Meadow Springs	WMSS	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Medical Centre	WMCR	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Medina	WMED	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Midland Junction	WMJX	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Morley	WMOY	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Mullaloo	WMUL	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Mundaring Weir	WMWR	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Munday	WMDY	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Murdoch	WMUR	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Myaree	WMYR	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Nedlands	WNED	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
North Beach	WNBH	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
North Fremantle	WNFL	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
North Perth	WNPH	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
O'Connor	WOCN	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Osborne Park	WOPK	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Padbury	WPBY	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Piccadilly	WPCY	Urban	15,591.646	27.575	25.863	32,933.425	2.470	6.822	48,525.071	30.045	32.685

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)
Riverton	WRTN	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Rivervale	WRVE	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Rockingham	WROH	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Shenton Park (Old)	WSPA	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Shenton Park (New)	WSPK	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Sth Ftle Power Station	WSFT	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Southern River	WSNR	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Tate Street	WTTS	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
University	WUNI	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Victoria Park	WVPA	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Waikiki	WWAI	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Wangara	WWGA	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Wanneroo	WWNO	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Welshpool	WWEL	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Wembley Downs	WWDN	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Willetton	WWLN	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238
Yokine	WYKE	Urban	15,591.646	16.553	16.416	32,933.425	2.470	6.822	48,525.071	19.023	23.238

### 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
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).

**Table 21: Metering prices<sup>2</sup>**

Reference Tariff	c/revenue meter/day
RT1	8.137
RT2	9.954
RT3	9.440
RT4	29.102
RT5 – RT8	34.603
RT11	34.603
RT13	8.056
RT14	13.098
RT15	8.156
RT16	33.837
RT17	8.156
RT18	33.837
RT19	8.156
RT20	33.837
RT21	8.156
RT22	33.837
TRT1 and TRT2	1,011.758

#### 8.2.4 Administration charges

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

**Table 22: Administration charges for RT7 and RT8**

CMD	Price (c/day)
$\geq 7,000$ kVA	8,955.000
$< 7,000$ kVA	5,155.000

<sup>2</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.

### 8.2.5 LV prices

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

**Table 23: LV prices RT8**

Category	Price (c/day)
Fixed	1,120.00
Demand	10.805/kVA

### 8.2.6 Connection price

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

**Table 24: Connection Price RT11**

	Connection Price (c/kW/day)
Connection price	1.418

## 8.3 Transmission prices

### 8.3.1 Use of system prices

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

**Table 25: Transmission prices TRT1**

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	15.894
Alcoa Pinjarra	WAPJ	4.508
Amherst	WAMT	3.783
Arkana	WARK	4.829
Australian Fused Materials	WAFM	3.135
Australian Paper Mills	WAPM	4.889
Baandee (WC)	WBDE	17.036
Balcatta	WBCT	4.948
Beckenham	WBEC	12.481
Beechboro	WBCH	4.394

Substation	TNI	Use of System Price (c/kW/day)
Beenup	WBNP	19.060
Belmont	WBEL	3.894
Bentley	WBTY	5.069
Bibra Lake	WBIB	3.481
Binningup Desalination Plant	WBDP	2.689
Black Flag	WBKF	17.372
Boddington Gold Mine	WBGGM	2.916
Boddington	WBOD	2.842
Boulder	WBLD	15.315
Bounty	WBNY	37.623
Bridgetown	WBTN	7.785
British Petroleum	WBPM	6.722
Broken Hill Kwinana	WBHK	5.246
Bunbury Harbour	WBUH	2.570
Busselton	WBSN	8.051
Byford	WBYF	3.479
Canning Vale	WCVE	3.978
Capel	WCAP	6.088
Carrabin	WCAR	19.682
Cataby Kerr McGee	WKMC	7.260
Chapman	WCPN	11.326
Clarence Street	WCLN	6.537
Clarkson	WCKN	4.930
Cockburn Cement	WCCT	2.732
Cockburn Cement Ltd	WCCL	2.724
Collie	WCOE	10.998
Collier	WCOL	6.507

Substation	TNI	Use of System Price (c/kW/day)
Cook Street	WCKT	4.682
Coolup	WCLP	13.636
Cottesloe	WCTE	5.070
Cunderdin	WCUN	14.905
Darlington	WDTN	5.012
Edgewater	WEDG	4.341
Edmund Street	WEDD	4.467
Eneabba	WENB	8.156
Forrest Ave	WFRT	6.546
Forrestfield	WFFD	5.131
Geraldton	WGTN	9.296
Glen Iris	WGNI	3.033
Golden Grove	WGGV	24.364
Gosnells	WGNL	4.130
Hadfields	WHFS	4.964
Hay Street	WHAY	4.964
Hazelmere	WHZM	3.848
Henley Brook	WHBK	4.242
Herdsmen Parade	WHEP	7.529
Joel Terrace	WJTE	6.832
Joondalup	WJDP	4.652
Kalamunda	WKDA	5.243
Katanning	WKAT	12.740
Kellerberrin	WKEL	16.333
Kewdale	WKDL	3.817
Kojonup	WKOJ	5.829
Kondinin	WKDN	7.034

Substation	TNI	Use of System Price (c/kW/day)
Kwinana Alcoa	WAKW	1.206
Kwinana Desalination Plant	WKDP	3.311
Kwinana PWS	WKPS	2.418
Landsdale	WLDE	4.474
Maddington	WMDN	4.020
Malaga	WMLG	3.821
Mandurah	WMHA	3.282
Manjimup	WMJP	7.644
Manning Street	WMAG	5.557
Margaret River	WMRV	12.822
Marriott Road Barrack Silicon Smelter	WBSI	2.459
Marriott Road	WMRR	2.153
Mason Road	WMSR	1.919
Mason Road CSBP	WCBP	2.903
Mason Road Kerr McGee	WKMK	1.759
Meadow Springs	WMSS	3.722
Medical Centre	WMCR	5.889
Medina	WMED	2.771
Merredin 66kV	WMER	13.899
Midland Junction	WMJX	4.677
Milligan Street	WMIL	5.545
Moora	WMOR	7.829
Morley	WMOY	5.099
Mt Barker	WMBR	13.831
Muchea Kerr McGee	WKMM	7.387
Muchea	WMUC	4.891
Muja PWS	WMPS	1.470

Substation	TNI	Use of System Price (c/kW/day)
Mullaloo	WMUL	4.806
Munday	WMDY	5.180
Murdoch	WMUR	3.099
Mundaring Weir	WMWR	7.504
Myaree	WMYR	5.920
Narrogin	WNGN	16.862
Nedlands	WNED	5.544
North Beach	WNBH	4.948
North Fremantle	WNFL	4.977
North Perth	WNPH	4.223
Northam	WNOR	9.962
Nowgerup	WNOW	5.707
O'Connor	WOCN	5.163
Osborne Park	WOPK	5.366
Padbury	WPBY	5.013
Parkeston	WPRK	17.433
Parklands	WPLD	3.826
Piccadilly	WPCY	13.864
Picton 66kv	WPIC	3.544
Pinjarra	WPNJ	2.736
Rangeway	WRAN	10.542
Regans	WRGN	8.388
Riverton	WRTN	3.426
Rivervale	WRVE	5.326
Rockingham	WROH	2.935
Sawyers Valley	WSVY	8.313
Shenton Park	WSPA	5.767

Substation	TNI	Use of System Price (c/kW/day)
Southern River	WSNR	3.596
South Fremantle 22kV	WSFT	3.729
Summer St	WSUM	7.052
Sutherland	WSRD	4.223
Tate Street	WTTS	5.955
Three Springs	WTSG	7.775
Three Springs Terminal (Karara)	WTST	18.777
Tomlinson Street	WTLN	6.033
University	WUNI	6.393
Victoria Park	WVPA	5.822
Wagerup	WWGP	2.144
Wagin	WWAG	13.057
Waikiki	WWAI	3.209
Wangara	WWGA	4.594
Wanneroo	WWNO	4.835
Wellington Street	WWNT	7.017
Welshpool	WWEL	3.794
Wembley Downs	WWDN	5.662
West Kalgoorlie	WWKT	12.674
Western Collieries	WWCL	2.158
Western Mining	WWMG	2.536
Westralian Sands	WWSD	5.520
Willetton	WWLN	3.646
Worsley	WWOR	1.790
Wundowie	WWUN	10.161
Yanchep	WYCP	4.842
Yerbillon	WYER	18.924

Substation	TNI	Use of System Price (c/kW/day)
Yilgarn	WYLN	14.213
Yokine	WYKE	5.245

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

**Table 26: Reference tariffs RT11 and TRT2**

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	2.037
Badgingarra	WBGA	2.078
Boulder	WBLD	1.475
Bluewaters	WBWP	2.050
Cockburn PWS	WCKB	1.243
Collgar	WCGW	2.353
Collie PWS	WCPS	2.385
Emu Downs	WEMD	2.078
Geraldton	WGTN	0.349
Greenough Solar Farm	TMGS	0.444
Kemerton PWS	WKEM	1.657
Kwinana Alcoa	WAKW	1.282
Kwinana Donaldson Road	WKND	0.973
Kwinana PWS	WKPS	1.243
Landwehr (Alinta)	WLWT	1.547
Mason Road	WMSR	0.973
Merredin Power Station	TMDP	1.713
Muja PWS	WMPS	2.503
Mumbida Wind Farm	TMBW	2.109
Mungarra GTs	WMGA	2.071
Newgen Kwinana	WNGK	1.446

Substation	TNI	Use of System Price (c/kW/day)
Newgen Neerabup	WGNN	1.274
Oakley (Alinta)	WOLY	1.725
Parkeston	WPKS	1.778
Pinjar GTs	WPJR	1.033
Alcoa Pinjarra	WAPJ	1.811
Tiwest GT	WKMK	1.005
Wagerup	WWGP	1.426
Walkaway Windfarm	WWWF	2.288
West Kalgoorlie GTs	WWKT	1.446
Worsley	WWOR	1.620

### 8.3.2 Common service prices

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

**Table 27: Common Service Prices TRT1**

	Common Service Price (c/kW/day)
Common service price	4.610

### 8.3.3 Control system service prices

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

**Table 28: Control system service prices for reference tariffs RT11 and TRT2**

	Price (c/kW/day)
Control system service price (Generators)	0.209

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

**Table 29: Control system service prices for reference tariff TRT1**

	Price (c/kW/day)
Control system service price (Loads)	1.733

## 8.4 Excess network usage charges – substation classification

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

**Table 30: Values for ENUM for reference tariffs RT7, RT8, RT11, TRT1 and TRT2**

Substation	ENUM
All substations in pricing zone ‘Goldfields Mining’ in Table 18	2.5
Albany	2.5
All other substations	1

## 8.5 Other prices

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

**Table 31: Supply abolishment charges for RT25**

Location	Charge (\$)
Whole current meters metropolitan area <sup>3</sup>	392.13
Whole current meters non-Metropolitan area	499.46
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**.

**Table 32: Charges for RT26, RT27, RT28 and RT29**

Service	Charge per request (\$)
RT26	4.81
RT27	4.81
RT28	4.81
RT29	4.81

<sup>3</sup> As defined in the Electricity Industry (Metering) Code

## 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 33: 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 34: 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

Application for Reference Service	New Connection Point Fee
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
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/>