

Appendix F.1

2017/18 Price List

Amended proposed access arrangement

28 February 2019

Approved by the Economic Regulation Authority

28 February 2019

(as amended by corrigenda of 10 May 2019)

An appropriate citation for this paper is:

Appendix F.1

Western Power

363 Wellington Street

Perth WA 6000

GPO Box L921 Perth WA 6842

T: 13 10 87 | Fax: 08 9225 2660

TTY 1800 13 13 51 | TIS 13 14 50

Electricity Networks Corporation

ABN 18 540 492 861

enquiry@westernpower.com.au

westernpower.com.au

Enquiries about this report should be directed to:

AA4 Project Team

Email: AA4@westernpower.com.au

Contents

1. Introduction	1
2. Reference Services	2
3. Non-reference services	3
4. Distribution Tariff Application Guide	3
4.1 Reference Tariffs 1 and 2 (RT1 and RT2)	3
4.2 Reference Tariffs 3 and 4 (RT3 and RT4)	3
4.3 Reference Tariff 5 (RT5)	4
4.4 Reference Tariff 6 (RT6)	5
4.5 Reference Tariff 7 (RT7)	6
4.6 Reference Tariff 8 (RT8)	7
4.7 Reference Tariff 9 (RT9)	8
4.8 Reference Tariff 10 (RT10)	8
4.9 Reference Tariff 11 (RT11)	9
4.10 Reference Tariffs 13 and 14 (RT13 and RT14)	10
4.11 Reference Tariffs 15 and 16 (RT15 and RT16)	11
5. Transmission Tariff Application Guide	12
5.1 Transmission Reference Tariff 1 (TRT1)	12
5.2 Transmission Reference Tariff 2 (TRT2)	13
6. Price Tables	14
6.1 Prices for energy-based tariffs on the distribution network	14
6.2 Prices for demand-based tariffs on the distribution network (RT5 to RT8 and RT11)	17
6.3 Transmission prices	26

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.

For the avoidance of doubt, the prices within this price list have applied since 1 July 2016 and apply to all consumption from 1 July 2017 until 30 June 2018. 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 in that section provided by Western Power as stated in the company's access arrangement.

Sections 4 and 5 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 6 details all the prices that are required to calculate the charges.

2. Reference Services

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

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	RT5
A6 – Low Voltage Metered Demand Exit Service	RT6
A7 – High Voltage Contract Maximum Demand Exit Service	RT7
A8 – Low Voltage Contract Maximum Demand Exit Service	RT8
A9 – Streetlighting Exit Service	RT9
A10 – Un-Metered Supplies Exit Service	RT10
A11 – Transmission Exit Service	TRT1
B1 – Distribution Entry Service	RT11
B2 – Transmission Entry Service	TRT2
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

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. Distribution Tariff Application Guide

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.

4.1 Reference Tariffs 1 and 2 (RT1 and RT2)

Reference Tariffs RT1 and RT2 consist of:

- a. a fixed use of system charge (detailed in Table 1) which is payable each day;
- b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 1) by the quantity of electricity consumed at an exit point (expressed in kWh);
- c. a fixed metering charge per revenue meter (detailed in Table 1) which is payable each day; and
- d. a variable metering charge calculated by multiplying the variable price (detailed in Table 1) by the quantity of electricity consumed at an exit point (expressed in kWh).

4.2 Reference Tariffs 3 and 4 (RT3 and RT4)

Reference Tariffs RT3 and RT4 consist of:

- a. a fixed use of system charge (detailed in Table 1) 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 1) 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 1) by the quantity of off-peak electricity consumed at an exit point (expressed in kWh);
- d. a fixed metering charge per revenue meter (detailed in Table 1) which is payable each day;
- e. an on-peak variable metering charge calculated by multiplying the on-peak variable price (detailed in Table 1) by the quantity of on-peak electricity consumed at an exit point (expressed in kWh); and
- f. an off-peak variable metering charge calculated by multiplying the off-peak variable price (detailed in Table 1) by the quantity of off-peak electricity consumed at an exit point (expressed in kWh).

Notes:

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

	Monday – Friday (includes public holidays)			Saturday - Sunday
	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

4.3 Reference Tariff 5 (RT5)

4.3.1 Tariff Calculation

Reference Tariff RT5 consists of:

- a fixed metered demand charge (detailed in Table 4) which is payable each day based on the rolling 12-month maximum half-hourly demand at an exit 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 4) by the rolling 12-month maximum half-hourly demand at an exit 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 7) 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 9) which is payable each day.

Notes:

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

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

4.3.2 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 an exit point (expressed in kVA);
- DF is the discount factor, which is set at 50%
- E_{Off Peak} is the total off-peak energy for the billing period (expressed in kWh); and
- E_{Total} is the total energy (both on and off peak) for the billing period (expressed in kWh).

Notes:

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

4.4 Reference Tariff 6 (RT6)

4.4.1 Tariff Calculation

Reference Tariff RT6 consists of:

- a. a fixed metered demand charge (detailed in Table 5) which is payable each day based on the rolling 12-month maximum half-hourly demand at an exit point (expressed in kVA) multiplied by (1-Discout);
- b. a variable metered demand charge (detailed in Table 5) calculated by multiplying the demand price (in excess of lower threshold) by the rolling 12-month maximum half-hourly demand at an exit point (expressed in kVA) minus the lower threshold with the result multiplied by (1-Discout);
- 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 7) 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 9) which is payable each day

Notes:

1. This tariff is similar to RT5 in section 4.3 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):

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

4.4.2 Discount

The same formula detailed in section 4.3.2 also applies for RT6.

4.5 Reference Tariff 7 (RT7)

4.5.1 Tariff Calculation

Reference Tariff 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 6) which is payable each day; plus
 - ii. a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 6) by the CMD at an exit point (expressed in kVA) minus 1,000 kVA; plus
 - iii. a variable demand length charge calculated by multiplying the demand length price (detailed in Table 7) 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 6) by the CMD at an exit point (expressed in kVA); plus
 - ii. a variable demand length charge calculated by multiplying the demand length price (detailed in Table 8) 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 9) which is payable each day;
- d. a fixed administration charge (detailed in Table 10) which is payable each day; and
- e. excess network usage charges calculated in accordance with section 4.5.2 (if applicable).

Notes:

1. For exit points located at the zone substation the fixed and demand charge specified in sections 4.5.1 (a)(i), (a)(ii) & (b)(i) is to be calculated using the transmission component only. In all other instances, the fixed and demand charge specified in sections 4.5.1 (a)(i), (a)(ii) & (b)(i) is to be calculated using the bundled charge.

4.5.2 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 set at 2

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

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

Notes:

1. The ENUC does not include the metering or administration components of the tariff.

4.6 Reference Tariff 8 (RT8)

4.6.1 Tariff Calculation

Reference Tariff 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 6) which is payable each day; plus
 - ii. a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 6) by the CMD at an exit point (expressed in kVA) minus 1,000 kVA; plus
 - iii. a variable demand length charge calculated by multiplying the demand length price (detailed in Table 7) 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 6) by the CMD at an exit point (expressed in kVA); plus
 - ii. a variable demand length charge calculated by multiplying the demand length price (detailed in Table 8) 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 11) which is payable each day;
- d. a variable low voltage charge calculated by multiplying the low voltage demand price (detailed in Table 11) by the CMD at an exit point (expressed in kVA);
- e. a fixed metering charge per revenue meter (detailed in Table 9) which is payable each day;
- f. a fixed administration charge (detailed in Table 10) which is payable each day; and
- g. excess network usage charges calculated in accordance with section 4.6.2 (if applicable).

Notes:

1. This tariff is identical to RT7 in section 4.5, with an additional low voltage charge to cover the use of transformers and LV circuits.

4.6.2 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 set at 2

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

CMD is the nominated CMD for the billing period of the load (expressed in kVA)

DC_{Transmission} are the applicable transmission components of the fixed and variable demand charges for the billing period for the nominated CMD

DC_{Distribution} are the applicable distribution components of the fixed and variable demand charges for the billing period for the nominated CMD

DLC are the applicable variable demand length charges for the billing period for the nominated CMD

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.

4.7 Reference Tariff 9 (RT9)

Reference Tariff RT9 consists of:

- a. a fixed use of system charge (detailed in Table 1) which is payable each day;
- b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 1) 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 2 and Table 3).

4.8 Reference Tariff 10 (RT10)

Reference Tariff RT10 consists of:

- a. a fixed use of system charge (detailed in Table 1) which is payable each day; and

- b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 1) 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 1) which is payable each day; and
- b. the variable use of system charge for RT9 calculated by multiplying the energy price (detailed in Table 1) 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).

4.9 Reference Tariff 11 (RT11)

4.9.1 Tariff Calculation

Reference Tariff RT11 consists of:

- a. a variable connection charge calculated by multiplying the connection price (detailed in Table 12) 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 16) 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 14) 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 7) 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 7) 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 8) 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 8) 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 9) which is payable each day; and
- g. excess network usage charges calculated in accordance with section 4.9.2 (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 IMO for that generator.
2. For this reference tariff a unity power factor is assumed when converting between kW and kVA.

4.9.2 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 set at 2

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

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.

4.10 Reference Tariffs 13 and 14 (RT13 and RT14)

Reference Tariffs RT13 and RT14 consist of:

- a. a fixed use of system charge (detailed in Table 1) which is payable each day;
- b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 1) by the quantity of electricity consumed at an exit point (expressed in kWh);

- c. a fixed metering charge per revenue meter (detailed in Table 1) which is payable each day; and
- d. a variable metering charge calculated by multiplying the variable price (detailed in Table 1) by the quantity of electricity consumed at an exit point (expressed in kWh).

4.11 Reference Tariffs 15 and 16 (RT15 and RT16)

Reference Tariffs RT15 and RT16 consist of:

- a. a fixed use of system charge (detailed in Table 1) 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 1) 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 1) by the quantity of off-peak electricity consumed at an exit point (expressed in kWh);
- d. a fixed metering charge per revenue meter (detailed in Table 1) which is payable each day;
- e. an on-peak variable metering charge calculated by multiplying the on-peak variable price (detailed in Table 1) by the quantity of on-peak electricity consumed at an exit point (expressed in kWh); and
- f. an off-peak variable metering charge calculated by multiplying the off-peak variable price (detailed in Table 1) by the quantity of off-peak electricity consumed at an exit point (expressed in kWh).

Notes:

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

	Monday – Friday (includes public holidays)			Saturday - Sunday
	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. Transmission Tariff Application Guide

5.1 Transmission Reference Tariff 1 (TRT1)

5.1.1 Tariff Calculation

Reference Tariff 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 13 or where there is no applicable use of system price in Table 13 for the exit point, the price calculated by Western Power in accordance with Appendix A of the 2016/17 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 15) 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 17) by the CMD at the exit point (expressed in kW);
- e. a fixed metering charge per revenue meter (detailed in Table 18) which is payable each day; and
- f. excess network usage charges calculated in accordance with section 5.1.2 (if applicable).

5.1.2 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 set at 2
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

Note: The ENUC does not include the metering components of the tariff.

5.2 Transmission Reference Tariff 2 (TRT2)

5.2.1 Tariff Calculation

Reference Tariff 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 14 or where there is no applicable use of system price in Table 14 for the entry point, the price calculated by Western Power in accordance with Appendix A of the 2016/17 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 16) 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 18) which is payable each day; and
- e. excess network usage charges calculated in accordance with section 5.2.2 (if applicable).

5.2.2 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 set at 2
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
CSS	is the applicable variable control system service charge for the billing period

Note: The ENUC does not include the metering components of the tariff.

6. Price Tables

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

Table 6, Table 13 and Table 14 include a Transmission Node Identity (TNI) to uniquely identify zone substations.

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

6.1 Prices for energy-based tariffs on the distribution network

6.1.1 Use of system and metering prices

The prices in the following tables are applicable for reference tariffs **RT1, RT2, RT3, RT4, RT9, RT10, RT13, RT14, RT15** and **RT16**.

Table 1

	Fixed Price	Energy Rates		
	c/day	c/kWh	On Peak c/kWh	Off Peak c/kWh
Reference tariff 1 - RT1				
Transmission	0.000	1.496	-	-
Distribution	82.444	6.448	-	-
Bundled Tariff	82.444	7.944	-	-
Metering	3.834	0.800	-	-
Reference tariff 2 - RT2				
Transmission	0.000	1.775	-	-
Distribution	152.112	8.983	-	-
Bundled Tariff	152.112	10.758	-	-
Metering	3.834	0.800	-	-
Reference tariff 3 - RT3				
Transmission	0.000	-	2.704	0.568
Distribution	82.444	-	11.017	2.518
Bundled Tariff	82.444	-	13.721	3.086
Metering	3.834	-	1.020	1.020
Reference tariff 4 - RT4				
Transmission	0.000	-	2.796	0.675

	Fixed Price	Energy Rates		
	c/day	c/kWh	On Peak c/kWh	Off Peak c/kWh
Distribution	293.150	-	12.288	2.746
Bundled Tariff	293.150	-	15.084	3.421
Metering	7.668	-	0.270	0.270
Reference tariff 9 – RT9				
Transmission	0.000	0.940	-	-
Distribution	6.979	3.434	-	-
Bundled Tariff	6.979	4.374	-	-
Reference tariff 10 – RT10				
Transmission	0.000	0.620	-	-
Distribution	54.899	3.706	-	-
Bundled Tariff	54.899	4.326	-	-
Reference tariff 13 - RT13				
Transmission	0.000	1.496	-	-
Distribution	82.444	6.448	-	-
Bundled Tariff	82.444	7.944	-	-
Metering	3.834	0.800	-	-
Reference tariff 14 - RT14				
Transmission	0.000	1.775	-	-
Distribution	152.112	8.983	-	-
Bundled Tariff	152.112	10.758	-	-
Metering	3.834	0.800	-	-
Reference tariff 15 - RT15				
Transmission	0.000	-	2.704	0.568
Distribution	82.444	-	11.017	2.518
Bundled Tariff	82.444	-	13.721	3.086
Metering	3.834	-	1.020	1.020
Reference tariff 16 - RT16				

	Fixed Price	Energy Rates		
	c/day	c/kWh	On Peak c/kWh	Off Peak c/kWh
Transmission	0.000	-	2.796	0.675
Distribution	293.150	-	12.288	2.746
Bundled Tariff	293.150	-	15.084	3.421
Metering	7.668	-	0.270	0.270

6.1.2 Streetlight asset prices

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

Table 2 – Current light types

Light Specification	Daily Charge c/day
42W CFL SE	27.830
42W CFL BH	29.577
42W CFL KN	33.331
70W MH	48.648
70W HPS	23.926
125W MV	28.960
150W MH	56.206
150W HPS	31.474
250W MH	56.206
250W HPS	31.474
22W LED	16.656

Table 3 – Obsolete light types

Light Specification	Daily Charge c/day
50W MV	17.306
70W MV	23.293
80W MV	23.293
150W MV	28.960
250W MV	37.778
400W MV	39.665
40W FLU	17.306
80W HPS	23.926
125W HPS	31.474
100W INC	17.306
80W MH	23.293
125W MH	56.206

6.2 Prices for demand-based tariffs on the distribution network (RT5 to RT8 and RT11¹)

6.2.1 Demand charges

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

Table 4

	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	17.868	191.351	60.778	191.351	78.646
300 to 1000	5,360.400	13.228	18,424.751	43.386	23,785.151	56.614
1000 to 1500	14,620.000	7.557	48,794.951	18.723	63,414.951	26.280

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

Table 5

	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	17.868	1,098.170	62.808	1,098.170	80.676
300 to 1000	5,360.400	13.228	19,940.570	47.816	25,300.970	61.044
1000 to 1500	14,620.000	7.557	53,411.770	24.318	68,031.770	31.875

¹ Note that some components of RT11 are in section 6.3

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

Table 6

Zone Substation	TNI	Pricing Zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000
Cook Street	WCKT	CBD	13,424.658	14.439	14.294	32,919.726	11.806	14.822	46,344.384	26.245	29.116
Forrest Avenue	WFRT	CBD	13,424.658	14.439	14.294	32,919.726	11.806	14.822	46,344.384	26.245	29.116
Hay Street	WHAY	CBD	13,424.658	14.439	14.294	32,919.726	11.806	14.822	46,344.384	26.245	29.116
Milligan Street	WMIL	CBD	13,424.658	14.439	14.294	32,919.726	11.806	14.822	46,344.384	26.245	29.116
Wellington Street	WWNT	CBD	13,424.658	14.439	14.294	32,919.726	11.806	14.822	46,344.384	26.245	29.116
Black Flag	WBKF	Goldfields Mining	13,424.658	28.526	26.369	32,919.726	6.340	10.137	46,344.384	34.866	36.506
Boulder	WBLD	Goldfields Mining	13,424.658	26.344	24.498	32,919.726	6.340	10.137	46,344.384	32.684	34.635
Bounty	WBNY	Goldfields Mining	13,424.658	50.000	44.775	32,919.726	6.340	10.137	46,344.384	56.340	54.912
West Kalgoorlie	WWKT	Goldfields Mining	13,424.658	23.544	22.098	32,919.726	6.340	10.137	46,344.384	29.884	32.235
Albany	WALB	Mixed	13,424.658	27.272	25.294	32,919.726	13.915	16.630	46,344.384	41.187	41.924
Boddington	WBOD	Mixed	13,424.658	13.283	13.303	32,919.726	13.915	16.630	46,344.384	27.198	29.933
Bunbury Harbour	WBUH	Mixed	13,424.658	12.990	13.052	32,919.726	13.915	16.630	46,344.384	26.905	29.682
Busselton	WBSN	Mixed	13,424.658	18.865	18.088	32,919.726	13.915	16.630	46,344.384	32.780	34.718
Byford	WBYF	Mixed	13,424.658	13.964	13.887	32,919.726	13.915	16.630	46,344.384	27.879	30.517
Capel	WCAP	Mixed	13,424.658	16.761	16.284	32,919.726	13.915	16.630	46,344.384	30.676	32.914
Chapman	WCPN	Mixed	13,424.658	22.376	21.097	32,919.726	13.915	16.630	46,344.384	36.291	37.727
Darlington	WDTN	Mixed	13,424.658	15.607	15.295	32,919.726	13.915	16.630	46,344.384	29.522	31.925
Durlacher Street	WDUR	Mixed	13,424.658	20.200	19.232	32,919.726	13.915	16.630	46,344.384	34.115	35.862
Eneabba	WENB	Mixed	13,424.658	18.978	18.185	32,919.726	13.915	16.630	46,344.384	32.893	34.815

Zone Substation	TNI	Pricing Zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000
Geraldton	WGTN	Mixed	13,424.658	20.200	19.232	32,919.726	13.915	16.630	46,344.384	34.115	35.862
Marriott Road	WMRR	Mixed	13,424.658	12.543	12.669	32,919.726	13.915	16.630	46,344.384	26.458	29.299
Muchea	WMUC	Mixed	13,424.658	15.477	15.184	32,919.726	13.915	16.630	46,344.384	29.392	31.814
Northam	WNOR	Mixed	13,424.658	20.914	19.844	32,919.726	13.915	16.630	46,344.384	34.829	36.474
Picton	WPIC	Mixed	13,424.658	14.034	13.947	32,919.726	13.915	16.630	46,344.384	27.949	30.577
Rangeway	WRAN	Mixed	13,424.658	21.535	20.376	32,919.726	13.915	16.630	46,344.384	35.450	37.006
Sawyers Valley	WSVY	Mixed	13,424.658	19.145	18.328	32,919.726	13.915	16.630	46,344.384	33.060	34.958
Yanchep	WYCP	Mixed	13,424.658	15.425	15.139	32,919.726	13.915	16.630	46,344.384	29.340	31.769
Yilgarn	WYLN	Mixed	13,424.658	25.470	23.749	32,919.726	13.915	16.630	46,344.384	39.385	40.379
Baandee	WBDE	Rural	13,424.658	28.454	26.307	32,919.726	6.180	10.000	46,344.384	34.634	36.307
Beenup	WBNP	Rural	13,424.658	30.621	28.164	32,919.726	6.180	10.000	46,344.384	36.801	38.164
Bridgetown	WBTN	Rural	13,424.658	18.551	17.819	32,919.726	6.180	10.000	46,344.384	24.731	27.819
Carrabin	WCAR	Rural	13,424.658	31.287	28.735	32,919.726	6.180	10.000	46,344.384	37.467	38.735
Collie	WCOE	Rural	13,424.658	21.991	20.767	32,919.726	6.180	10.000	46,344.384	28.171	30.767
Coolup	WCLP	Rural	13,424.658	24.815	23.188	32,919.726	6.180	10.000	46,344.384	30.995	33.188
Cunderdin	WCUN	Rural	13,424.658	26.172	24.351	32,919.726	6.180	10.000	46,344.384	32.352	34.351
Katanning	WKAT	Rural	13,424.658	23.855	22.365	32,919.726	6.180	10.000	46,344.384	30.035	32.365
Kellerberrin	WKEL	Rural	13,424.658	27.702	25.662	32,919.726	6.180	10.000	46,344.384	33.882	35.662
Kojonup	WKOJ	Rural	13,424.658	16.457	16.024	32,919.726	6.180	10.000	46,344.384	22.637	26.024
Kondinin	WKDN	Rural	13,424.658	17.748	17.130	32,919.726	6.180	10.000	46,344.384	23.928	27.130
Manjimup	WMJP	Rural	13,424.658	18.401	17.690	32,919.726	6.180	10.000	46,344.384	24.581	27.690
Margaret River	WMRV	Rural	13,424.658	23.943	22.440	32,919.726	6.180	10.000	46,344.384	30.123	32.440
Merredin	WMER	Rural	13,424.658	25.096	23.429	32,919.726	6.180	10.000	46,344.384	31.276	33.429
Moora	WMOR	Rural	13,424.658	18.598	17.859	32,919.726	6.180	10.000	46,344.384	24.778	27.859
Mount Barker	WMBR	Rural	13,424.658	25.023	23.366	32,919.726	6.180	10.000	46,344.384	31.203	33.366
Narrogin	WNGN	Rural	13,424.658	28.269	26.148	32,919.726	6.180	10.000	46,344.384	34.449	36.148

Zone Substation	TNI	Pricing Zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000
Pinjarra	WPNJ	Rural	13,424.658	13.147	13.187	32,919.726	6.180	10.000	46,344.384	19.327	23.187
Regans	WRGN	Rural	13,424.658	19.198	18.373	32,919.726	6.180	10.000	46,344.384	25.378	28.373
Three Springs	WTSG	Rural	13,424.658	18.541	17.810	32,919.726	6.180	10.000	46,344.384	24.721	27.810
Wagerup	WWGP	Rural	13,424.658	12.514	12.644	32,919.726	6.180	10.000	46,344.384	18.694	22.644
Wagin	WWAG	Rural	13,424.658	24.195	22.656	32,919.726	6.180	10.000	46,344.384	30.375	32.656
Wundowie	WWUN	Rural	13,424.658	21.095	19.999	32,919.726	6.180	10.000	46,344.384	27.275	29.999
Yerbillon	WYER	Rural	13,424.658	30.475	28.039	32,919.726	6.180	10.000	46,344.384	36.655	38.039
Amherst	WAMT	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Arkana	WARK	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Australian Paper Mills	WAPM	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Balcatta	WBCT	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Beechboro	WBCH	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Belmont	WBEL	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Bentley	WBTY	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Bibra Lake	WBIB	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
British Petroleum	WBPM	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Canning Vale	WCVE	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Clarence Street	WCLN	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Clarkson	WCKN	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Cockburn Cement	WCCT	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Collier	WCOL	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Cottesloe	WCTE	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Edmund Street	WEDD	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Forrestfield	WFFD	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Gosnells	WGNL	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632

Zone Substation	TNI	Pricing Zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000
Hadfields	WHFS	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Hazelmere	WHZM	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Henley Brook	WHBK	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Herdsmen Parade	WHEP	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Joel Terrace	WJTE	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Joondalup	WJDP	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Kalamunda	WKDA	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Kambalda	WKBA	Urban	13,424.658	26.160	24.341	32,919.726	2.696	7.014	46,344.384	28.856	31.355
Kewdale	WKDL	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Landsdale	WLDE	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Maddington	WMDN	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Malaga	WMLG	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Mandurah	WMHA	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Manning Street	WMAG	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Mason Road	WMSR	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Meadow Springs	WMSS	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Medical Centre	WMCR	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Medina	WMED	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Midland Junction	WMJX	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Morley	WMOY	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Mullaloo	WMUL	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Mundaring Weir	WMWR	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Munday	WMDY	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Murdoch	WMUR	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632

Zone Substation	TNI	Pricing Zone	Transmission			Distribution			Bundled		
			Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000<kVA<7000	Demand Charge for kVA > 7000
Myaree	WMYR	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Nedlands	WNED	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
North Beach	WNBH	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
North Fremantle	WNFL	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
North Perth	WNPH	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
O'Connor	WOCN	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Osborne Park	WOPK	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Padbury	WPBY	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Piccadilly	WPCY	Urban	13,424.658	24.631	23.030	32,919.726	2.696	7.014	46,344.384	27.327	30.044
Riverton	WRTN	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Rivervale	WRVE	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Rockingham	WROH	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Shenton Park	WSPA	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Sth Ftle Power Station	WSFT	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Southern River	WSNR	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Tate Street	WTTS	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
University	WUNI	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Victoria Park	WVPA	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Waikiki	WWAI	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Wangara	WWGA	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Wanneroo	WWNO	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Welshpool	WWEL	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Wembley Downs	WWDN	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Willetton	WWLN	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632
Yokine	WYKE	Urban	13,424.658	14.817	14.618	32,919.726	2.696	7.014	46,344.384	17.513	21.632

6.2.2 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 7

	Demand-Length Charge	
Pricing Zone	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	1.662	1.163
Mining	0.352	0.246
Mixed	0.767	0.537
Rural	0.479	0.336

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 8

	Demand-Length Charge	
Pricing Zone	For first 10 km length (c/kVA.km/day)	For length in excess of 10 km (c/kVA.km/day)
CBD	0.000	0.000
Urban	1.425	0.997
Mining	0.301	0.211
Mixed	0.658	0.460
Rural	0.411	0.288

6.2.3 Metering prices

The prices in the following table are applicable for reference tariffs **RT5, RT6, RT7, RT8** and **RT11**.

Table 9

Metering Equipment Funding	Voltage	c/revenue meter/day
Western Power funded	High Voltage (6.6 kV or higher)	1127.730

Metering Equipment Funding	Voltage	c/revenue meter/day
	Low voltage (415 volts or less)	203.207
Customer funded	High Voltage (6.6 kV or higher)	550.278
	Low Voltage (415 volts or less)	99.155

6.2.4 Administration charges

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

Table 10

CMD	Price (c/day)
$\geq 7,000$ kVA	8,732.000
$< 7,000$ kVA	5,015.000

6.2.5 LV Prices

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

Table 11

Category	Price (c/day)
Fixed	1,068.986
Demand	10.111/kVA

6.2.6 Connection Price

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

Table 12

	Connection Price (c/kW/day)
Connection Price	1.290

6.3 Transmission prices

6.3.1 Use of system prices

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

Table 13

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	15.137
Alcoa Pinjarra	WAPJ	4.293
Amherst	WAMT	3.603
Arkana	WARK	4.599
Australian Fused Materials	WAFM	2.986
Australian Paper Mills	WAPM	4.656
Baandee (WC)	WBDE	16.225
Balcatta	WBCT	4.712
Beckenham	WBEC	11.887
Beechboro	WBCH	4.185
Beenup	WBNP	18.152
Belmont	WBEL	3.709
Bentley	WBTY	4.828
Bibra Lake	WBIB	3.315
Binningup Desalination Plant	WBDP	2.561
Black Flag	WBKF	16.545
Boddington Gold Mine	WBGGM	2.777

Substation	TNI	Use of System Price (c/kW/day)
Boddington	WBOD	2.707
Boulder	WBLD	14.586
Bounty	WBNY	35.831
Bridgetown	WBTN	7.414
British Petroleum	WBPM	6.402
Broken Hill Kwinana	WBHK	4.996
Bunbury Harbour	WBUH	2.448
Busselton	WBSN	7.668
Byford	WBYF	3.313
Canning Vale	WCVE	3.789
Capel	WCAP	5.798
Carrabin	WCAR	18.745
Cataby Kerr McGee	WKMC	6.914
Chapman	WCPN	10.787
Clarence Street	WCLN	6.226
Clarkson	WCKN	4.695
Cockburn Cement	WCCT	2.602
Cockburn Cement Ltd	WCCL	2.594
Collie	WCOE	10.474
Collier	WCOL	6.197
Cook Street	WCKT	4.459
Coolup	WCLP	12.987
Cottesloe	WCTE	4.829
Cunderdin	WCUN	14.195
Darlington	WDTN	4.773
Edgewater	WEDG	4.134
Edmund Street	WEDD	4.254
Eneabba	WENB	7.768

Substation	TNI	Use of System Price (c/kW/day)
Forrest Ave	WFRT	6.234
Forrestfield	WFFD	4.887
Geraldton	WGTN	8.853
Glen Iris	WGNI	2.889
Golden Grove	WGGV	23.204
Gosnells	WGNL	3.933
Hadfields	WHFS	4.728
Hay Street	WHAY	4.728
Hazelmere	WHZM	3.665
Henley Brook	WHBK	4.040
Herdsmen Parade	WHEP	7.170
Joel Terrace	WJTE	6.507
Joondalup	WJDP	4.430
Kalamunda	WKDA	4.993
Katanning	WKAT	12.133
Kellerberrin	WKEL	15.555
Kewdale	WKDL	3.635
Kojonup	WKOJ	5.551
Kondinin	WKDN	6.699
Kwinana Alcoa	WAKW	1.149
Kwinana Desalination Plant	WKDP	3.153
Kwinana PWS	WKPS	2.303
Landsdale	WLDE	4.261
Maddington	WMDN	3.829
Malaga	WMLG	3.639
Mandurah	WMHA	3.126
Manjimup	WMJP	7.280
Manning Street	WMAG	5.292

Substation	TNI	Use of System Price (c/kW/day)
Margaret River	WMRV	12.211
Marriott Road Barrack Silicon Smelter	WBSI	2.342
Marriott Road	WMRR	2.050
Mason Road	WMSR	1.828
Mason Road CSBP	WCBP	2.765
Mason Road Kerr McGee	WKMK	1.675
Meadow Springs	WMSS	3.545
Medical Centre	WMCR	5.609
Medina	WMED	2.639
Merredin 66kV	WMER	13.237
Midland Junction	WMJX	4.454
Milligan Street	WMIL	5.281
Moora	WMOR	7.456
Morley	WMOY	4.856
Mt Barker	WMBR	13.172
Muchea Kerr McGee	WKMM	7.035
Muchea	WMUC	4.658
Muja PWS	WMPS	1.400
Mullaloo	WMUL	4.577
Munday	WMDY	4.933
Murdoch	WMUR	2.951
Mundaring Weir	WMWR	7.147
Myaree	WMYR	5.638
Narrogin	WNGN	16.059
Nedlands	WNED	5.280
North Beach	WNBH	4.712
North Fremantle	WNFL	4.740
North Perth	WNPH	4.022

Substation	TNI	Use of System Price (c/kW/day)
Northam	WNOR	9.488
Nowgerup	WNOW	5.435
O'Connor	WOCN	4.917
Osborne Park	WOPK	5.110
Padbury	WPBY	4.774
Parkeston	WPRK	16.603
Parklands	WPLD	3.644
Piccadilly	WPCY	13.204
Picton 66kv	WPIC	3.375
Pinjarra	WPNJ	2.606
Rangeway	WRAN	10.040
Regans	WRGN	7.989
Riverton	WRTN	3.263
Rivervale	WRVE	5.072
Rockingham	WROH	2.795
Sawyers Valley	WSVY	7.917
Shenton Park	WSPA	5.492
Southern River	WSNR	3.425
South Fremantle 22kV	WSFT	3.551
Summer St	WSUM	6.716
Sutherland	WSRD	4.022
Tate Street	WTTS	5.671
Three Springs	WTSG	7.405
Three Springs Terminal (Karara)	WTST	17.883
Tomlinson Street	WTLN	5.746
University	WUNI	6.089
Victoria Park	WVPA	5.545
Wagerup	WWGP	2.042

Substation	TNI	Use of System Price (c/kW/day)
Wagin	WWAG	12.435
Waikiki	WWAI	3.056
Wangara	WWGA	4.375
Wanneroo	WWNO	4.605
Wellington Street	WWNT	6.683
Welshpool	WWEL	3.613
Wembley Downs	WWDN	5.392
West Kalgoorlie	WWKT	12.070
Western Collieries	WWCL	2.055
Western Mining	WWMG	2.415
Westrailian Sands	WWSD	5.257
Willetton	WWLN	3.472
Worsley	WWOR	1.705
Wundowie	WWUN	9.677
Yanchep	WYCP	4.611
Yerbillon	WYER	18.023
Yilgarn	WYLN	13.536
Yokine	WYKE	4.995

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

Table 14

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	1.942
Boulder	WBLD	1.407
Bluewaters	WBWP	1.956
Cockburn PWS	WCKB	1.186
Collgar	WCGW	2.245
Collie PWS	WCPS	2.276
Emu Downs	WEMD	1.983
Geraldton	WGTN	0.333
Greenough Solar Farm	TMGS	0.424
Kemerton PWS	WKEM	1.581
Kwinana Alcoa	WAKW	1.223
Kwinana Donaldson Road	WKND	0.928
Kwinana PWS	WKPS	1.186
Landwehr (Alinta)	WLWT	1.476
Mason Road	WMSR	0.928
Merredin Power Station	TMDP	1.635
Muja PWS	WMPS	2.388
Mumbida Wind Farm	TMBW	2.012
Mungarra GTs	WMGA	1.976
Newgen Kwinana	WNGK	1.380
Newgen Neerabup	WGNN	1.216
Oakley (Alinta)	WOLY	1.646
Parkeston	WPKS	1.697
Pinjar GTs	WPJR	0.986
Alcoa Pinjarra	WAPJ	1.728
Tiwest GT	WKMK	0.959

Substation	TNI	Use of System Price (c/kW/day)
Wagerup	WWGP	1.361
Walkaway Windfarm	WWWF	2.183
West Kalgoorlie GTs	WWKT	1.380
Worsley	WWOR	1.546

6.3.2 Common Service Prices

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

Table 15

	Common Service Price (c/kW/day)
Common Service Price	4.300

6.3.3 Control System Service Prices

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

Table 16

	Price (c/kW/day)
Control System Service Price (Generators)	0.199

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

Table 17

	Price (c/kW/day)
Control System Service Price (Loads)	1.624

6.3.4 Metering prices

The prices in the following table are applicable for reference tariffs **TRT1** and **TRT2**.

Table 18

	c/metering unit/day
Transmission Metering	4,233.137