

2018/2019 Price List

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2018/2019 Price List

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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 2018 and ending on 30 June 2019.

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 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 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 2.1: 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	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
D1 – Residential Time of Use Energy Service	RT17
D2 – Business Time of Use Energy Service	RT18
D3 – Residential Time of Use Demand Service	RT19
D4 – Business Time of Use Demand Service	RT20

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)

RT1 and RT2 consist of:

- a. a fixed use of system charge (detailed in Table 6.1) which is payable each day;
- b. a variable use of system charge calculated by multiplying the energy price (detailed in **Error! Reference source not found.**) 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 6.10) which is payable each day.

4.2 Reference tariffs 3 and 4 (RT3 and RT4)

RT3 and RT4 consist of:

- a. a fixed use of system charge (detailed in Table 6.1) 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 6.1) 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 6.1) 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 6.10**Error! Reference source not found.**) 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)):

	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

RT5 consists of:

- a fixed metered demand charge (detailed in Table 6.5) 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);
- a variable metered demand charge calculated by multiplying the demand price (in excess of the lower threshold and detailed in Table 6.5) 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);
- 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 6.8) 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 6.10) which is payable each day.

Notes:

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

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

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

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

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

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 30%

$E_{\text{Off Peak}}$ 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

RT6 consists of:

- a. a fixed metered demand charge (detailed in Table 6.6) 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);
- b. a variable metered demand charge (detailed in Table 6.6) 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-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 6.8) 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 6.10) 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 Western Standard Time (WST)):

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

4.4.2 Discount

Identical to RT5 detailed in section 4.3.2.

4.5 Reference tariff 7 (RT7)

4.5.1 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 6.7) which is payable each day; plus
- ii. a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 6.7) 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 6.8) 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 6.7) 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 6.9) 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 6.10) which is payable each day;
- d. a fixed administration charge (detailed in Table 6.11) which is payable each day; and
- e. excess network usage charges (if applicable).

Notes:

For exit points located at the zone substation the fixed and variable 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 variable 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 defined in Table 6.19.

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:

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

4.6 Reference tariff 8 (RT8)

4.6.1 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 6.7) which is payable each day; plus
 - ii. a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 6.7) 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 6.8) 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 6.7) 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 6.9) 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 6.12) which is payable each day;
- d. a variable low voltage charge calculated by multiplying the low voltage demand price (detailed in Table 6.12) by the CMD at an exit point (expressed in kVA);
- e. a fixed metering charge per revenue meter (detailed in Table 6.10) which is payable each day;
- f. a fixed administration charge (detailed in Table 6.11) which is payable each day; and
- g. excess network usage charges (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 defined in Table 6.19.

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)

RT9 consists of:

- a. a fixed use of system charge (detailed in Table 6.1) which is payable each day;
- b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 6.1) 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 6.3 and Table 6.4).

4.8 Reference tariff 10 (RT10)

RT10 consists of:

- a. a fixed use of system charge (detailed in Table 6.1) which is payable each day; and

- b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 6.1) 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 6.1) which is payable each day; and
- b. the variable use of system charge for RT9 calculated by multiplying the energy price (detailed in Table 6.1) 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

RT11 consists of:

- a. a variable connection charge calculated by multiplying the connection price (detailed in Table 6.13) 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 6.17) 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 6.15) 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 6.8) 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 6.8) 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 6.9) 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 6.9) 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 6.10) which is payable each day; and
- g. excess network usage charges (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:

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

Where

$$ENUC_{\text{Transmission}} = ENUM * (PD_{\text{kW}} - DSOC_{\text{kW}}) * TEPC / DSOC_{\text{kW}}$$

$$ENUC_{\text{Distribution}} = ENUM * (PD_{\text{kVA}} - DSOC_{\text{kVA}}) * (DLC) / DSOC_{\text{kVA}}$$

ENUM is the Excess network usage multiplier factor, which is defined in Table 6.19.

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)

RT13 and RT14 consist of:

- a. a fixed use of system charge (detailed in Table 6.1) which is payable each day;
- b. a variable use of system charge calculated by multiplying the energy price (detailed in Table 6.1) 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 6.10 **Error! Reference source not found.**) which is payable each day;

4.11 Reference tariffs 15 and 16 (RT15 and RT16)

RT15 and RT16 consist of:

- a. a fixed use of system charge (detailed in Table 6.1) 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 6.1) 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 6.1) 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 6.10) 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)):

	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

4.12 Reference tariffs 17 and 18 (RT17 and RT18)

RT17 and RT18 consist of:

- a. a fixed use of system charge (detailed in Table 6.1) 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 6.1) 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 6.1) 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 6.1) by the quantity of off-peak electricity consumed at the connection point (expressed in kWh);
- e. a fixed metering charge per revenue meter (detailed in Table 6.10) 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 Western Standard Time (WST))

4.13 Reference tariffs 19 and 20 (RT19 and RT20)

RT19 and RT20 consist of:

- a. a fixed use of system charge (detailed in Table 6.2) which is payable each day;
- b. a demand based charge calculated by multiplying the demand charge (detailed in Table 6.2) by the maximum demand in a 30 minute period within the on-peak period defined below at the connection point (expressed in kVA);
- c. an on-peak use of system variable charge calculated by multiplying the on-peak energy price (detailed in Table 6.2) 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 6.2) 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 6.2) by the quantity of off-peak electricity consumed at the connection point (expressed in kWh);
- f. a fixed metering charge per revenue meter (detailed in Table 6.10) 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 Western Standard Time (WST)):

	Monday – Friday (excludes public holidays)			Saturday - Sunday
	Off-peak	Shoulder	On-Peak	Off-Peak
RT17 – RT20	12:00am – 12:00pm	12:00pm – 3:00 pm	3:00pm – 9:00pm	9:00pm – 12:00am All times

5. Transmission tariff application guide

5.1 Transmission reference tariff (TRT1)

5.1.1 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 6.14 or where there is no applicable use of system price in Table 6.14 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 6.16) 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 6.18) by the CMD at the exit point (expressed in kW);
- e. a fixed metering charge per revenue meter (detailed in Table 6.10) which is payable each day; and
- f. excess network usage charges (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 defined in Table 6.19.

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

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 6.15 or where there is no applicable use of system price in Table 6.15 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 6.17) 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 6.10) which is payable each day; and
- e. excess network usage charges (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 defined in Table 6.19.

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:

1. 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 6.7, Table 6.14 and Table 6.15 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 prices

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

Table 6.1: Reference tariffs prices

	Fixed Price	Energy Rates			
	c/day	Anytime c/kWh	On Peak c/kWh	Shoulder c/kWh	Off Peak c/kWh
Reference tariff 1 - RT1					
Transmission	0.000	1.595			-
Distribution	86.696	6.917			-
Bundled tariff	86.696	8.512			-
Reference tariff 2 - RT2					
Transmission	0.000	1.950			-
Distribution	184.495	9.685			-
Bundled tariff	184.495	11.635			-
Reference tariff 3 - RT3					
Transmission	0.000		2.794		0.595
Distribution	90.072		13.107		1.963
Bundled tariff	90.072		15.901		2.558
Reference tariff 4 - RT4					
Transmission	0.000		3.100		0.680
Distribution	310.413		13.023		2.686
Bundled tariff	310.413		16.123		3.366

Reference tariff 9 – RT9					
Transmission	0.000	1.042			
Distribution	7.506	3.049			
Bundled tariff	7.506	4.091			
Reference tariff 10 – RT10					
Transmission	0.000	0.687			
Distribution	58.066	3.489			
Bundled tariff	58.066	4.176			
Reference tariff 13 - RT13					
Transmission	0.000	1.595			
Distribution	86.696	6.917			
Bundled tariff	86.696	8.512			
Reference tariff 14 - RT14					
Transmission	0.000	1.950			
Distribution	184.495	9.685			
Bundled tariff	184.495	11.635			
Reference tariff 15 - RT15					
Transmission	0.000		2.794		0.595
Distribution	90.072		13.107		1.963
Bundled tariff	90.072		15.901		2.558
Reference tariff 16 - RT16					
Transmission	0.000		3.100		0.680
Distribution	310.413		13.023		2.686
Bundled tariff	310.413		16.123		3.366
Reference tariff 17 - RT17					
Transmission	0.000		1.595	1.595	1.595
Distribution	86.696		6.917	6.917	6.917
Bundled tariff	86.696		8.512	8.512	8.512

Reference tariff 18 - RT18					
Transmission	0.000		1.950	1.950	1.950
Distribution	184.495		9.685	9.685	9.685
Bundled tariff	184.495		11.635	11.635	11.635

The prices in the following tables are applicable for reference tariffs **RT19 and RT20**.

Table 6.2: Reference tariffs for RT19 and RT20

	Fixed Price		Energy Rates		
	c/day	Demand c/kW	On Peak c/kWh	Shoulder c/kWh	Off Peak c/kWh
Reference tariff 19 - RT19					
Transmission	0.000	1.656	1.436	1.436	1.436
Distribution	86.696	3.600	6.225	6.225	6.225
Bundled tariff	86.696	5.256	7.661	7.661	7.661
Reference tariff 20 - RT20					
Transmission	0.000	1.854	1.755	1.755	1.755
Distribution	184.495	4.330	8.717	8.717	8.717
Bundled tariff	184.495	6.184	10.472	10.472	10.472

6.1.2 Streetlight asset prices

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

Table 6.3: Current light types

Light specification	Daily charge c/day
42W CFL SE	23.223
42W CFL BH	24.681
42W CFL KN	27.814
70W MH	40.596
70W HPS	19.966
125W MV	24.166
150W MH	46.902
150W HPS	26.264
250W MH	46.902
250W HPS	26.264
22W LED	16.656

Table 6.4: Obsolete light types

Light specification	Daily charge c/day
50W MV	14.441
70W MV	19.437
80W MV	19.437
150W MV	24.166
250W MV	31.524
400W MV	33.099
40W FLU	14.441
80W HPS	19.966
125W HPS	26.264
100W INC	14.441
80W MH	19.437
125W MH	46.902

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 6.5: 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	19.427	201.346	65.427	201.346	84.854
300 to 1000	5,828.105	14.382	19,829.369	47.209	25,657.474	61.591
1000 to 1500	15,895.622	8.216	52,875.487	20.241	68,771.109	28.457

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

Table 6.6: Prices for reference tariff RT6

Demand (kVA) (Lower to upper threshold)	Transmission		Distribution		Bundled tariff	
	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day
0 to 300	0.000	19.427	1,147.531	67.545	1,147.531	86.972
300 to 1000	5,828.105	14.382	21,410.992	51.831	27,239.097	66.213
1000 to 1500	15,895.622	8.216	57,692.728	26.079	73,588.350	34.295

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 6.7: 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	14,595.984	15.699	15.541	34,963.400	12.216	15.465	49,559.384	27.915	31.006
Forrest Avenue	WFRT	CBD	14,595.984	15.699	15.541	34,963.400	12.216	15.465	49,559.384	27.915	31.006
Hay Street	WHAY	CBD	14,595.984	15.699	15.541	34,963.400	12.216	15.465	49,559.384	27.915	31.006
Milligan Street	WMIL	CBD	14,595.984	15.699	15.541	34,963.400	12.216	15.465	49,559.384	27.915	31.006
Wellington Street	WWNT	CBD	14,595.984	15.699	15.541	34,963.400	12.216	15.465	49,559.384	27.915	31.006
Black Flag	WBKF	Goldfields Mining	14,595.984	31.015	28.670	34,963.400	6.513	10.577	49,559.384	37.528	39.247
Boulder	WBLD	Goldfields Mining	14,595.984	28.643	26.635	34,963.400	6.513	10.577	49,559.384	35.156	37.212
Bounty	WBNY	Goldfields Mining	14,595.984	54.363	48.682	34,963.400	6.513	10.577	49,559.384	60.876	59.259
West Kalgoorlie	WWKT	Goldfields Mining	14,595.984	25.598	24.026	34,963.400	6.513	10.577	49,559.384	32.111	34.603
Albany	WALB	Mixed	14,595.984	29.652	27.501	34,963.400	14.417	17.352	49,559.384	44.069	44.853
Boddington	WBOD	Mixed	14,595.984	14.442	14.464	34,963.400	14.417	17.352	49,559.384	28.859	31.816
Bunbury Harbour	WBUH	Mixed	14,595.984	14.123	14.191	34,963.400	14.417	17.352	49,559.384	28.540	31.543
Busseton	WBSN	Mixed	14,595.984	20.511	19.666	34,963.400	14.417	17.352	49,559.384	34.928	37.018
Byford	WBYF	Mixed	14,595.984	15.182	15.099	34,963.400	14.417	17.352	49,559.384	29.599	32.451
Capel	WCAP	Mixed	14,595.984	18.223	17.705	34,963.400	14.417	17.352	49,559.384	32.640	35.057
Chapman	WCPN	Mixed	14,595.984	24.328	22.938	34,963.400	14.417	17.352	49,559.384	38.745	40.290
Darlington	WDTN	Mixed	14,595.984	16.969	16.630	34,963.400	14.417	17.352	49,559.384	31.386	33.982
Durlacher Street	WDUR	Mixed	14,595.984	21.962	20.910	34,963.400	14.417	17.352	49,559.384	36.379	38.262
Eneabba	WENB	Mixed	14,595.984	20.634	19.772	34,963.400	14.417	17.352	49,559.384	35.051	37.124
Geraldton	WGTN	Mixed	14,595.984	21.962	20.910	34,963.400	14.417	17.352	49,559.384	36.379	38.262

Marriott Road	WMRR	Mixed	14,595.984	13.637	13.774	34,963.400	14.417	17.352	49,559.384	28.054	31.126
Muchea	WMUC	Mixed	14,595.984	16.827	16.509	34,963.400	14.417	17.352	49,559.384	31.244	33.861
Northam	WNOR	Mixed	14,595.984	22.739	21.575	34,963.400	14.417	17.352	49,559.384	37.156	38.927
Picton	WPIC	Mixed	14,595.984	15.258	15.164	34,963.400	14.417	17.352	49,559.384	29.675	32.516
Rangeway	WRAN	Mixed	14,595.984	23.414	22.154	34,963.400	14.417	17.352	49,559.384	37.831	39.506
Sawyers Valley	WSVY	Mixed	14,595.984	20.815	19.927	34,963.400	14.417	17.352	49,559.384	35.232	37.279
Yanchep	WYCP	Mixed	14,595.984	16.771	16.460	34,963.400	14.417	17.352	49,559.384	31.188	33.812
Yilgarn	WYLN	Mixed	14,595.984	27.692	25.821	34,963.400	14.417	17.352	49,559.384	42.109	43.173
Baandee	WBDE	Rural	14,595.984	30.937	28.602	34,963.400	6.346	10.434	49,559.384	37.283	39.036
Beenup	WBNP	Rural	14,595.984	33.293	30.621	34,963.400	6.346	10.434	49,559.384	39.639	41.055
Bridgetown	WBTN	Rural	14,595.984	20.170	19.374	34,963.400	6.346	10.434	49,559.384	26.516	29.808
Carrabin	WCAR	Rural	14,595.984	34.017	31.242	34,963.400	6.346	10.434	49,559.384	40.363	41.676
Collie	WCOE	Rural	14,595.984	23.910	22.579	34,963.400	6.346	10.434	49,559.384	30.256	33.013
Coolup	WCLP	Rural	14,595.984	26.980	25.211	34,963.400	6.346	10.434	49,559.384	33.326	35.645
Cunderdin	WCUN	Rural	14,595.984	28.456	26.476	34,963.400	6.346	10.434	49,559.384	34.802	36.910
Katanning	WKAT	Rural	14,595.984	25.936	24.316	34,963.400	6.346	10.434	49,559.384	32.282	34.750
Kellerberrin	WKEL	Rural	14,595.984	30.119	27.901	34,963.400	6.346	10.434	49,559.384	36.465	38.335
Kojonup	WKOJ	Rural	14,595.984	17.893	17.422	34,963.400	6.346	10.434	49,559.384	24.239	27.856
Kondinin	WKDN	Rural	14,595.984	19.297	18.625	34,963.400	6.346	10.434	49,559.384	25.643	29.059
Manjimup	WMJP	Rural	14,595.984	20.007	19.233	34,963.400	6.346	10.434	49,559.384	26.353	29.667
Margaret River	WMRV	Rural	14,595.984	26.032	24.398	34,963.400	6.346	10.434	49,559.384	32.378	34.832
Merredin	WMER	Rural	14,595.984	27.286	25.473	34,963.400	6.346	10.434	49,559.384	33.632	35.907
Moora	WMOR	Rural	14,595.984	20.221	19.417	34,963.400	6.346	10.434	49,559.384	26.567	29.851
Mount Barker	WMBR	Rural	14,595.984	27.206	25.405	34,963.400	6.346	10.434	49,559.384	33.552	35.839
Narrogin	WNGN	Rural	14,595.984	30.736	28.429	34,963.400	6.346	10.434	49,559.384	37.082	38.863
Pinjarra	WPNJ	Rural	14,595.984	14.294	14.338	34,963.400	6.346	10.434	49,559.384	20.640	24.772
Regans	WRGN	Rural	14,595.984	20.873	19.976	34,963.400	6.346	10.434	49,559.384	27.219	30.410
Three Springs	WTSG	Rural	14,595.984	20.159	19.364	34,963.400	6.346	10.434	49,559.384	26.505	29.798
Wagerup	WWGP	Rural	14,595.984	13.606	13.747	34,963.400	6.346	10.434	49,559.384	19.952	24.181

Wagin	WWAG	Rural	14,595.984	26.306	24.633	34,963.400	6.346	10.434	49,559.384	32.652	35.067
Wundowie	WWUN	Rural	14,595.984	22.936	21.744	34,963.400	6.346	10.434	49,559.384	29.282	32.178
Yerbillon	WYER	Rural	14,595.984	33.134	30.485	34,963.400	6.346	10.434	49,559.384	39.480	40.919
Amherst	WAMT	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Arkana	WARK	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Australian Paper Mills	WAPM	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Balcatta	WBCT	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Beechboro	WBCH	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Belmont	WBEL	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Bentley	WBTY	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Bibra Lake	WBIB	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
British Petroleum	WBPM	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Canning Vale	WCVE	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Clarence Street	WCLN	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Clarkson	WCKN	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Cockburn Cement	WCCT	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Collier	WCOL	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Cottesloe	WCTE	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Edmund Street	WEDD	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Forrestfield	WFFD	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Gosnells	WGNL	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Hadfields	WHFS	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Hazelmere	WHZM	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Henley Brook	WHBK	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Herdsmen Parade	WHEP	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Joel Terrace	WJTE	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Joondalup	WJDP	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Kalamunda	WKDA	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211

Kambalda	WKBA	Urban	14,595.984	28.443	26.465	34,963.400	2.711	7.318	49,559.384	31.154	33.783
Kewdale	WKDL	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Landsdale	WLDE	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Maddington	WMDN	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Malaga	WMLG	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Mandurah	WMHA	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Manning Street	WMAG	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Mason Road	WMSR	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Meadow Springs	WMSS	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Medical Centre	WMCR	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Medina	WMED	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Midland Junction	WMJX	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Morley	WMOY	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Mullaloo	WMUL	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Mundaring Weir	WMWR	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Munday	WMDY	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Murdoch	WMUR	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Myaree	WMYR	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Nedlands	WNED	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
North Beach	WNBH	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
North Fremantle	WNFL	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
North Perth	WNPH	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
O'Connor	WOCN	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Osborne Park	WOPK	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Padbury	WPBY	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Piccadilly	WPCY	Urban	14,595.984	26.780	25.039	34,963.400	2.711	7.318	49,559.384	29.491	32.357
Riverton	WRTN	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Rivervale	WRVE	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211

Rockingham	WROH	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Shenton Park	WSPA	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Sth Ftle Power Station	WSFT	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Southern River	WSNR	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Tate Street	WTTS	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
University	WUNI	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Victoria Park	WVPA	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Waikiki	WWAI	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Wangara	WWGA	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Wanneroo	WWNO	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Welshpool	WWEL	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Wembley Downs	WWDN	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Willetton	WWLN	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211
Yokine	WYKE	Urban	14,595.984	16.110	15.893	34,963.400	2.711	7.318	49,559.384	18.821	23.211

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 6.8: 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	1.828	1.279
Mining	0.387	0.271
Mixed	0.844	0.591
Rural	0.527	0.370

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 6.9: 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	1.568	1.097
Mining	0.331	0.232
Mixed	0.724	0.506
Rural	0.452	0.317

6.2.3 Metering prices

The prices in the following table are applicable for all reference tariffs.

Table 6.10: Metering prices

	c/revenue meter/day
Distribution connected customer	8.812
Transmission connected customer	2,206.269

6.2.4 Administration charges

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

Table 6.11: Administration charges for RT7 and RT8

CMD	Price (c/day)
$\geq 7,000$ kVA	9,605.200
$< 7,000$ kVA	5,516.500

6.2.5 LV prices

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

Table 6.12: LV prices RT8

Category	Price (c/day)
Fixed	1,068.986
Demand	10.374/kVA

6.2.6 Connection price

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

Table 6.13: Connection Price RT11

	Connection Price (c/kW/day)
Connection price	1.419

6.3 Transmission prices

6.3.1 Use of system prices

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

Table 6.14: Transmission prices TRT1

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	16.651
Alcoa Pinjarra	WAPJ	4.722
Amherst	WAMT	3.963
Arkana	WARK	5.059
Australian Fused Materials	WAFM	3.285
Australian Paper Mills	WAPM	5.122
Baandee (WC)	WBDE	17.848
Balcatta	WBCT	5.183
Beckenham	WBEC	13.075
Beechboro	WBCH	4.604
Beenup	WBNP	19.968

Substation	TNI	Use of System Price (c/kW/day)
Belmont	WBEL	4.080
Bentley	WBTY	5.311
Bibra Lake	WBIB	3.646
Binningup Desalination Plant	WBDP	2.817
Black Flag	WBKF	18.200
Boddington Gold Mine	WBGGM	3.055
Boddington	WBOD	2.978
Boulder	WBLD	16.044
Bounty	WBNY	39.414
Bridgetown	WBTN	8.155
British Petroleum	WBPM	7.042
Broken Hill Kwinana	WBHK	5.496
Bunbury Harbour	WBUH	2.693
Busselton	WBSN	8.435
Byford	WBYF	3.645
Canning Vale	WCVE	4.168
Capel	WCAP	6.378
Carrabin	WCAR	20.619
Cataby Kerr McGee	WKMC	7.605
Chapman	WCPN	11.865
Clarence Street	WCLN	6.849
Clarkson	WCKN	5.164
Cockburn Cement	WCCT	2.862
Cockburn Cement Ltd	WCCL	2.853
Collie	WCOE	11.522
Collier	WCOL	6.816
Cook Street	WCKT	4.905

Substation	TNI	Use of System Price (c/kW/day)
Coolup	WCLP	14.286
Cottesloe	WCTE	5.312
Cunderdin	WCUN	15.614
Darlington	WDTN	5.250
Edgewater	WEDG	4.548
Edmund Street	WEDD	4.680
Eneabba	WENB	8.545
Forrest Ave	WFRT	6.858
Forrestfield	WFFD	5.376
Geraldton	WGTN	9.739
Glen Iris	WGNI	3.178
Golden Grove	WGGV	25.524
Gosnells	WGNL	4.326
Hadfields	WHFS	5.201
Hay Street	WHAY	5.201
Hazelmere	WHZM	4.031
Henley Brook	WHBK	4.444
Herdsmen Parade	WHEP	7.887
Joel Terrace	WJTE	7.158
Joondalup	WJDP	4.873
Kalamunda	WKDA	5.492
Katanning	WKAT	13.346
Kellerberrin	WKEL	17.111
Kewdale	WKDL	3.999
Kojonup	WKOJ	6.106
Kondinin	WKDN	7.369
Kwinana Alcoa	WAKW	1.264

Substation	TNI	Use of System Price (c/kW/day)
Kwinana Desalination Plant	WKDP	3.468
Kwinana PWS	WKPS	2.533
Landsdale	WLDE	4.687
Maddington	WMDN	4.212
Malaga	WMLG	4.002
Mandurah	WMHA	3.438
Manjimup	WMJP	8.008
Manning Street	WMAG	5.822
Margaret River	WMRV	13.432
Marriott Road Barrack Silicon Smelter	WBSI	2.576
Marriott Road	WMRR	2.255
Mason Road	WMSR	2.011
Mason Road CSBP	WCBP	3.042
Mason Road Kerr McGee	WKMK	1.842
Meadow Springs	WMSS	3.900
Medical Centre	WMCR	6.170
Medina	WMED	2.903
Merredin 66kV	WMER	14.561
Midland Junction	WMJX	4.899
Milligan Street	WMIL	5.810
Moora	WMOR	8.201
Morley	WMOY	5.342
Mt Barker	WMBR	14.489
Muchea Kerr McGee	WKMM	7.738
Muchea	WMUC	5.124
Muja PWS	WMPS	1.540
Mullaloo	WMUL	5.035

Substation	TNI	Use of System Price (c/kW/day)
Munday	WMDY	5.426
Murdoch	WMUR	3.247
Mundaring Weir	WMWR	7.861
Myaree	WMYR	6.202
Narrogin	WNGN	17.665
Nedlands	WNED	5.808
North Beach	WNBH	5.183
North Fremantle	WNFL	5.214
North Perth	WNPH	4.424
Northam	WNOR	10.437
Nowgerup	WNOW	5.979
O'Connor	WOCN	5.409
Osborne Park	WOPK	5.621
Padbury	WPBY	5.252
Parkeston	WPRK	18.263
Parklands	WPLD	4.009
Piccadilly	WPCY	14.524
Picton 66kv	WPIC	3.713
Pinjarra	WPNJ	2.867
Rangeway	WRAN	11.044
Regans	WRGN	8.788
Riverton	WRTN	3.589
Rivervale	WRVE	5.579
Rockingham	WROH	3.074
Sawyers Valley	WSVY	8.708
Shenton Park	WSPA	6.041
Southern River	WSNR	3.768

Substation	TNI	Use of System Price (c/kW/day)
South Fremantle 22kV	WSFT	3.906
Summer St	WSUM	7.388
Sutherland	WSRD	4.424
Tate Street	WTTS	6.238
Three Springs	WTSG	8.146
Three Springs Terminal (Karara)	WTST	19.672
Tomlinson Street	WTLN	6.320
University	WUNI	6.698
Victoria Park	WVPA	6.100
Wagerup	WWGP	2.246
Wagin	WWAG	13.678
Waikiki	WWAI	3.361
Wangara	WWGA	4.813
Wanneroo	WWNO	5.065
Wellington Street	WWNT	7.351
Welshpool	WWEL	3.974
Wembley Downs	WWDN	5.931
West Kalgoorlie	WWKT	13.277
Western Collieries	WWCL	2.261
Western Mining	WWMG	2.656
Westralian Sands	WWSD	5.783
Willetton	WWLN	3.819
Worsley	WWOR	1.876
Wundowie	WWUN	10.645
Yanchep	WYCP	5.072
Yerbillon	WYER	19.825
Yilgarn	WYLN	14.890

Substation	TNI	Use of System Price (c/kW/day)
Yokine	WYKE	5.494

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

Table 6.15: Reference tariffs RT11 and TRT2

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	2.136
Boulder	WBLD	1.548
Bluewaters	WBWP	2.151
Cockburn PWS	WCKB	1.304
Collgar	WCGW	2.469
Collie PWS	WCPS	2.503
Emu Downs	WEMD	2.181
Geraldton	WGTN	0.366
Greenough Solar Farm	TMGS	0.466
Kemerton PWS	WKEM	1.739
Kwinana Alcoa	WAKW	1.345
Kwinana Donaldson Road	WKND	1.021
Kwinana PWS	WKPS	1.304
Landwehr (Alinta)	WLWT	1.623
Mason Road	WMSR	1.021
Merredin Power Station	TMDP	1.798
Muja PWS	WMPS	2.627
Mumbida Wind Farm	TMBW	2.213
Mungarra GTs	WMGA	2.173
Newgen Kwinana	WNGK	1.518
Newgen Neerabup	WGNN	1.337

Substation	TNI	Use of System Price (c/kW/day)
Oakley (Alinta)	WOLY	1.810
Parkeston	WPKS	1.867
Pinjar GTs	WPJR	1.085
Alcoa Pinjarra	WAPJ	1.901
Tiwest GT	WKMK	1.055
Wagerup	WWGP	1.497
Walkaway Windfarm	WWWF	2.401
West Kalgoorlie GTs	WWKT	1.518
Worsley	WWOR	1.701

6.3.2 Common service prices

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

Table 6.16: Common Service Prices TRT1

	Common Service Price (c/kW/day)
Common service price	4.730

6.3.3 Control system service prices

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

Table 6.17: Control system service prices for reference tariffs RT11 and TRT2

	Price (c/kW/day)
Control system service price (Generators)	0.219

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

Table 6.18: Control system service prices for reference tariff TRT1

	Price (c/kW/day)
Control system service price (Loads)	1.786

6.4 Excess network usage charges – substation classification

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

Table 6.19: Values for ENUM for reference tariffs RT7, RT8, RT11, TRT1 and TRT2

Substation	ENUM
All substations in described as 'Goldfields Mining' in Table 6.7	2.5
Albany	2.5
All other substations	1