# **Appendix F.3**

# 2018/2019 Price List Revised proposed access arrangement

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Appendix F.3

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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 November 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	lap	plicable	tariffs
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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 – Unmetered 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
C5 – High Voltage Metered Demand Bi-directional Service	RT5
C6 – Low Voltage Metered Demand Bi-directional Service	RT6
C7 – High Voltage Contract Maximum Demand Bi-directional Service	RT7
C8 – Low Voltage Contract Maximum Demand Bi-directional Service	RT8
D1 – 3 Part Time of Use Energy (Residential) Service	RT17
D2 – 3 Part Time of Use Energy (Business) Service	RT18



# 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 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 6.9) 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;
- 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);
- 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 6.9) 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 6.4) 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 6.4) 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);
- c. if the metered demand is greater than 1,000 kVA a variable demand length charge calculated by multiplying the demand length price (detailed in Table 6.7) 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 6.9) 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 Western Standard Time (WST)):

Monday – Friday (excludes	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:

For MD < 1,000 kVA	$(E_{Off Peak}/E_{Total}) * DF$
For 1,000 <= MD <1,500 kVA	((1500 - MD)/500) * (E <sub>Off Peak</sub> /E <sub>Total</sub> ) * 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 30%
- E<sub>Off Peak</sub> is the total off peak energy for the billing period (expressed in kWh); and
- E<sub>Total</sub> 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 6.5) 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-Discount);
- a variable metered demand charge (detailed in Table 6.5) 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-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 6.7) 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 6.9) 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 Western Standard Time (WST)):

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

## 4.4.2 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 6.6) which is payable each day; plus



- a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 6.6) 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 6.7) 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 6.6) by the CMD at an exit point (expressed in kVA); plus
  - 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) (Note: a different rate applies after 10 km);
- c. a fixed metering charge per revenue meter (detailed in Table 6.9) which is payable each day;
- d. a fixed administration charge (detailed in Table 6.10) 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:

ENUC = ENUC Transmission + ENUC Distribution

Where

	ENUC Transmission = ENUM * (PD – CMD) * DC Transmission / CMD					
	ENUC Distri	bution = ENUM * (PD – CMD) * (DC <sub>Distribution</sub> + DLC) / CMD				
	ENUM	is the Excess network usage multiplier factor, which is defined in Table 6.18.				
	PD	is the peak half-hourly demand during the billing period of the load (expressed in kVA)				
	CMD	is the nominated CMD for the billing period of the load (expressed in kVA)				
DC <sub>Transmission</sub> are the applicable transmission components of the fixed and variable dema 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 6.6) which is payable each day; plus
  - a variable demand charge calculated by multiplying the applicable demand price (detailed in Table 6.6) 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 6.7) 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 6.6) by the CMD at an exit point (expressed in kVA); plus
  - 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) (Note: a different rate applies after 10 km);
- c. a fixed low voltage charge (detailed in Table 6.11) which is payable each day;
- d. a variable low voltage charge calculated by multiplying the low voltage demand price (detailed in Table 6.11) by the CMD at an exit point (expressed in kVA);
- e. a fixed metering charge per revenue meter (detailed in Table 6.9) which is payable each day;
- f. a fixed administration charge (detailed in Table 6.10) 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:

ENUC = ENUC Transmission + ENUC Distribution



#### Where

ENUC Transmission	= ENUM * (PD – CMD) * DC <sub>Transmission</sub> / CMD
ENUC Distribution	= ENUM * (PD – CMD) * (DC <sub>Distribution</sub> + DLC + LVC) / CMD
ENUM	is the Excess network usage multiplier factor, which is defined in Table 6.18.
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;
- 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 6.2 and Table 6.3).

## 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
- 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 variable connection charge calculated by multiplying the connection price (detailed in Table 6.12) by the loss-factor adjusted declared sent-out capacity (DSOC) at the entry point (expressed in kW);
- a variable control system service charge calculated by multiplying the control system service price (detailed in Table 6.16) 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 6.14) by the loss-factor adjusted DSOC at the entry point (expressed in kW);
- d. If the DSOC is less than 7,000 kVA:
  - 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 6.7 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 6.7) 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 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) (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 6.8) 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 6.9) 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 AEMO 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:

Where

ENUC Transmission = ENUM \* (PD kw - DSOC kw) \* TEPC / DSOC kw

ENUC Distribution = ENUM \* (PD kVA - DSOC kVA) \* (DLC) / DSOC kVA

- ENUM is the Excess network usage multiplier factor, which is defined in Table 6.18.
- 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 6.9) 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;
- 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);



- 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 6.9) 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)):

	Monda	Saturday - Sunday		
	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;
- 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 6.9) 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)).

	Monday – Friday (excludes public holidays) S				
	Off-peak	Shoulder	On-Peak	Off-Peak	Off-Peak
RT17 & RT18	12:00am – 12:00pm	12:00pm – 3:00pm	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.
- a variable use of system charge calculated by multiplying the applicable use of system price (detailed in Table 6.13 or where there is no applicable use of system price in Table 6.13 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 6.15) 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 6.17) by the CMD at the exit point (expressed in kW);
- e. a fixed metering charge per revenue meter (detailed in Table 6.9) 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:

Where

is the Excess network usage multiplier factor, which is defined in Table 6.18. ENUM PD is the peak half-hourly demand during the billing period of the load (expressed in kW) is the nominated CMD for the billing period of the load (expressed in kW) CMD 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.
- 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 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 6.16) 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 6.9) 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:

Where

- ENUM is the Excess network usage multiplier factor, which is defined in Table 6.18.
- 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 6.6, Table 6.13 and Table 6.14 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 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	1.679			-
Distribution	88.480	6.836			-
Bundled tariff	88.480	8.515			-
Reference tariff 2 - RT2					
Transmission	0.000	1.993			-
Distribution	185.120	9.380			-
Bundled tariff	185.120	11.373			-
Reference tariff 3 - RT3					
Transmission	0.000		3.036		0.638
Distribution	88.480		11.582		2.680
Bundled tariff	88.480		14.618		3.318
Reference tariff 4 - RT4					
Transmission	0.000		3.139		0.758
Distribution	354.540		12.870		2.912
Bundled tariff	354.540		16.009		3.670



	Fixed Price		Energ	gy Rates	
	c/day	Anytime c/kWh	On Peak c/kWh	Shoulder c/kWh	Off Peak c/kWh
Reference tariff 9 – RT9					
Transmission	0.000	1.055			
Distribution	7.850	3.587			
Bundled tariff	7.850	4.642			
Reference tariff 10 – RT10					
Transmission	0.000	0.696			
Distribution	57.146	3.866			
Bundled tariff	57.146	4.562			
Reference tariff 13 - RT13					
Transmission	0.000	1.679			
Distribution	88.480	6.836			
Bundled tariff	88.480	8.515			
Reference tariff 14 - RT14					
Transmission	0.000	1.993			
Distribution	185.120	9.380			
Bundled tariff	185.120	11.373			
Reference tariff 15 - RT15					
Transmission	0.000		3.036		0.638
Distribution	88.480		11.582		2.680
Bundled tariff	88.480		14.618		3.318
Reference tariff 16 - RT16					
Transmission	0.000		3.139		0.758
Distribution	354.540		12.870		2.912
Bundled tariff	354.540		16.009		3.670
Reference tariff 17 - RT17					
Transmission	0.000		1.847	1.679	1.526



	Fixed Price		Ener	gy Rates	
	c/day	Anytime c/kWh	On Peak c/kWh	Shoulder c/kWh	Off Peak c/kWh
Distribution	88.480		7.520	6.836	6.215
Bundled tariff	88.480		9.367	8.515	7.741
Reference tariff 18 - RT18					
Transmission	0.000		2.192	1.993	1.812
Distribution	185.120		10.318	9.380	8.527
Bundled tariff	185.120		12.510	11.373	10.339



## 6.1.2 Streetlight asset prices

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

## Table 6.2: Current light types

Light specification	Daily charge c/day
42W CFL SE	26.640
42W CFL BH	28.312
42W CFL KN	31.905
70W MH	46.568
70W HPS	22.903
125W MV	27.722
150W MH	53.802
150W HPS	30.128
250W MH	53.802
250W HPS	30.128
Standard LED 20W	26.655
Standard LED 36W	26.655
Standard LED 53W	26.716
Standard LED 80W	26.643
Standard LED 160W	27.375
Standard LED 170W	27.375
Decorative BH LED 17W	33.155
Decorative KN LED 17W	34.508
Decorative LED 34W	34.472
Decorative LED 42W	33.155
Decorative LED 80W	35.240
Decorative LED 100W	37.227
Decorative LED 155W	37.227

Light specification	Daily charge c/day
50W MV	16.566
70W MV	22.297
80W MV	22.297
150W MV	27.722
250W MV	36.162
400W MV	37.968
40W FLU	16.566
80W HPS	22.903
125W HPS	30.128
100W INC	16.566
80W MH	22.297
125W MH	53.802
22W LED	16.656

## Table 6.3: Obsolete light types



# 6.2 Prices for demand-based tariffs on the distribution network (RT5 to RT8 and RT11<sup>1</sup>)

## 6.2.1 Demand charges

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

## Table 6.4: Prices for reference tariff RT5

	Tran	smission	Dist	ribution	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	20.060	204.560	65.114	204.560	85.174	
300 to 1000	6,017.907	14.851	19,729.044	47.568	25,746.951	62.419	
1000 to 1500	16,413.289	8.484	53,026.919	20.244	69,440.208	28.728	

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

## Table 6.5: Prices for reference tariff RT6

	Tran	smission	Dist	ribution	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	20.060	1,156.720	67.144	1,156.720	87.204	
300 to 1000	6,017.907	14.851	21,244.863	51.998	27,262.770	66.849	
1000 to 1500	16,413.289	8.484	57,643.738	25.839	74,057.027	34.323	

<sup>1</sup> 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 6.6:Prices for reference tariffs RT7 and RT8

	TNI	Pricing	Trar	smissior	ı	Dist	ribution				
Zone substation		zone	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000 <kva<7000 (c/kVA/day)</kva<7000 	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)</kva<7000 	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)</kva<7000 	Demand Charge for kVA > 7000 (c/kVA/day)
Cook Street	WCKT	CBD	15,071.327	16.210	16.047	34,245.179	11.585	14.822	49,316.506	27.795	30.869
Forrest Avenue	WFRT	CBD	15,071.327	16.210	16.047	34,245.179	11.585	14.822	49,316.506	27.795	30.869
Hay Street	WHAY	CBD	15,071.327	16.210	16.047	34,245.179	11.585	14.822	49,316.506	27.795	30.869
Milligan Street	WMIL	CBD	15,071.327	16.210	16.047	34,245.179	11.585	14.822	49,316.506	27.795	30.869
Wellington Street	WWNT	CBD	15,071.327	16.210	16.047	34,245.179	11.585	14.822	49,316.506	27.795	30.869
Black Flag	WBKF	Goldfields Mining	15,071.327	32.025	29.603	34,245.179	6.119	10.137	49,316.506	38.144	39.740
Boulder	WBLD	Goldfields Mining	15,071.327	29.575	27.503	34,245.179	6.119	10.137	49,316.506	35.694	37.640
Bounty	WBNY	Goldfields Mining	15,071.327	56.133	50.267	34,245.179	6.119	10.137	49,316.506	62.252	60.404
West Kalgoorlie	WWKT	Goldfields Mining	15,071.327	26.432	24.809	34,245.179	6.119	10.137	49,316.506	32.551	34.946
Albany	WALB	Mixed	15,071.327	30.617	28.397	34,245.179	13.694	16.630	49,316.506	44.311	45.027
Boddington	WBOD	Mixed	15,071.327	14.912	14.935	34,245.179	13.694	16.630	49,316.506	28.606	31.565
Bunbury Harbour	WBUH	Mixed	15,071.327	14.583	14.653	34,245.179	13.694	16.630	49,316.506	28.277	31.283
Busselton	WBSN	Mixed	15,071.327	21.179	20.307	34,245.179	13.694	16.630	49,316.506	34.873	36.937
Byford	WBYF	Mixed	15,071.327	15.677	15.590	34,245.179	13.694	16.630	49,316.506	29.371	32.220
Capel	WCAP	Mixed	15,071.327	18.817	18.281	34,245.179	13.694	16.630	49,316.506	32.511	34.911
Chapman	WCPN	Mixed	15,071.327	25.121	23.685	34,245.179	13.694	16.630	49,316.506	38.815	40.315
Darlington	WDTN	Mixed	15,071.327	17.521	17.171	34,245.179	13.694	16.630	49,316.506	31.215	33.801
Durlacher Street	WDUR	Mixed	15,071.327	22.678	21.591	34,245.179	13.694	16.630	49,316.506	36.372	38.221
Eneabba	WENB	Mixed	15,071.327	21.306	20.416	34,245.179	13.694	16.630	49,316.506	35.000	37.046
Geraldton	WGTN	Mixed	15,071.327	22.678	21.591	34,245.179	13.694	16.630	49,316.506	36.372	38.221



	ΤΝΙ	Pricing	Trar	smissior	ı	Dist	ribution			Bundled		
Zone substation		zone	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000 <kva<7000 (c/kVA/day)</kva<7000 	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)</kva<7000 	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)</kva<7000 	Demand Charge for kVA > 7000 (c/kVA/day)	
Marriott Road	WMRR	Mixed	15,071.327	14.082	14.223	34,245.179	13.694	16.630	49,316.506	27.776	30.853	
Muchea	WMUC	Mixed	15,071.327	17.375	17.046	34,245.179	13.694	16.630	49,316.506	31.069	33.676	
Northam	WNOR	Mixed	15,071.327	23.479	22.278	34,245.179	13.694	16.630	49,316.506	37.173	38.908	
Picton	WPIC	Mixed	15,071.327	15.755	15.658	34,245.179	13.694	16.630	49,316.506	29.449	32.288	
Rangeway	WRAN	Mixed	15,071.327	24.176	22.875	34,245.179	13.694	16.630	49,316.506	37.870	39.505	
Sawyers Valley	WSVY	Mixed	15,071.327	21.493	20.576	34,245.179	13.694	16.630	49,316.506	35.187	37.206	
Yanchep	WYCP	Mixed	15,071.327	17.317	16.996	34,245.179	13.694	16.630	49,316.506	31.011	33.626	
Yilgarn	WYLN	Mixed	15,071.327	28.594	26.662	34,245.179	13.694	16.630	49,316.506	42.288	43.292	
Baandee	WBDE	Rural	15,071.327	31.944	29.534	34,245.179	5.959	10.000	49,316.506	37.903	39.534	
Beenup	WBNP	Rural	15,071.327	34.377	31.619	34,245.179	5.959	10.000	49,316.506	40.336	41.619	
Bridgetown	WBTN	Rural	15,071.327	20.826	20.005	34,245.179	5.959	10.000	49,316.506	26.785	30.005	
Carrabin	WCAR	Rural	15,071.327	35.125	32.260	34,245.179	5.959	10.000	49,316.506	41.084	42.260	
Collie	WCOE	Rural	15,071.327	24.688	23.314	34,245.179	5.959	10.000	49,316.506	30.647	33.314	
Coolup	WCLP	Rural	15,071.327	27.859	26.032	34,245.179	5.959	10.000	49,316.506	33.818	36.032	
Cunderdin	WCUN	Rural	15,071.327	29.382	27.338	34,245.179	5.959	10.000	49,316.506	35.341	37.338	
Katanning	WKAT	Rural	15,071.327	26.781	25.108	34,245.179	5.959	10.000	49,316.506	32.740	35.108	
Kellerberrin	WKEL	Rural	15,071.327	31.100	28.810	34,245.179	5.959	10.000	49,316.506	37.059	38.810	
Kojonup	WKOJ	Rural	15,071.327	18.476	17.990	34,245.179	5.959	10.000	49,316.506	24.435	27.990	
Kondinin	WKDN	Rural	15,071.327	19.925	19.231	34,245.179	5.959	10.000	49,316.506	25.884	29.231	
Manjimup	WMJP	Rural	15,071.327	20.658	19.860	34,245.179	5.959	10.000	49,316.506	26.617	29.860	
Margaret River	WMRV	Rural	15,071.327	26.880	25.192	34,245.179	5.959	10.000	49,316.506	32.839	35.192	
Merredin	WMER	Rural	15,071.327	28.174	26.303	34,245.179	5.959	10.000	49,316.506	34.133	36.303	
Moora	WMOR	Rural	15,071.327	20.879	20.050	34,245.179	5.959	10.000	49,316.506	26.838	30.050	
Mount Barker	WMBR	Rural	15,071.327	28.092	26.232	34,245.179	5.959	10.000	49,316.506	34.051	36.232	
Narrogin	WNGN	Rural	15,071.327	31.736	29.355	34,245.179	5.959	10.000	49,316.506	37.695	39.355	



	TNI	Pricing	Trar	smissior	1	Dist	tribution			Bundled	
Zone substation		zone	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000 <kva<7000 (c/kVA/day)</kva<7000 	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)</kva<7000 	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)</kva<7000 	Demand Charge for kVA > 7000 (c/kVA/day)
Pinjarra	WPNJ	Rural	15,071.327	14.760	14.805	34,245.179	5.959	10.000	49,316.506	20.719	24.805
Regans	WRGN	Rural	15,071.327	21.553	20.627	34,245.179	5.959	10.000	49,316.506	27.512	30.627
Three Springs	WTSG	Rural	15,071.327	20.815	19.995	34,245.179	5.959	10.000	49,316.506	26.774	29.995
Wagerup	WWGP	Rural	15,071.327	14.049	14.195	34,245.179	5.959	10.000	49,316.506	20.008	24.195
Wagin	WWAG	Rural	15,071.327	27.163	25.435	34,245.179	5.959	10.000	49,316.506	33.122	35.435
Wundowie	WWUN	Rural	15,071.327	23.683	22.452	34,245.179	5.959	10.000	49,316.506	29.642	32.452
Yerbillon	WYER	Rural	15,071.327	34.213	31.478	34,245.179	5.959	10.000	49,316.506	40.172	41.478
Amherst	WAMT	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Arkana	WARK	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Australian Paper Mills	WAPM	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Balcatta	WBCT	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Beechboro	WBCH	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Belmont	WBEL	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Bentley	WBTY	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Bibra Lake	WBIB	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
British Petroleum	WBPM	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Canning Vale	WCVE	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Clarence Street	WCLN	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Clarkson	WCKN	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Cockburn Cement	WCCT	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Collier	WCOL	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Cottesloe	WCTE	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Edmund Street	WEDD	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Forrestfield	WFFD	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425



	TNI	Pricing	Trar	smissior	1	Dist	ribution			Bundled	
Zone substation		zone	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000 <kva<7000 (c/kVA/day)</kva<7000 	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)</kva<7000 	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)</kva<7000 	Demand Charge for kVA > 7000 (c/kVA/day)
Gosnells	WGNL	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Hadfields	WHFS	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Hazelmere	WHZM	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Henley Brook	WHBK	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Herdsman Parade	WHEP	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Joel Terrace	WJTE	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Joondalup	WJDP	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Kalamunda	WKDA	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Kambalda	WKBA	Urban	15,071.327	29.369	27.327	34,245.179	2.475	7.014	49,316.506	31.844	34.341
Kewdale	WKDL	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Landsdale	WLDE	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Maddington	WMDN	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Malaga	WMLG	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Mandurah	WMHA	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Manning Street	WMAG	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Mason Road	WMSR	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Meadow Springs	WMSS	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Medical Centre	WMCR	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Medina	WMED	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Midland Junction	WMJX	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Morley	WMOY	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Mullaloo	WMUL	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Mundaring Weir	WMWR	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425



	TNI	Pricing	Trar	smissior	1	Distribution				Bundled		
Zone substation		zone	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000 <kva<7000 (c/kVA/day)</kva<7000 	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)</kva<7000 	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)</kva<7000 	Demand Charge for kVA > 7000 (c/kVA/day)	
Munday	WMDY	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Murdoch	WMUR	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Myaree	WMYR	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Nedlands	WNED	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
North Beach	WNBH	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
North Fremantle	WNFL	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
North Perth	WNPH	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
O'Connor	WOCN	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Osborne Park	WOPK	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Padbury	WPBY	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Piccadilly	WPCY	Urban	15,071.327	27.652	25.855	34,245.179	2.475	7.014	49,316.506	30.127	32.869	
Riverton	WRTN	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Rivervale	WRVE	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Rockingham	WROH	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Shenton Park (Old)	WSPA	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Shenton Park (New)	WSPK	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Sth Ftle Power Station	WSFT	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Southern River	WSNR	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Tate Street	WTTS	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
University	WUNI	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Victoria Park	WVPA	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Waikiki	WWAI	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	
Wangara	WWGA	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425	



	TNI	Pricing	Transmission			Dist	ribution			Bundled	
Zone substation		zone	Fixed charge for first 1000 kVA (c per day)	Demand charge for 1000 <kva<7000 (c/kVA/day)</kva<7000 	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)</kva<7000 	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)</kva<7000 	Demand Charge for kVA > 7000 (c/kVA/day)
Wanneroo	WWNO	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Welshpool	WWEL	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Wembley Downs	WWDN	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Willetton	WWLN	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425
Yokine	WYKE	Urban	15,071.327	16.634	16.411	34,245.179	2.475	7.014	49,316.506	19.109	23.425

## 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 6.7: Reference for tariffs RT5, RT6, RT7, RT8 and RT11

	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	1.705	1.205
Mining	0.365	0.255
Mixed	0.795	0.550
Rural	0.495	0.345

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



## Table 6.8: Reference tariffs RT7, RT8 and RT11

	Demand-Length Charge	
Pricing zone	For first 10 km length (c/kVA.km/day)	For length in excess of 10 km (c/kVA.km/day)
CBD	0.000	0.000
Urban	1.460	1.025
Mining	0.315	0.220
Mixed	0.685	0.475
Rural	0.430	0.295

## 6.2.3 Metering prices

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

## Table 6.9: Metering prices

	c/revenue meter/day
Distribution connected customer (Accumulation / AMI)	7.870
Distribution connected customer (Interval meters)	34.603
Transmission connected customer	2,252.728

## 6.2.4 Administration charges

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

## Table 6.10: Administration charges for RT7 and RT8

CMD	Price (c/day)
>=7,000 kVA	8,955.000
<7,000 kVA	5,155.000

## 6.2.5 LV prices

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



## Table 6.11: LV prices RT8

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

## 6.2.6 Connection price

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

## Table 6.12: Connection Price RT11

	Connection Price (c/kW/day)	
Connection price	1.448	

## 6.3 Transmission prices

## 6.3.1 Use of system prices

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

#### Table 6.13: Transmission prices TRT1

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	16.994
Alcoa Pinjarra	WAPJ	4.820
Amherst	WAMT	4.045
Arkana	WARK	5.163
Australian Fused Materials	WAFM	3.352
Australian Paper Mills	WAPM	5.227
Baandee (WC)	WBDE	18.215
Balcatta	WBCT	5.290
Beckenham	WBEC	13.345
Beechboro	WBCH	4.698
Beenup	WBNP	20.379
Belmont	WBEL	4.164



Substation	TNI	Use of System Price (c/kW/day)
Bentley	WBTY	5.420
Bibra Lake	WBIB	3.722
Binningup Desalination Plant	WBDP	2.875
Black Flag	WBKF	18.574
Boddington Gold Mine	WBGM	3.118
Boddington	WBOD	3.039
Boulder	WBLD	16.375
Bounty	WBNY	40.226
Bridgetown	WBTN	8.323
British Petroleum	WBPM	7.187
Broken Hill Kwinana	WBHK	5.609
Bunbury Harbour	WBUH	2.748
Busselton	WBSN	8.609
Byford	WBYF	3.719
Canning Vale	WCVE	4.254
Capel	WCAP	6.509
Carrabin	WCAR	21.044
Cataby Kerr McGee	WKMC	7.762
Chapman	WCPN	12.110
Clarence Street	WCLN	6.990
Clarkson	WCKN	5.271
Cockburn Cement	WCCT	2.921
Cockburn Cement Ltd	WCCL	2.912
Collie	WCOE	11.759
Collier	WCOL	6.957
Cook Street	WCKT	5.006
Coolup	WCLP	14.580



Substation	TNI	Use of System Price (c/kW/day)
Cottesloe	WCTE	5.421
Cunderdin	WCUN	15.936
Darlington	WDTN	5.358
Edgewater	WEDG	4.641
Edmund Street	WEDD	4.776
Eneabba	WENB	8.721
Forrest Ave	WFRT	6.999
Forrestfield	WFFD	5.486
Geraldton	WGTN	9.939
Glen Iris	WGNI	3.243
Golden Grove	WGGV	26.050
Gosnells	WGNL	4.415
Hadfields	WHFS	5.308
Hay Street	WHAY	5.308
Hazelmere	WHZM	4.115
Henley Brook	WHBK	4.536
Herdsman Parade	WHEP	8.049
Joel Terrace	WJTE	7.305
Joondalup	WJDP	4.973
Kalamunda	WKDA	5.605
Katanning	WKAT	13.621
Kellerberrin	WKEL	17.463
Kewdale	WKDL	4.081
Kojonup	WKOJ	6.232
Kondinin	WKDN	7.521
Kwinana Alcoa	WAKW	1.290
Kwinana Desalination Plant	WKDP	3.540



Substation	TNI	Use of System Price (c/kW/day)
Kwinana PWS	WKPS	2.585
Landsdale	WLDE	4.784
Maddington	WMDN	4.299
Malaga	WMLG	4.085
Mandurah	WMHA	3.509
Manjimup	WMJP	8.173
Manning Street	WMAG	5.941
Margaret River	WMRV	13.709
Marriott Road Barrack Silicon Smelter	WBSI	2.629
Marriott Road	WMRR	2.301
Mason Road	WMSR	2.052
Mason Road CSBP	WCBP	3.104
Mason Road Kerr McGee	WKMK	1.880
Meadow Springs	WMSS	3.980
Medical Centre	WMCR	6.297
Medina	WMED	2.963
Merredin 66kV	WMER	14.861
Midland Junction	WMJX	5.000
Milligan Street	WMIL	5.929
Moora	WMOR	8.371
Morley	WMOY	5.452
Mt Barker	WMBR	14.788
Muchea Kerr McGee	WKMM	7.898
Muchea	WMUC	5.229
Muja PWS	WMPS	1.572
Mullaloo	WMUL	5.138
Munday	WMDY	5.538



Substation	TNI	Use of System Price (c/kW/day)
Murdoch	WMUR	3.313
Mundaring Weir	WMWR	8.024
Myaree	WMYR	6.330
Narrogin	WNGN	18.029
Nedlands	WNED	5.928
North Beach	WNBH	5.290
North Fremantle	WNFL	5.321
North Perth	WNPH	4.515
Northam	WNOR	10.652
Nowgerup	WNOW	6.102
O'Connor	WOCN	5.520
Osborne Park	WOPK	5.737
Padbury	WPBY	5.360
Parkeston	WPRK	18.640
Parklands	WPLD	4.091
Piccadilly	WPCY	14.824
Picton 66kv	WPIC	3.789
Pinjarra	WPNJ	2.926
Rangeway	WRAN	11.272
Regans	WRGN	8.969
Riverton	WRTN	3.663
Rivervale	WRVE	5.694
Rockingham	WROH	3.138
Sawyers Valley	WSVY	8.888
Shenton Park	WSPA	6.166
Southern River	WSNR	3.845
South Fremantle	WSFT	3.987



Substation	TNI	Use of System Price (c/kW/day)
Summer St	WSUM	7.540
Sutherland	WSRD	4.515
Tate Street	WTTS	6.367
Three Springs	WTSG	8.313
Three Springs Terminal	WTST	20.077
Tomlinson Street	WTLN	6.451
University	WUNI	6.836
Victoria Park	WVPA	6.225
Wagerup	WWGP	2.292
Wagin	WWAG	13.960
Waikiki	WWAI	3.431
Wangara	WWGA	4.912
Wanneroo	WWNO	5.170
Wellington Street	WWNT	7.503
Welshpool	WWEL	4.056
Wembley Downs	WWDN	6.053
West Kalgoorlie	WWKT	13.551
Western Collieries	WWCL	2.307
Western Mining	WWMG	2.711
Westralian Sands	WWSD	5.902
Willetton	WWLN	3.898
Worsley	WWOR	1.914
Wundowie	WWUN	10.864
Yanchep	WYCP	5.177
Yerbillon	WYER	20.234
Yilgarn	WYLN	15.196
Yokine	WYKE	5.608



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

 Table 6.14:
 Reference tariffs RT11 and TRT2

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	2.180
Boulder	WBLD	1.580
Bluewaters	WBWP	2.196
Cockburn PWS	WCKB	1.331
Collgar	WCGW	2.520
Collie PWS	WCPS	2.555
Emu Downs	WEMD	2.226
Geraldton	WGTN	0.374
Greenough Solar Farm	TMGS	0.476
Kemerton PWS	WKEM	1.775
Kwinana Alcoa	WAKW	1.373
Kwinana Donaldson Road	WKND	1.042
Kwinana PWS	WKPS	1.331
Landwehr (Alinta)	WLWT	1.657
Mason Road	WMSR	1.042
Merredin Power Station	TMDP	1.836
Muja PWS	WMPS	2.681
Mumbida Wind Farm	TMBW	2.259
Mungarra GTs	WMGA	2.218
Newgen Kwinana	WNGK	1.549
Newgen Neerabup	WGNN	1.365
Oakley (Alinta)	WOLY	1.848
Parkeston	WPKS	1.905
Pinjar GTs	WPJR	1.107



Substation	TNI	Use of System Price (c/kW/day)
Alcoa Pinjarra	WAPJ	1.940
Tiwest GT	WKMK	1.077
Wagerup	WWGP	1.528
Walkaway Windfarm	WWWF	2.451
West Kalgoorlie GTs	WWKT	1.549
Worsley	WWOR	1.736

## 6.3.2 Common service prices

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

## Table 6.15: Common Service Prices TRT1

	Common Service Price (c/kW/day)
Common service price	4.827

## 6.3.3 Control system service prices

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

## Table 6.16: Control system service prices for reference tariffs RT11 and TRT2

	Price (c/kW/day)
Control system service price (Generators)	0.215

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

## Table 6.17: Control system service prices for reference tariff TRT1

	Price (c/kW/day)
Control system service price (Loads)	1.823



## 6.4 Excess network usage charges – substation classification

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

Substation	ENUM
All substations in described as 'Goldfields Mining' in Table 6.6	2.5
Albany	2.5
All other substations	1

## Table 6.18: Values for ENUM for reference tariffs RT7, RT8, RT11, TRT1 and TRT2

