

Attachment 11.1

Indicative 2023-24 Price Tables

Revised proposed access arrangement information

15 November 2022



Access Arrangement (AA) for the period
1 July 2023 to 30 June 2027

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Indicative 2023-24 Price Tables

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1. 2023-24 Indicative Prices

1.1 Introduction

The indicative prices provided in this document have been developed in accordance with the Tariff Structure Statement (TSS) provided as Appendix F.1 and F.2 provided as part of our Revised Proposal for the fifth access arrangement period (Revised Proposal).

The pricing tables include indicative prices for the key tariff reforms required by the ERA as part of its Framework and Approach, as developed and refined by Western Power in the Additional Tariff Structure Statement Information published in July 2022 and in response to the ERA's Draft Decision. Western Power has undertaken extensive consultation with stakeholders in the further refinement of these additional reference tariffs. These tariffs include the introduction of:

- new super off-peak time of use energy exit and bi-directional reference tariffs for small business and residential customers (RT34 and RT35);
- new super off-peak time of use demand exit and bi-directional reference tariffs for small business and residential customers (RT36 and RT37);
- new low voltage and high voltage reference tariffs for distribution-connected storage (RT38 and RT39);
- new low voltage and high voltage reference tariffs for dedicated electric vehicle public charging stations (RT40 and RT41); and
- a new reference tariff for transmission-connected storage (TRT3).

This document provides indicative price tables for each of the new reference tariffs and all other reference tariffs provided by Western Power for the 2023-24 pricing year.

Western Power notes the actual price list for the 2023-24 pricing year will be developed following the ERA's final decision on AA5 expected to be published by 31 March 2023.

1.2 Development of the 2023-24 indicative prices

1.2.1 Price setting considerations

As outlined in Section 4 of Appendix F.1, the changes in the prices that comprise each tariff are generally driven by:

- the total efficient cost of operating our network (our target revenue), as approved by the ERA;
- our forecast of customer numbers, energy, and demand; and
- improving the efficiency of our tariffs, which we propose to implement gradually to manage the effects on customers.

To manage the potential effects on customers of moving to more efficient tariffs, Western Power proposes to limit the increase in the average price of a tariff to no more than two per cent above the change that is required to recover our ERA-approved efficient costs (or revenue target).

This target cap on the increase to the average price of tariffs will limit the extent to which we can reduce the average price of tariffs that need to reduce in price. It is important to highlight that the target maximum caps above would apply only to tariffs that need to increase in price relative to other tariffs, and that not all tariffs that need to increase in price will increase up to the cap.

The methodology in our TSS will only be applied in the second year of AA5 (that is, in the preparation of the 2023-24 price list) due to the delay in the commencement of the fifth access arrangement to 1 July 2023. As published in the ERA's final decision on the Framework and Approach, Western Power's current price list will apply until the revised access arrangement comes into effect (the current price list may be found at Appendix F.3 of our Revised Proposal).

The consequence of holding prices constant in year one of AA5 is that we are less likely to recover our revenue target in that year. The Access Arrangement therefore includes an adjustment to target revenue in a subsequent year to account for the difference between our target revenue and the actual revenue we recovered in the first year of AA5.

Proposed target revenue in AA5 has increased in comparison to AA4 – due largely to the expected increases in the cost of capital – this means that we have only the four remaining years of AA5 to recover five years of target revenue.

Western Power has dedicated significant effort as part of the development of this price list to smooth the resulting effects on our customers by spreading price changes to price changes in the third, fourth and fifth pricing years of AA5. This can be seen by reference to the forecast weighted average price change forecast for AA5 outlined in Table 5.3 of the tariff structure statement overview document.

1.2.2 Price setting assumptions

The 2023-24 indicative prices have been developed using the financial inputs included in our revised AA5 proposal, in particular the following key submission artefacts:

- Revenue for the AA5 period as per AAI Attachment 1.1 – Revised AA5 Regulatory Revenue Model – Public, 15 November 2022;
- Energy and customer number forecasts for the AA5 period as per AAI Attachment 1.3 – Energy and Customer Number Forecast Report (2022);
- Reference services as listed in AAC Appendix E – Reference Services (Track Changes) 15 November 2022; and
- The new reference services and tariff structures included in AAC Appendix F.2 (Tariff Structure Statement – Technical Summary) 15 November 2022.

The ERA's Framework and Approach required Western Power's AA5 form of price control to consist of a single price control incorporating both the distribution and transmission target revenues.¹ Consequently, setting separate target revenues for the transmission and distribution services is no longer required. Given the single form of price control, Western Power has provided bundled tariff components as part of its indicative 2023-24 prices.

For the new grid-connected storage and dedicated electric vehicle services for which usage and revenue is currently unknown, for the purposes of calculating an indicative price, Western Power has applied the approach the Australian Energy Regulator (AER) has approved for reference tariff trials under the National Electricity Rules.² This approach allows a distribution business to introduce tariff trials provided they do not recover more than 1% of the annual revenue requirement or 5% of the annual revenue requirement in total for multiple trials. The AER considers this approach offers businesses the opportunity to explore innovative tariff strategies while protecting consumers from the wide scale introduction of tariffs they may struggle to understand or respond to.

¹ ERA, *Framework and approach for Western Power's fifth access arrangement review – Final decision*, 9 August 2021, p.38.

² <https://www.aer.gov.au/networks-pipelines/network-tariff-reform/tariff-trials>

To develop an indicative price for the new grid connected storage and EV charging infrastructure services, the assumptions included in Table 1.1 have been applied.

Table 1.1: Usage and revenue allocation for new reference tariffs

Reference Tariff	Assumption
Reference Service C23 and C24 – New Grid Connected Low/High Voltage Distribution Storage Service	<p>Western Power has applied the reference tariff trial approach as per the AER. Assumptions:</p> <ul style="list-style-type: none"> total reference service revenue for this service over AA5 is \$9 million; expect a total of 60 connection points over AA5; and annual consumption at 10% utilisation is 1.5 MWh to 4.4 MWh at 30% utilisation per connection point.
Reference Service A22 and A23 – Low/High Voltage Two Part Electric Vehicle Charging Service	<p>Western Power has applied the reference tariff trial approach as per the AER. Assumptions:</p> <ul style="list-style-type: none"> total reference service revenue for this service over AA5 is \$4 million; expect a total of 50 connection points over AA5.
Reference Service C22 – New Transmission Connected Storage Service	<p>Western Power has applied the reference tariff trial approach as per the AER,. Assumptions:</p> <ul style="list-style-type: none"> total reference service revenue for this service over AA5 is \$10 million; expect a total of 6 connection points over AA5.

2. Indicative 2023-24 Price Tables

The indicative prices included in this Attachment 11.1 have been developed based on the assumptions and inputs noted in Section 1.2.2 of this document.

All prices quoted in this indicative price list are **GST exclusive**.

2.1 Prices for energy-based tariffs on the distribution network

2.1.1 Use of system prices

Table 2.1: Reference tariffs prices for RT1, RT2, RT3, RT4, RT9, RT10, RT13, RT14, RT15, RT16, RT17 and RT18

Bundled tariff	Fixed Price	Energy Rates			
	c/day	Anytime c/kWh	On-Peak c/kWh	Shoulder c/kWh	Off-peak c/kWh
Reference tariff 1 - RT1	94.898	8.628			
Reference tariff 2 - RT2	178.143	11.474			
Reference tariff 3 - RT3	94.898		15.622		3.638
Reference tariff 4 - RT4	326.126		17.941		4.032
Reference tariff 9 – RT9	7.482	5.046			
Reference tariff 10 – RT10	60.033	4.848			
Reference tariff 13 - RT13	94.898	8.628			
Reference tariff 14 - RT14	178.143	11.474			
Reference tariff 15 - RT15	94.898		15.622		3.638
Reference tariff 16 - RT16	326.126		17.898		3.993
Reference tariff 17 - RT17	94.898		11.509	7.572	5.454
Reference tariff 18 - RT18	178.143		17.734	11.957	8.477

Table 2.2: Reference tariffs for RT19 and RT20

Bundled tariff	Fixed Price	Demand	Energy Rates		
	c/day	c/kVA/day	On-Peak c/kWh	Shoulder c/kWh	Off-Peak c/kWh
Reference tariff 19 – RT19	94.898	5.699	10.154	6.296	4.525
Reference tariff 20 - RT20	223.633	6.804	16.708	10.372	7.519

Table 2.3: Reference tariffs for RT21, RT22, RT34, RT35, RT36 and RT37

Bundled tariff	Fixed Price	Demand	Energy Rates				
	c/day	c/kVA/day	On-Peak c/kWh	Shoulder c/kWh	Off-Peak c/kWh	Overnight c/kWh	Super Off-Peak c/kWh
Reference tariff 21 – RT21	94.898		11.313	7.103	5.117	5.117	
Reference tariff 22 – RT22	178.143		18.465	11.545	8.048	8.048	8.048
Reference tariff 34 – RT34	178.143		19.050	9.520	7.330		5.000
Reference tariff 35 – RT35	94.898		15.295	7.647	5.883		0.100
Reference tariff 36 – RT37	223.633	6.804	17.220	8.610	6.620		5.000
Reference tariff 37 – RT37	94.898	5.699	11.348	5.674	4.365		0.100

Table 2.4: Reference tariffs for RT38 and RT39

Bundled tariff	Fixed Price	Energy Rates (network to storage - charging)				
	c/day	Off-Peak c/kWh	Shoulder c/kWh	Super Off-Peak c/kWh		On-Peak c/kWh
Reference tariff 38 – RT38	Varies with capacity see Table A.5 below	0.100	10.328	0.100		20.656
		Energy Rates (storage to network – discharging)				
		Off-Peak c/kWh	Shoulder c/kWh	Super Off-peak 0-3 kWh c/kWh	Super Off-Peak > 3 kWh c/kWh	On-Peak c/kWh
		0.100	0.100	10.328	20.656	0.100
Bundled tariff	Fixed Price	Energy Rates (network to storage - charging)				
	c/day	Off-Peak c/kWh	Shoulder c/kWh	Super Off-Peak c/kWh		On-Peak c/kWh
Reference tariff 39 – RT39	Varies with capacity see Table A.5 below	0.100	10.328	0.100		20.656
		Energy Rates (storage to network - discharging)				
		Off-Peak c/kWh	Shoulder c/kWh	Super Off-peak 0-3 kWh c/kWh	Super Off-Peak > 3 kWh c/kWh	On-Peak c/kWh
		0.100	0.100	10.328	20.656	0.100

Table 2.5: Fixed Price for Reference tariffs for RT38 and RT39

Capacity of storage works kVA	Fixed Price c/day
0 - 100	350.000
100 – 1,000	700.000
1,000 – 3,000	1,500.000

Table 2.6: Reference tariffs for RT40 and RT41

Bundled tariff	Utilisation	Fixed Price	Energy Rates		
	%	c/day	Off-Peak c/kWh	On-Peak c/kWh	Demand On-peak c/kVA/day
Reference tariff 40 – RT40	0 – 15	350.000	6.000	16.000	0.000
	15 – 25	350.000	3.000	8.000	15.000
	>25	350.000	1.500	4.000	30.000
Reference tariff 41 – RT41	0 – 15	350.000	6.000	16.000	0.000
	15 – 25	350.000	3.000	8.000	15.000
	>25	350.000	1.500	4.000	30.000

2.1.2 Streetlight asset prices

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

Western Power is in the process of updating its list of streetlighting assets and will provide the updated list to the ERA as part of the access arrangement process.

Table 2.7: Current light types

Light specification	Daily charge (No contribution) c/day	Daily charge (Full upfront contribution) c/day
42W CFL SE	31.167	n/a
42W CFL BH	33.122	n/a
42W CFL KN	37.326	n/a
70W MH	54.481	n/a
70W HPS	26.795	n/a
125W MV	32.433	n/a
150W MH	62.943	n/a
150W HPS	35.248	n/a
250W MH	62.943	n/a
250W HPS	35.248	n/a
Standard LED 20W	16.565	8.780
Standard LED 16W - 3000K	16.565	8.780
Standard LED 16W - 4000K	16.565	8.780

Light specification	Daily charge (No contribution) c/day	Daily charge (Full upfront contribution) c/day
Standard LED 36W	16.565	8.780
Standard LED 28W - 3000K	16.565	8.780
Standard LED 27W - 4000K	16.565	8.780
Standard LED 53W	16.698	8.780
Standard LED 43W - 3000K	16.698	8.780
Standard LED 42W - 4000K	16.698	8.780
Standard LED 80W	16.538	8.780
Standard LED 70W - 3000K	16.538	8.780
Standard LED 68W - 4000K	16.538	8.780
Standard LED 160W	18.143	8.780
Standard LED 140W - 3000K	18.143	8.780
Standard LED 135W - 4000K	18.143	8.780
Standard LED 170W	18.143	8.780
Standard LED 165W - 3000K	18.143	8.780
Standard LED 155W - 4000K	18.143	8.780
Decorative BH LED 17W	30.835	8.780
Decorative KN LED 17W	33.808	8.780
Decorative LED 34W	33.727	8.780
Decorative LED 42W	30.835	8.780
Decorative LED 80W	35.414	8.780
Decorative LED 100W	39.778	8.780
Decorative LED 155W	39.778	8.780

Table 2.8: Obsolete light types

Light specification	Daily charge c/day
50W MV	19.947
70W MV	26.847
80W MV	26.847
150W MV	33.379

Light specification	Daily charge c/day
250W MV	43.541
400W MV	45.716
40W FLU	19.947
80W HPS	27.577
125W HPS	36.276
100W INC	19.947
80W MH	26.847
125W MH	64.781
22W LED	16.565

2.2 Prices for demand-based tariffs on the distribution network (RT5 to RT8 and RT11³)

2.2.1 Demand charges

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

Table 2.9: Prices for reference tariff RT5

Demand (kVA) (Lower to upper threshold)	Bundled tariff	
	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day
0 to 300	192.862	91.264
300 to 1000	27,379.123	66.297
1000 to 1500	73,787.257	31.769

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

Table 2.10: Prices for reference tariff RT6

Demand (kVA) (Lower to upper threshold)	Bundled tariff	
	Fixed c/day	Demand (in excess of lower threshold) c/kVA/day
0 to 300	1,112.961	96.048
300 to 1000	28,814.416	74.000

³ Note that some components of RT11 are in section 2.2.2.

	Bundled tariff	
1000 to 1500	80,614.693	38.600

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

Table 2.11: Prices for reference tariffs RT7 and RT8

Zone substation	TNI	Pricing zone	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)
Cook Street	WCKT	CBD	52,492.151	29.779	33.024
Forrest Avenue	WFRT	CBD	52,492.151	29.779	33.024
Hay Street	WHAY	CBD	52,492.151	29.779	33.024
Milligan Street	WMIL	CBD	52,492.151	29.779	33.024
Wellington Street	WWNT	CBD	52,492.151	29.779	33.024
Black Flag	WBKF	Mining	52,492.151	44.312	45.481
Boulder	WBLD	Mining	52,492.151	41.302	42.900
Bounty	WBNY	Mining	52,492.151	73.944	70.879
West Kalgoorlie	WWKT	Mining	52,492.151	37.439	39.589
Albany	WALB	Mixed	52,492.151	49.380	49.824
Boddington	WBOD	Mixed	52,492.151	30.075	33.278
Bunbury Harbour	WBUH	Mixed	52,492.151	29.672	32.932
Busselton	WBSN	Mixed	52,492.151	37.779	39.881
Byford	WBYF	Mixed	52,492.151	31.016	34.084
Capel	WCAP	Mixed	52,492.151	34.875	37.392
Chapman	WCPN	Mixed	52,492.151	42.624	44.033
Darlington	WDTN	Mixed	52,492.151	33.281	36.026
Durlacher Street	WDUR	Mixed	52,492.151	39.621	41.460
Eneabba	WENB	Mixed	52,492.151	33.105	35.875
Geraldton	WGTN	Mixed	52,492.151	39.621	41.460
Marriott Road	WMRR	Mixed	52,492.151	29.056	32.404

Zone substation	TNI	Pricing zone	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)
Muchea	WMUC	Mixed	52,492.151	33.105	35.875
Northam	WNOR	Mixed	52,492.151	40.606	42.304
Picton	WPIC	Mixed	52,492.151	31.111	34.166
Rangeway	WRAN	Mixed	52,492.151	41.462	43.038
Sawyers Valley	WSVY	Mixed	52,492.151	38.166	40.212
Yanchep	WYCP	Mixed	52,492.151	33.054	35.831
Yilgarn	WYLN	Mixed	52,492.151	46.893	47.693
Baandee	WBDE	Rural	52,492.151	44.072	45.275
Beenup	WBNP	Rural	52,492.151	47.060	47.836
Bridgetown	WBTN	Rural	52,492.151	30.407	33.562
Carrabin	WCAR	Rural	52,492.151	47.980	48.625
Cataby	WCTB	Rural	52,492.151	31.298	34.325
Collie	WCOE	Rural	52,492.151	35.152	37.629
Coolup	WCLP	Rural	52,492.151	39.050	40.970
Cunderdin	WCUN	Rural	52,492.151	40.921	42.574
Katanning	WKAT	Rural	52,492.151	37.726	39.835
Kellerberrin	WKEL	Rural	52,492.151	43.031	44.382
Kojonup	WKOJ	Rural	52,492.151	27.517	31.085
Kondinin	WKDN	Rural	52,492.151	29.297	32.610
Manjimup	WMJP	Rural	52,492.151	30.199	33.384
Margaret River	WMRV	Rural	52,492.151	37.844	39.937
Merredin	WMER	Rural	52,492.151	39.438	41.303
Moora	WMOR	Rural	52,492.151	30.471	33.617
Mount Barker	WMBR	Rural	52,492.151	39.335	41.215
Narrogin	WNGN	Rural	52,492.151	43.816	45.056
Pinjarra	WPNJ	Rural	52,492.151	22.949	27.170

Zone substation	TNI	Pricing zone	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)
Regans	WRGN	Rural	52,492.151	31.298	34.325
Three Springs	WTSG	Rural	52,492.151	30.392	33.549
Wagerup	WWGP	Rural	52,492.151	22.074	26.420
Wagin	WWAG	Rural	52,492.151	38.193	40.236
Wundowie	WWUN	Rural	52,492.151	33.916	36.570
Yerbillon	WYER	Rural	52,492.151	46.858	47.663
Amherst	WAMT	Urban	52,492.151	22.125	26.463
Arkana	WARK	Urban	52,492.151	22.125	26.463
Australian Paper Mills	WAPM	Urban	52,492.151	22.125	26.463
Balcatta	WBCT	Urban	52,492.151	22.125	26.463
Beechboro	WBCH	Urban	52,492.151	22.125	26.463
Belmont	WBEL	Urban	52,492.151	22.125	26.463
Bentley	WBTY	Urban	52,492.151	22.125	26.463
Bibra Lake	WBIB	Urban	52,492.151	22.125	26.463
British Petroleum	WBPM	Urban	52,492.151	22.125	26.463
Canning Vale	WCVE	Urban	52,492.151	22.125	26.463
Clarence Street	WCLN	Urban	52,492.151	22.125	26.463
Clarkson	WCKN	Urban	52,492.151	22.125	26.463
Cockburn Cement	WCCT	Urban	52,492.151	22.125	26.463
Collier	WCOL	Urban	52,492.151	22.125	26.463
Cottesloe	WCTE	Urban	52,492.151	22.125	26.463
Edmund Street	WEDD	Urban	52,492.151	22.125	26.463
Forrestfield	WFFD	Urban	52,492.151	22.125	26.463
Gosnells	WGNL	Urban	52,492.151	22.125	26.463
Hadfields	WHFS	Urban	52,492.151	22.125	26.463
Hazelmere	WHZM	Urban	52,492.151	22.125	26.463

Zone substation	TNI	Pricing zone	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)
Henley Brook	WHBK	Urban	52,492.151	22.125	26.463
Herdsman Parade	WHEP	Urban	52,492.151	22.125	26.463
Joel Terrace	WJTE	Urban	52,492.151	22.125	26.463
Joondalup	WJDP	Urban	52,492.151	22.125	26.463
Kalamunda	WKDA	Urban	52,492.151	22.125	26.463
Kambalda	WKBA	Urban	52,492.151	37.779	39.881
Kewdale	WKDL	Urban	52,492.151	22.125	26.463
Landsdale	WLDE	Urban	52,492.151	22.125	26.463
Maddington	WMDN	Urban	52,492.151	22.125	26.463
Malaga	WMLG	Urban	52,492.151	22.125	26.463
Mandurah	WMHA	Urban	52,492.151	22.125	26.463
Manning Street	WMAG	Urban	52,492.151	22.125	26.463
Mason Road	WMSR	Urban	52,492.151	22.125	26.463
Meadow Springs	WMSS	Urban	52,492.151	22.125	26.463
Medical Centre	WMCR	Urban	52,492.151	22.125	26.463
Medina	WMED	Urban	52,492.151	22.125	26.463
Midland Junction	WMJX	Urban	52,492.151	22.125	26.463
Morley	WMOY	Urban	52,492.151	22.125	26.463
Mullaloo	WMUL	Urban	52,492.151	22.125	26.463
Mundaring Weir	WMWR	Urban	52,492.151	22.125	26.463
Munday	WMDY	Urban	52,492.151	22.125	26.463
Murdoch	WMUR	Urban	52,492.151	22.125	26.463
Myaree	WMYR	Urban	52,492.151	22.125	26.463
Nedlands	WNED	Urban	52,492.151	22.125	26.463
North Beach	WNBH	Urban	52,492.151	22.125	26.463
North Fremantle	WNFL	Urban	52,492.151	22.125	26.463

Zone substation	TNI	Pricing zone	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)
North Perth	WNPH	Urban	52,492.151	22.125	26.463
O'Connor	WOCN	Urban	52,492.151	22.125	26.463
Osborne Park	WOPK	Urban	52,492.151	22.125	26.463
Padbury	WPBY	Urban	52,492.151	22.125	26.463
Piccadilly	WPCY	Urban	52,492.151	35.669	38.072
Riverton	WRTN	Urban	52,492.151	22.125	26.463
Rivervale	WRVE	Urban	52,492.151	22.125	26.463
Rockingham	WROH	Urban	52,492.151	22.125	26.463
Shenton Park (Old)	WSPA	Urban	52,492.151	22.125	26.463
Shenton Park (New)	WSPK	Urban	52,492.151	22.125	26.463
Sth Ftle Power Station	WSFT	Urban	52,492.151	22.125	26.463
Southern River	WSNR	Urban	52,492.151	22.125	26.463
Tate Street	WTTS	Urban	52,492.151	22.125	26.463
University	WUNI	Urban	52,492.151	22.125	26.463
Victoria Park	WVPA	Urban	52,492.151	22.125	26.463
Waikiki	WWAI	Urban	52,492.151	22.125	26.463
Wangara	WWGA	Urban	52,492.151	22.125	26.463
Wanneroo	WWNO	Urban	52,492.151	22.125	26.463
Welshpool	WWEL	Urban	52,492.151	22.125	26.463
Wembley Downs	WWDN	Urban	52,492.151	22.125	26.463
Willetton	WWLN	Urban	52,492.151	22.125	26.463
Yokine	WYKE	Urban	52,492.151	22.125	26.463

2.2.2 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 2.12: Reference for tariffs RT5, RT6, RT7, RT8 and RT11

Pricing zone	Demand-Length Charge	
	For kVA >1000 and first 10 km length (c/kVA.km/day)	For kVA >1000 and length in excess of 10 km (c/kVA.km/day)
CBD	0.000	0.000
Urban	1.705	1.205
Mining	0.365	0.255
Mixed	0.795	0.550
Rural	0.495	0.345

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

Table 2.13: 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	1.705	1.205
Mining	0.365	0.255
Mixed	0.795	0.550
Rural	0.495	0.345

2.2.3 Metering prices

The prices in the following table are applicable for all reference tariffs (excluding RT9, RT10, RT25, RT26, RT27, RT28 and RT29).

The total metering price payable is the sum of the applicable charge in Table 2.14, which is based on the reference tariff of the connection point and the charge in Table 2.15, which is based on the metering reference service applicable to the connection point, or as selected by the retailer. The applicable metering reference service for each reference service is defined in Appendix E, table E.1.2⁴.

Note that for billing purposes, Western Power will calculate the total metering charge per connection point (a sum of the relevant charge in Table 2.14 and Table 2.15) as a single daily charge.

For the purposes of the Metering Model Service Level Agreement, the charges in Table 2.15 (M1 – M15) are considered to be the incremental fees involved in providing the additional metering services.

⁴ <https://www.erawa.com.au/cproot/20419/2/ERA-Approved---Appendix-E---Reference-Services.pdf>

Table 2.14: Metering prices⁵

Reference Tariff	c/revenue meter/day
RT1	7.135
RT2	7.531
RT3	7.419
RT4	11.703
RT5 – RT8	12.901
RT11	12.901
RT13	7.135
RT14	7.531
RT15	7.138
RT16	12.734
RT17	12.901
RT18	12.901
RT19	12.901
RT20	12.901
RT21	12.901
RT22	12.901
RT34	7.531
RT35	7.135
RT36	7.531
RT37	7.135
RT38	12.901
RT39	12.901
RT40	12.901
RT41	12.901
TRT1, TRT2 and TRT3	926.169

⁵ Additional charges will apply if the user has selected a non-standard metering service for the relevant exit, entry or bi-directional service. The charge will reflect Western Power’s incremental costs of providing the additional metering services and may consist of capital and non-capital costs.

Table 2.15: Metering prices

Metering Reference Service	Charge per site visit (\$)
RT31	25.000
RT32	25.000
RT33	25.000

Table 2.16: Metering reference service prices

Metering Reference Service	c/revenue meter/day
M1	2.169
M2	2.169
M3	24.759
M4	49.519
M5	13.231
M6	13.231
M7 - SIM	114.691
M7 - AMI	2.169
M8	2.169
M9	2.169
M10	24.759
M11	49.519
M12	13.231
M13	13.231
M14 - SIM	114.691
M14 - AMI	2.169
M15	49.519
M17	49.519
M18	49.519
M19	49.519
M20	49.519

Table 2.17: One off manual metering reference service price

Metering Reference Service	Charge per site visit (\$)
M16	25.000

2.2.4 Administration charges

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

Table 2.18: Administration charges for RT7 and RT8

CMD	Price (c/day)
$\geq 7,000$ kVA	8,877.000
$< 7,000$ kVA	5,097.000

2.2.5 LV prices

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

Table 2.19: LV prices RT8

Bundled Tariff	Fixed Price	Demand
	c/day	c/kVA
RT8	1,101.980	10.744

2.2.6 Connection price

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

Table 2.20: Connection Price RT11

	Connection Price (c/kW/day)
Connection price	1.779

2.3 Transmission prices

2.3.1 Use of system prices

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

Table 2.21: Transmission prices TRT1

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	18.384
Alcoa Pinjarra	WAPJ	5.214
Amherst	WAMT	4.376
Arkana	WARK	5.585
Australian Fused Materials	WAFM	3.627

Substation	TNI	Use of System Price (c/kW/day)
Australian Paper Mills	WAPM	5.654
Baandee (WC)	WBDE	19.705
Balcatta	WBCT	5.723
Beckenham	WBEC	14.437
Beechboro	WBCH	5.083
Beenup	WBNP	22.046
Belmont	WBEL	4.504
Bentley	WBTY	5.862
Bibra Lake	WBIB	4.026
Binningup Desalination Plant	WBDP	3.110
Black Flag	WBKF	20.094
Boddington Gold Mine	WBGM	3.374
Boddington	WBOD	3.287
Boulder	WBLD	17.715
Bounty	WBNY	43.517
Bridgetown	WBTN	9.004
British Petroleum	WBPM	7.775
Broken Hill Kwinana	WBHK	6.067
Bunbury Harbour	WBUH	2.973
Busselton	WBSN	9.313
Byford	WBYF	4.024
Canning Vale	WCVE	4.602
Capel	WCAP	7.041
Carrabin	WCAR	22.765
Cataby Kerr McGee	WKMC	8.398
Chapman	WCPN	13.100
Clarence Street	WCLN	7.561
Clarkson	WCKN	5.703
Cockburn Cement	WCCT	3.160
Cockburn Cement Ltd	WCCL	3.151

Substation	TNI	Use of System Price (c/kW/day)
Collie	WCOE	12.721
Collier	WCOL	7.526
Cook Street	WCKT	5.415
Coolup	WCLP	15.772
Cottesloe	WCTE	5.865
Cunderdin	WCUN	17.240
Darlington	WDTN	5.797
Edgewater	WEDG	5.021
Edmund Street	WEDD	5.166
Eneabba	WENB	9.434
Forrest Ave	WFRT	7.571
Forrestfield	WFFD	5.935
Geraldton	WGTN	10.752
Glen Iris	WGNI	3.508
Golden Grove	WGGV	28.181
Gosnells	WGNL	4.777
Hadfields	WHFS	5.742
Hay Street	WHAY	5.742
Hazelmere	WHZM	4.450
Henley Brook	WHBK	4.906
Herdsmen Parade	WHEP	8.708
Joel Terrace	WJTE	7.903
Joondalup	WJDP	5.381
Kalamunda	WKDA	6.064
Katanning	WKAT	14.736
Kellerberrin	WKEL	18.892
Kewdale	WKDL	4.415
Kojonup	WKOJ	6.742
Kondinin	WKDN	8.136
Kwinana Alcoa	WAKW	1.394

Substation	TNI	Use of System Price (c/kW/day)
Kwinana Desalination Plant	WKDP	3.831
Kwinana PWS	WKPS	2.797
Landsdale	WLDE	5.175
Maddington	WMDN	4.650
Malaga	WMLG	4.420
Mandurah	WMHA	3.796
Manjimup	WMJP	8.841
Manning Street	WMAG	6.428
Margaret River	WMRV	14.831
Marriott Road Barrack Silicon Smelter	WBSI	2.844
Marriott Road	WMRR	2.491
Mason Road	WMSR	2.220
Mason Road CSBP	WCBP	3.358
Mason Road Kerr McGee	WKMK	2.035
Meadow Springs	WMSS	4.305
Medical Centre	WMCR	6.811
Medina	WMED	3.205
Merredin 66kV	WMER	16.077
Midland Junction	WMJX	5.410
Milligan Street	WMIL	6.413
Moora	WMOR	9.055
Morley	WMOY	5.898
Mt Barker	WMBR	15.998
Muchea Kerr McGee	WKMM	8.544
Muchea	WMUC	5.658
Muja PWS	WMPS	1.701
Mullaloo	WMUL	5.559
Munday	WMDY	5.992
Murdoch	WMUR	3.585
Mundaring Weir	WMWR	8.679

Substation	TNI	Use of System Price (c/kW/day)
Myaree	WMYR	6.847
Narrogin	WNGN	19.504
Nedlands	WNED	6.412
North Beach	WNBH	5.723
North Fremantle	WNFL	5.756
North Perth	WNPH	4.884
Northam	WNOR	11.522
Nowgerup	WNOW	6.601
O'Connor	WOCN	5.972
Osborne Park	WOPK	6.206
Padbury	WPBY	5.798
Parkeston	WPRK	20.165
Parklands	WPLD	4.425
Piccadilly	WPCY	16.036
Picton 66kv	WPIC	4.098
Pinjarra	WPNJ	3.164
Rangeway	WRAN	12.194
Regans	WRGN	9.701
Riverton	WRTN	3.962
Rivervale	WRVE	6.160
Rockingham	WROH	3.395
Sawyers Valley	WSVY	9.615
Shenton Park	WSPA	6.670
Southern River	WSNR	4.159
South Fremantle 22kV	WSFT	4.313
Summer St	WSUM	8.157
Sutherland	WSRD	4.884
Tate Street	WTTS	6.888
Three Springs	WTSG	8.993
Three Springs Terminal (Karara)	WTST	21.718

Substation	TNI	Use of System Price (c/kW/day)
Tomlinson Street	WTLN	6.978
University	WUNI	7.395
Victoria Park	WVPA	6.733
Wagerup	WWGP	2.479
Wagin	WWAG	15.103
Waikiki	WWAI	3.711
Wangara	WWGA	5.314
Wanneroo	WWNO	5.592
Wellington Street	WWNT	8.116
Welshpool	WWEL	4.388
Wembley Downs	WWDN	6.549
West Kalgoorlie	WWKT	14.659
Western Collieries	WWCL	2.496
Western Mining	WWMG	2.933
Westralian Sands	WWSD	6.385
Willetton	WWLN	4.217
Worsley	WWOR	2.071
Wundowie	WWUN	11.752
Yanchep	WYCP	5.601
Yerbillon	WYER	21.889
Yilgarn	WYLN	16.440
Yokine	WYKE	6.066

The prices in the following table are applicable for reference tariffs **RT11**, **TRT2** and **TRT3**.

Table 2.22: Reference tariffs RT11, TRT2 and TRT3

Substation	TNI	Use of System Price (c/kW/day)
Albany	WALB	2.357
Badgingarra	BGA	2.404
Boulder	WBLD	1.706
Bluewaters	WBWP	2.371

Substation	TNI	Use of System Price (c/kW/day)
Cockburn PWS	WCKB	1.437
Collgar	WCGW	2.722
Collie PWS	WCPS	2.758
Emu Downs	WEMD	2.404
Geraldton	WGTN	0.403
Greenough Solar Farm	TMGS	0.514
Kemerton PWS	WKEM	1.916
Kwinana Alcoa	WAKW	1.482
Kwinana Donaldson Road	WKND	1.126
Kwinana PWS	WKPS	1.437
Landwehr (Alinta)	WLWT	1.789
Mason Road	WMSR	1.126
Merredin Power Station	TMDP	1.981
Muja PWS	WMPS	2.894
Mumbida Wind Farm	TMBW	2.438
Mungarra GTs	WMGA	2.395
Newgen Kwinana	WNGK	1.673
Newgen Neerabup	WGNN	1.474
Oakley (Alinta)	WOLY	1.995
Parkeston	WPKS	2.057
Pinjar GTs	WPJR	1.196
Alcoa Pinjarra	WAPJ	2.095
Tiwest GT	WKMK	1.162
Wagerup	WWGP	1.649
Walkaway Windfarm	WWWF	2.645
West Kalgoorlie GTs	WWKT	1.673
Worsley	WWOR	1.873
Yandin Wind Farm	WYDW	1.474
Merredin Solar Farm	WMSF	1.981
Warradarge Wind Farm	WWDW	2.404

2.3.2 Common service prices

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

Table 2.23: Common Service Prices TRT1

	Common Service Price (c/kW/day)
Common service price	5.490

2.3.3 Control system service prices

The prices in the following table are applicable for reference tariffs **RT11, TRT2** and **TRT3**.

Table 2.24: Control system service prices for reference tariffs RT11, TRT2 and TRT3

	Price (c/kW/day)
Control system service price (Generators)	0.232

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

Table 2.25: Control system service prices for reference tariff TRT1

	Price (c/kW/day)
Control system service price (Loads)	2.060

2.4 Excess network usage charges – substation classification

The following table applies to reference tariffs **RT7, RT8, RT11, TRT1, TRT2** and **TRT3**. The quantum of these fees is subject to review as part of Western Power's revised AA5 proposal.

Table 2.26: Values for ENUM for reference tariffs RT7, RT8, RT11, TRT1, TRT2 and TRT3

TNI	ENUM
ALB, BKF, BLD, BNY, PCY, PKS, WKT	2.5
All other substations	1

2.5 Other prices

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

Table 2.27: Supply abolishment charges for RT25

Location	Charge (\$)
Whole current meters metropolitan area ⁶	448.844

⁶ As defined in the Electricity Industry (Metering) Code

Whole current meters non-Metropolitan area	571.696
Non- whole current meters	User specific charge which reflects the costs to Western Power of undertaking the requested supply abolishment requested by the user and may consist of capital and non-capital costs.

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

Table 2.28: Charges for RT26, RT27, RT28 and RT29

Service	Charge per request (\$)
RT26	5.508
RT27	5.508
RT28	5.508
RT29	5.508

2.6 Applications and Queuing Policy fees

The Applications and Queuing Policy refers to several fees being published in the Price List. These prices are detailed below and are subject to review as part of Western Power’s revised AA5 proposal:

Table 2.29: Fees payable under the Applications and Queuing Policy

Fee type	Price
New Standard Access Contract Fee	\$1,150.00
Access Contract Modification Fee	\$140 per modification
Enquiry Fee	\$3,500.00
Application Lodgement Fee	\$5,000.00
Preliminary Offer Processing Fee	A variable fee
Preliminary Acceptance Fee	A variable fee
Distributed energy or other non-network solution assessment fee (B3 or C15)	A variable fee ⁷
Capacity allocation service fee – for a capacity swap reference service (D2)	\$350.00
Remote load control/limitation/de-energise/re-energise service fee	A variable fee

⁷ Western Power intends to review this with a view to defining a fixed fee in its AA5 revised proposal.

Table 2.28: Fees payable under the Applications and Queuing Policy

Application for Reference Service	New Connection Point Fee
A1 – Anytime Energy (Residential) Exit Service	\$0.00 per connection point
A2 – Anytime Energy (Business) Exit Service	\$0.00 per connection point
A3 – Time of Use Energy (Residential) Exit Service	\$0.00 per connection point
A4 – Time of Use Energy (Business) Exit Service	\$0.00 per connection point
A5 – High Voltage Metered Demand Exit Service C5 – High Voltage Metered Demand Bi-directional Service	\$44.00 per connection point
A6 – Low Voltage Metered Demand Exit Service C6 – Low Voltage Metered Demand Bi-directional Service	\$44.00 per connection point
A7 – High Voltage Contract Maximum Demand Exit Service C7 – High Voltage Contract Maximum Demand Bi-directional Service	\$88.00 per connection point
A8 – Low Voltage Contract Maximum Demand Exit Service C8 – Low Voltage Contract Maximum Demand Bi-directional Service	\$88.00 per connection point
A9 – Streetlighting Exit Service	\$0.00 per connection point
A10 – Unmetered Supplies Exit Service	\$0.00 per connection point
A11 – Transmission Exit Service	\$175.00 per connection point
B1 – Distribution Entry Service	\$175.00 per connection point
B2 – Transmission Entry Service	\$175.00 per connection point
B3 – Entry Service Facilitating a Distributed Generation or Other Non-Network Solution	\$175.00 per connection point
C1 – Anytime Energy (Residential) Bi-directional Service	\$0.00 per connection point
C2 – Anytime Energy (Business) Bi-directional Service	\$0.00 per connection point
C3 – Time of Use (Residential) Bi-directional Service	\$0.00 per connection point
C4 – Time of Use (Business) Bi-directional Service	\$0.00 per connection point
A12 – 3 Part Time of Use Energy (Residential) Exit Service C9 – 3 Part Time of Use Energy (Residential) Bi-directional Service	\$0.00 per connection point
A13 – 3 Part Time of Use Energy (Business) Exit Service C10 – 3 Part Time of Use Energy (Business) Bi-directional Service	\$0.00 per connection point
A14 – 3 Part Time of Use Demand (Residential) Exit Service C11 – 3 Part Time of Use Demand (Residential) Bi-directional Service	\$0.00 per connection point
A15 – 3 Part Time of Use Demand (Business) Exit Service C12 – 3 Part Time of Use Demand (Business) Bi-directional Service	\$0.00 per connection point

Application for Reference Service	New Connection Point Fee
A16 – Multi Part Time of Use Energy (Residential) Exit Service C13 – Multi Part Time of Use Energy (Residential) Bi-directional Service	\$0.00 per connection point
A17 – Multi Part Time of Use Energy (Business) Exit Service C14 – Multi Part Time of Use Energy (Business) Bi-directional Service	\$0.00 per connection point
C15 – Bi-directional Service Facilitating a Distributed Generation or Other Non-Network Solution	\$175.00 per connection point

The AQP includes two variable fees, the preliminary offer processing fee and preliminary acceptance fee. The methodology for these fees can be found on the following webpage:

<https://westernpower.com.au/about/regulation/network-access-prices/>