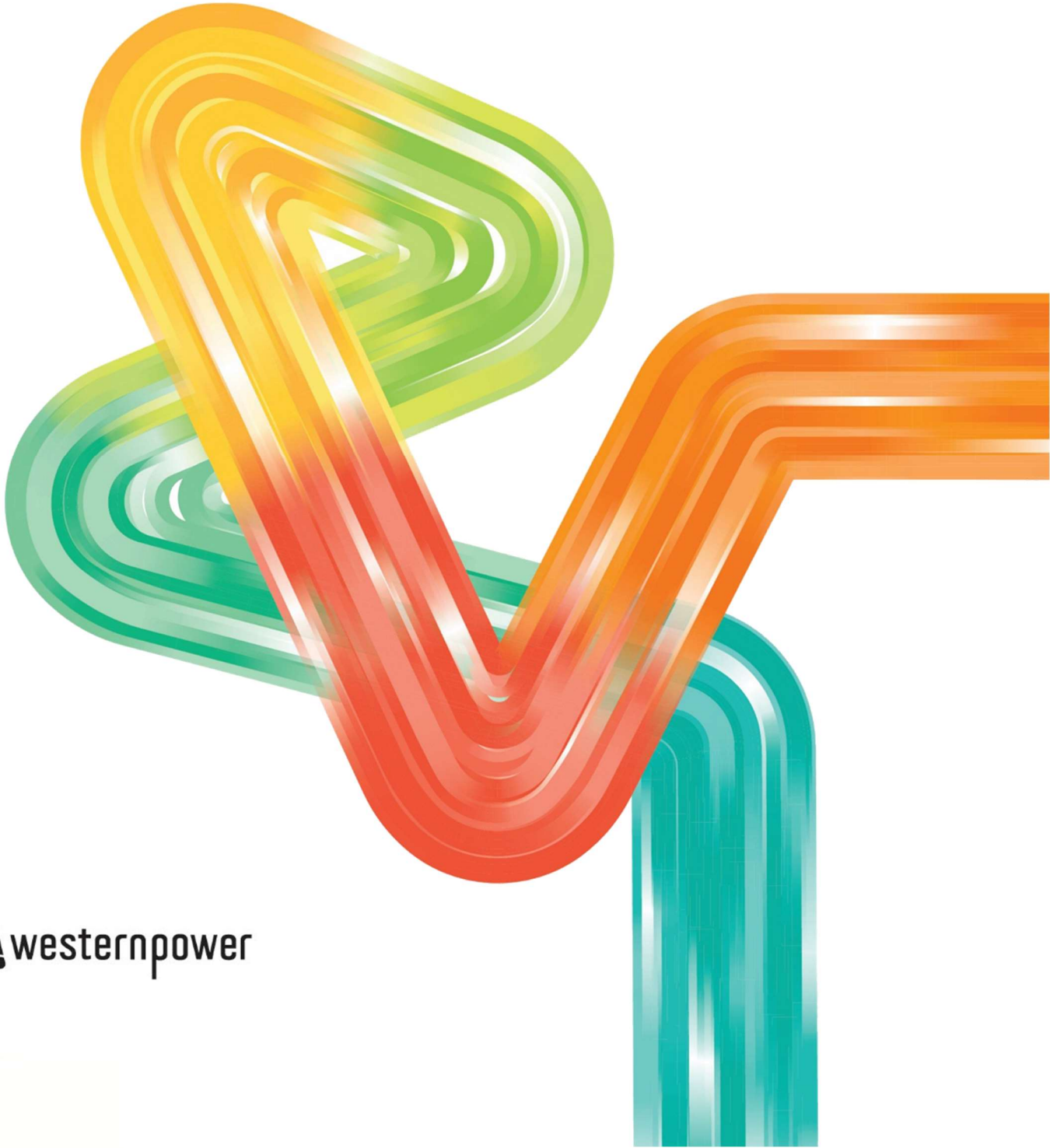


2022/23 Loss Factor Report

Public

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1. Introduction

This report details the loss factors calculated for the 2022/23 financial year as required by section 2.27 of the Market Rules.

To comply with the obligations under section 2.27 of the Market Rules Western Power has:

- Recalculated all transmission loss factors.
- Recalculated all average distribution loss factors.
- Recalculated all individual distribution loss factors for customers with a CMD greater than 7,000 kVA.
- Recalculated all individual distribution loss factors for customers with a CMD between 1,000 and 7,000 kVA located greater than 10 km from the electrically closest substation.
- Recalculated the individual distribution loss factors for customers with a CMD between 1,000 and 7,000 kVA located less than 10 km from the electrically closest substation, where an individual distribution loss factor has been elected by the associated retailer.
- Recalculated all individual distribution loss factors for distribution connected generation customers.

2. Basis for Calculation

Western Power calculates loss factors in accordance with the Market Procedure for Determining Loss Factors (the Market Procedure). The following sections provide further detail on the methodology used by Western Power in calculating loss factors.

2.1 Transmission loss factors

Western Power has calculated the transmission loss factors in accordance with section 4.1 of the Market Procedure using the software package T-price.

2.2 Average distribution loss factors

The methodology calculates the average distribution loss factors by:

- Determining losses within the zone substation transformers.
- Determining HV feeder losses.
- Determining distribution transformer losses.
- Determining LV feeder losses (allowing separately for residential and commercial losses).
- Western Power allocates the average distribution losses based on the usage of the various components of the network. An appropriate basis for this allocation is the reference services (offered in Western Power's access arrangement) and in accordance with the Market Procedure Western Power has determined an average loss factor for relevant reference services.

2.3 Individual distribution loss factors

Western Power calculates the individual distribution loss factors in accordance with section 4.2 of the Market Procedure.

The methodology used to calculate the individual distribution loss factors uses the formulae and methodology detailed in Schedule 4 of the Electricity Distribution Regulations 1997.¹ Schedule 4 of the Electricity Distribution Regulations 1997 is reproduced below:

1. To calculate the loss factor for a distribution connection which is an exit point a corporation must follow the following steps:
 - (a) the corporation must determine the line losses assuming the distribution connection was not there and assuming feeder maximum load;
 - (b) the corporation must determine the line losses assuming only the distribution connection was there and assuming feeder maximum load;
 - (c) the corporation must determine the total line losses assuming all the distribution connections are there (including the distribution connection for which the loss factor is being determined) and assuming feeder maximum load;

¹ For sites supplied from multiple feeders the distribution loss factor has been determined as if the load is evenly split across the feeders. The resultant distribution loss factor is the average of the calculated distribution loss factors.

- (d) the corporation must allocate a share of the total line losses calculated under step (c) to the distribution connection for which the loss factor is being determined based on the ratio of the result of step (b) and the sum of the results of steps (a) and (b);
- (e) the corporation must calculate the loss factor for the distribution connection by applying the following formula:

$$LF_{Exit} = 1 + \frac{A}{B}$$

where —

- A (in kW) is the share of the total line losses allocated to the distribution connection under step (d);
- B (in kW) is the contract maximum demand for the distribution connection.

2. To calculate the loss factor for a distribution connection which is an entry point a corporation must follow the following steps:

- (a) the corporation must determine the line losses assuming the distribution connection was not there and assuming feeder maximum load;
- (b) the corporation must determine the total line losses assuming all the distribution connections are there (including the distribution connection for which the loss factor is being determined) and assuming feeder maximum load;
- (c) the corporation must calculate the loss decrease or increase for the distribution connection for which the loss factor is being determined by subtracting the result of step (b) from the result of step (a);
- (d) the corporation must calculate the loss factor for the distribution connection by applying the following formula:

$$LF_{Entry} = 1 + \frac{A}{B}$$

where —

- A (in kW) is the loss increase or decrease calculated for the distribution connection under step (c);
- B (in kW) is the declared sent-out capacity for the distribution connection.

3. Applicable Reference Services

The Market Procedure requires Western Power to define a subset of reference services as ‘Applicable Reference Services’. The following table details the reference services that will be allocated to ‘applicable reference services’ from 1 July 2022.

3.1 Applicable Reference Services

AA4 Reference services that are ‘Applicable Reference Services’
A1 – Anytime Energy (Residential) Exit Service
A2 – Anytime Energy (Business) Exit Service
A3 – Time of Use Energy (Residential) Exit Service
A4 – Time of Use Energy (Business) Exit Service
A5 – High Voltage Metered Demand Exit Service
C5 – High Voltage Metered Demand Bi-directional Service
A6 – Low Voltage Metered Demand Exit Service
C6 – Low Voltage Metered Demand Bi-directional Service
C1 – Anytime Energy (Residential) Bi-directional Service
C2 – Anytime Energy (Business) Bi-directional Service
C3 – Time of Use (Residential) Bi-directional Service
C4 – Time of Use (Business) Bi-directional Service
A12 – 3 Part Time of Use Energy (Residential) Exit Service
C9 – 3 Part Time of Use Energy (Residential) Bi-directional Service
A13 – 3 Part Time of Use Energy (Business) Exit Service
C10 – 3 Part Time of Use Energy (Business) Bi-directional Service
A14 – 3 Part Time of Use Demand (Residential) Exit Service
C11 – 3 Part Time of Use Demand (Residential) Bi-directional Service
A15 – 3 Part Time of Use Demand (Business) Exit Service
C12 – 3 Part Time of Use Demand (Business) Bi-directional Service
A16 – Multi Part Time of Use Energy (Residential) Exit Service
C13 – Multi Part Time of Use Energy (Residential) Bi-directional Service
A17 – Multi Part Time of Use Energy (Business) Exit Service
C14 – Multi Part Time of Use Energy (Business) Bi-directional Service

4. Transmission Loss Factors

Western Power has calculated the following transmission loss factors for the 2022/23 financial year.

Table 4.1 - Transmission Loss Factors

TLF Code	Description	Applied in 2021/22	To apply in 2022/23
TAPA	Alcoa Pinjarra (Alcoa)	1.0109	1.0223
TAPL	Alcoa Pinjarra (Alinta)	1.0101	1.0230
TBLB	Bluewaters	1.0004	1.0005
TBLS	Boulder (SCE)	1.1396	1.1022
TKRA	Karara Three Springs	1.0251	1.0253
TLWA	Landwehr (Alinta)	1.0107	1.0150
TMBA	Mumbida Wind Farm	0.9310	0.9216
TMDP	Merredin Power Station	0.8965	0.8750
TMGS	Greenough River Solar Farm	0.9483	0.9538
TMSK	Mason Road (KPP)	1.0333	1.0446
TOLA	Oakley (Alinta)	1.0147	1.0200
TSAV	Transmission SWIN Average	1.0312	1.0391
TUAV	Transmission Urban Average	1.0377	1.0458
TWKG	West Kalgoorlie GTs	1.0758	1.0948
TWOJ	Worsley (Joint Venture)	0.9752	0.9856
TWOW	Worsley (Worsley)	0.9752	0.9855
WAFM	Australian Fused Materials	1.0339	1.0442
WAKW	Kwinana Alcoa	1.0336	1.0418
WALB	Albany	1.0622	1.0733
WAMT	Amherst	1.0428	1.0539
WAPM	Australian Paper Mills	1.0467	1.0582
WARK	Arkana	1.0346	1.0419
WBCH	Beechboro	1.0364	1.0437
WBCT	Balcatta	1.0351	1.0425
WBDE	Baandee	1.0447	1.0464
WBDP	Binningup Desalination Plant	1.0159	1.0180
WBEC	Beckenham	1.0273	1.0336
WBEL	Belmont	1.0312	1.0371

TLF Code	Description	Applied in 2021/22	To apply in 2022/23
WBGGM	Boddington Gold Mine	1.0115	1.0112
WBWF	Badgingarra Wind Farm	0.9744	0.9696
WBHK	Broken Hill Kwinana	1.0359	1.0419
WBIB	Bibra Lake	1.0418	1.0524
WBKF	Black Flag	1.1604	1.1625
WBLD	Boulder	1.1451	1.1439
WBNP	Beenup	1.0297	1.0339
WBNY	Bounty	1.0730	1.0692
WBOD	Boddington	1.0105	1.0102
WBPM	British Petroleum	1.0430	1.0437
WBSI	Marriott Road Barrack Silicon Smelter	1.0138	1.0163
WBSN	Busselton	1.0525	1.0644
WBTN	Bridgetown	1.0131	1.0183
WBTY	Bentley	1.0318	1.0379
WBUH	Bunbury Harbour	1.0073	1.0142
WBYF	Byford	1.0372	1.0452
WCAP	Capel	1.0424	1.0491
WCAR	Carrabin	1.0904	1.0886
WCBP	Mason Road CSBP	1.0313	1.0421
WCCL	Cockburn Cement Ltd	1.0295	1.0364
WCCT	Cockburn Cement	1.0324	1.0407
WCGW	Collgar Windfarm	0.9761	0.9537
WCKN	Clarkson	1.0327	1.0402
WCKT	Cook Street	1.0380	1.0449
WCLN	Clarence Street	1.0375	1.0451
WCLP	Coolup	1.0174	1.0268
WCOE	Collie	1.0142	1.0161
WCOL	Collier	1.0388	1.0458
WCPN	Chapman	1.0004	1.0113
WCPS	Collie PWS	0.9937	0.9951
WCTB	Cataby		1.0135
WCTE	Cottesloe	1.0425	1.0526

TLF Code	Description	Applied in 2021/22	To apply in 2022/23
WCUN	Cunderdin	1.0798	1.0891
WCVE	Canning Vale	1.0289	1.0352
WDTN	Darlington	1.0360	1.0435
WDUR	Durlacher	0.9939	1.0018
WEDD	Edmund Street	1.0433	1.0551
WEDG	Edgewater	1.0338	1.0409
WEMD	Emu Downs	0.9848	0.9836
WENB	Eneabba	1.0502	1.0433
WFFD	Forrestfield	1.0332	1.0391
WFRT	Forrest Ave	1.0392	1.0465
WGGV	Golden Grove	1.0412	1.0476
WGNI	Glen Iris	1.0247	1.0305
WGNL	Gosnells	1.0319	1.0390
WGNN	Newgen Neerabup	1.0314	1.0418
WGTN	Geraldton	0.9939	1.0018
WHAY	Hay Street	1.0362	1.0429
WHBK	Henley Brook	1.0393	1.0468
WHFS	Hadfields	1.0359	1.0429
WHZM	Hazelmere	1.0305	1.0367
WJDP	Joondalup	1.0334	1.0413
WJTE	Joel Terrace	1.0388	1.0458
WKAT	Katanning	1.0551	1.0613
WKDA	Kalamunda	1.0368	1.0445
WKDL	Kewdale	1.0300	1.0355
WKDN	Kondinin	1.0280	1.0248
WKDP	Kwinana Desalination Plant	1.0320	1.0413
WKEL	Kellerberrin	1.0489	1.0508
WKEM	Kemerton PWS	1.0099	1.0140
WKMC	Cataby Kerr McGee	1.0079	1.0144
WKMK	Kerr McGee Kwinana	1.0312	1.0419
WKMM	Muchea Kerr McGee	1.0253	1.0333
WKND	Kwinana Donaldson Road (Western Energy)	1.0350	1.0374

TLF Code	Description	Applied in 2021/22	To apply in 2022/23
WKOJ	Kojonup	1.0297	1.0332
WKPS	Kwinana PWS	1.0333	1.0427
WLDE	Landsdale	1.0372	1.0449
WMAG	Manning Street	1.0372	1.0452
WMBR	Mt Barker	1.0693	1.0763
WMCR	Medical Centre	1.0425	1.0504
WMDN	Maddington	1.0302	1.0369
WMDY	Munday	1.0324	1.0380
WMED	Medina	1.0377	1.0484
WMER	Merredin	1.0364	1.0354
WMGA	Mungarra GTs	1.0011	0.9998
WMHA	Mandurah	1.0407	1.0533
WMIL	Milligan Street	1.0345	1.0398
WMJP	Manjimup	1.0193	1.0244
WMJX	Midland Junction	1.0311	1.0373
WMLG	Malaga	1.0322	1.0387
WMOR	Moora	1.0321	1.0368
WMOY	Morley	1.0362	1.0439
WMPS	Muja PWS	1.0000	1.0000
WMRR	Marriot Road	1.0119	1.0145
WMRV	Margaret River	1.1172	1.1264
WMSF	Merredin Solar Farm	0.9897	0.9969
WMSR	Mason Road	1.0314	1.0409
WMSS	Meadow Springs	1.0400	1.0520
WMUC	Muchea	1.0288	1.0358
WMUL	Mullaloo	1.0399	1.0421
WMUR	Murdoch	1.0255	1.0306
WMYR	Myaree	1.0514	1.0648
WNBH	North Beach	1.0378	1.0461
WNGK	NewGen Kwinana	1.0223	1.0282
WNGN	Narrogin	1.0193	1.0181
WNOR	Northam	1.0542	1.0603

TLF Code	Description	Applied in 2021/22	To apply in 2022/23
WNOW	Nowgerup	1.0268	1.0330
WNPB	North Perth	1.0393	1.0466
WOCN	O'Connor	1.0496	1.0629
WOPK	Osborne Park	1.0349	1.0411
WPBY	Padbury	1.0379	1.0464
WPCY	Piccadilly	1.1410	1.1379
WPIC	Picton	1.0054	1.0132
WPJR	Pinjar	1.0229	1.0323
WPKS	Parkeston	1.1322	1.1245
WPLD	Parklands	1.0335	1.0443
WPNJ	Pinjarra	1.0276	1.0381
WRAN	Rangeway	0.9938	1.0046
WRGN	Regans	1.0168	1.0266
WROH	Rockingham	1.0386	1.0494
WRTN	Riverton	1.0286	1.0352
WRVE	Rivervale	1.0312	1.0371
WSFT	South Fremantle	1.0313	1.0596
WSNR	Southern River	1.0331	1.0412
WSNX	Southern Cross	1.0875	1.0829
WSPK	Shenton Park	1.0402	1.0486
WSRD	Sutherland	1.0385	1.0462
WSUM	Summer St	1.0372	1.0442
WSVY	Sawyers Valley	1.0394	1.0463
WTLA	Tianqi Lithium	1.0326	1.0443
WTSG	Three Springs	1.0157	1.0162
WTTS	Tate Street	1.0308	1.0366
WWAG	Wagin	1.0600	1.0678
WWAI	Waikiki	1.0436	1.0564
WWCL	Western Collieries	0.9913	0.9937
WWDN	Wembley Downs	1.0453	1.0554
WWDW	Warradarge Wind Farm	0.9952	1.0009
WWEL	Welshpool	1.0305	1.0363

TLF Code	Description	Applied in 2021/22	To apply in 2022/23
WWGA	Wangara	1.0351	1.0414
WWGP	Wagerup	0.9935	1.0070
WWKT	West Kalgoorlie	1.1430	1.1403
WWLN	Willetton	1.0291	1.0358
WWMG	Western Mining	1.0330	1.0437
WWNO	Wanneroo	1.0293	1.0378
WWNT	Wellington Street	1.0384	1.0451
WWSD	Westralian Sands	1.0189	1.0309
WWUN	Wundowie	1.0587	1.0661
WWWF	Walkaway Windfarm	0.9258	0.9184
WYCP	Yanchep	1.0308	1.0394
WYDW	Yandin Wind Farm	1.0070	1.0102
WYER	Yerbillon	1.0959	1.0964
WYKE	Yokine	1.0365	1.0446
WYLN	Yilgarn	1.0711	1.0701

5. Average Distribution Loss Factors

Western Power has calculated the following average distribution loss factors for the 2022/23 financial year based on the Market Procedure:

Table 5.1 - Average Distribution Loss Factors

Customer Segment	Applicable Reference Services	DLF Code	Applied in 2021/22	To apply in 2022/23
Residential	A1 - Anytime Energy (Residential)	QRT1	1.0491	1.0655
	A3 - Time of Use Energy (Residential)			
	C1 – Anytime Energy (Residential) Bi-directional			
	C3 – Time of Use Energy (Residential) Bi-directional			
	A12 - 3 Part Time of Use Energy (Residential)			
	A14 - 3 Part Time of Use Demand (Residential)			
	A16 - Multi Use Part Time of Use Energy (Residential)			
	C9 - 3 Part Time of Use Energy (Residential) Bi-Directional			
	C11 - 3 Part Time of Use Demand (Residential) Bi-Directional			
	C13 - Multi Use Part Time of Use Energy (Residential) Bi-Directional			
Small Business	A2 - Anytime Energy (Business)	QRT2	1.0435	1.0474
	A4 - Time of Use Energy (Business)			
	C2 – Anytime Energy (Business) Bi-directional			
	C4 – Time of Use Energy (Business) Bi-directional			
	A13 - 3 Part Time of Use Energy (Business)			
	A15 - 3 Part Time of Use Demand (Business)			
	A17 - Multi Use Part Time of Use Energy (Business)			
	C10 - 3 Part Time of Use Energy (Business) Bi-directional			
	C12 - 3 Part Time of Use Demand (Business) Bi-directional			
	C14 - Multi Use Part Time of Use Energy (Business) Bi-directional			
Medium Business High Voltage	A5 - High Voltage Metered Demand	QRT5	1.0184	1.0192
	C5 - High Voltage Metered Demand Bi-Directional			
Medium Business Low Voltage	A6 - Low Voltage Metered Demand	QRT6	1.0417	1.0416
	C6 - Low Voltage Metered Demand Bi-Directional			

Zone Substation Connected	A7 - High Voltage Contract Maximum Demand (Zone Substation Connected)	QR7Z	1.0055	1.0055
	Zone Substation Connections	QZSC	1.0055	1.0055
Transmission Connected (No DLF)		QNLF	1.0000	1.0000
Notional Wholesale Meter		QNWM	1.0488	1.0651
Distribution System Wide Average Loss Factor		QAVG	1.0437	1.0510

6. Individual Distribution Loss Factors

Western Power has calculated the following individual distribution loss factors for the 2022/23 financial year.

Table 6.1 - Individual Distribution Loss Factors

DLF Code	Description	Applied in 2021/22	To apply in 2022/23
QAAL	AIR LIQUIDE AUSTRALIA LIMITED	1.0102	1.0100
QAHU	OAHU MANAGEMENT PTY LTD C/- HAWAIIAN PTY LTD	1.0091	1.0093
QALL	ALBEMARLE LITHIUM PTY LTD	1.0129	1.0105
QALM	ALBEMARLE LITHIUM PTY LTD	1.0127	1.0070
QALP	ALBEMARLE LITHIUM PTY LTD	1.0126	1.0069
QANF	ANDERSON WIND FARM	0.9985	1.0204
QAPI	AUSTRALASIAN PROPERTY INVESTMENTS LTD	1.0089	1.0144
QARG	PADDINGTON GOLD MINE	1.0224	1.0120
QAWF	ALBANY WIND FARM	0.9908	0.9757
QAWT	AUSWEST TIMBERS PTY LTD		1.0280
QBBM	BARRETT BURSTON MALTING CO. PTY. LTD.		1.0055
QBBP	BRICKWORKS BUILDING PRODUCTS PTY LTD (GREENBUSHES)	1.0271	1.0414
QBBW	BREMER BAY WIND FARM	1.2833	1.2904
QBCB	BUNBURY CENTREPOINT SHOPPING CENTRE INVESTMENT TRUST	1.0081	1.0084
QBFB	BLAIR FOX PTY LTD	1.0031	1.0040
QBGM	BGM MANAGEMENT COMPANY PTY LTD	1.059	1.0347
QBGP	BGC (AUSTRALIA) PTY LTD	1.0063	1.0064
QBGQ	BGC AUSTRALIA PTY LTD	1.064	1.0737
QBKR	BRADKEN RESOURCES PTY LTD	1.0055	1.0089
QBLB	BRICKWORKS BUILDING PRODUCTS PTY LTD		1.0086
QBMA	TIANYE SXO GOLD MINING PTY LTD	1.1153	1.0897
QBNB	BGC (AUSTRALIA) PTY LTD	1.0177	1.0166
QBOC	BOC LIMITED	1.0095	1.0056
QBPA	SOUTHERN PORTS AUTHORITY PORT OF BUNBURY	1.0077	1.0080
QBRR	BRADKEN RESOURCES PTY LIMITED		1.0098
QBTF	INVESTA NOMINEES (2) PTY LTD AND COMMONWEALTH SUPERANNUATION CORPORATION	1.0113	1.0058

DLF Code	Description	Applied in 2021/22	To apply in 2022/23
QBUL	CO OPERATIVE BULK HANDLING LTD	1.0359	1.0365
QBUR	BURSWOOD NOMINEES LIMITED AS TRUSTEE FOR THE BURSWOOD	1.0079	1.0080
QBUS	BURSWOOD NOMINEES LIMITED AS TRUSTEE FOR THE BURSWOOD PROPERTY TRUST	1.0062	1.0073
QBWA	BRICKWORKS BUILDING PRODUCTS PTY LTD (CAVERSHAM)		1.0152
QBWB	BRICKWORKS BUILDING PRODUCTS PTY LTD		1.0095
QBWC	BRICKWORKS BUILDING PRODUCTS PTY LTD		1.0147
QCAS	CASTELLI NOMINEES PTY LTD	1.038	1.0315
QCBC	COCKBURN CEMENT LIMITED	1.0666	1.1095
QCBH	CO OPERATIVE BULK HANDLING LTD	1.0689	1.0722
QCEM	COCKBURN CEMENT LIMITED	1.0081	1.0078
QCEN	SCENTRE SHOPPING CENTRE MANAGEMENT (WA) PTY LTD	1.0111	1.0099
QCMA	TRONOX MINING AUSTRALIA LIMITED	1.0369	1.0249
QCPC	CALARDU PERTH CITY WEST & GERALD HARVEY	1.0083	1.0082
QCPU	CBUS PROPERTY PTY LTD	1.0061	1.0082
QCSK	CSIRO KENSINGTON		1.0146
QCSW	TRONOX MINING AUSTRALIA LIMITED	1.0111	1.0112
QCTE	A RICHARDS PTY LTD	1.0153	1.0094
QCUR	CURTIN UNIVERSITY B156 - ZONE 2		1.0060
QCUT	THE TRUSTEE FOR COSTA UNIT TRUST TRADING AS THE COSTA GROUP	1.0087	1.0086
QDER	DEPT OF ENVIRONMENT REGULATION	1.0199	1.0184
QDFM	DEXUS FUNDS MANAGEMENT LIMITED	1.0081	1.0089
QDOD	DOD - HMAS STIRLING	1.0151	1.0078
QDOF	DEPARTMENT OF FINANCE	1.0149	1.0159
QDOR	D'ORSOGNA LIMITED		1.0076
QDSX	DEXUS FUNDS MANAGEMENT LIMITED	1.0093	1.0094
QDTO	DATO HOLDINGS PTY LTD	1.0085	1.0083
QDVC	DAVID JONES PTY LTD	1.0091	1.0061
QDWF	DENMARK COMMUNITY WINDFARM LTD	1.3155	1.1801
QDWL	DARWILL PTY LTD	1.0124	1.0126
QDXE	DEXUS FUNDS MANAGEMENT LIMITED	1.0114	1.0116
QEAP	EQUINIX AUSTRALIA PTY LTD	1.0077	1.0096

DLF Code	Description	Applied in 2021/22	To apply in 2022/23
QEMO	EDNA MAY OPERATIONS PTY LTD EDNA MAY GOLD MINE	1.0679	1.0679
QEPF	ENVIRO PIPES PTY LTD	1.0128	1.0103
QEPH	ENVIRO PIPES PTY LTD	1.0056	1.0056
QERD	EVERGREEN REALTY PTY LTD	1.0074	1.0064
QESC	VICINITY CENTRES PM PTY LTD ELLENBROOK SHOPPING CENTRE	1.0097	1.0091
QFER	FAR EAST RIVERSIDE (PERTH) PTY LTD	1.0091	1.0084
QFFM	WESTERN AREAS LTD	1.1612	1.1046
QFIE	BENALE PTY LIMITED	1.0667	1.0895
QFLM	LA MANCHA RESOURCES AUST PTY LTD	1.0556	1.0450
QFRO	FERO GROUP PTY LTD		1.0137
QFUJ	FUJITSU AUSTRALIA LIMITED	1.0051	1.0059
QFUR	FURMANITE AUSTRALIA PTY LTD	1.0203	1.0351
QGDI	GDI NO.44 PTY LTD AFT GDI NO.44 TRUST	1.0107	1.0081
QGLG	DEPARTMENT OF LOCAL GOVERNMENT SPORT AND CULTURAL INDUSTRIES	1.016	1.0160
QGLM	AUSWEST TIMBERS PTY LTD		1.0293
QGMC	CRAIG MOSTYN & CO PTY LTD	1.0055	1.0055
QGRA	GRAND HOTEL MANAGEMENT PTY LTD		1.0117
QGRI	GRIFFIN COAL (THE GRIFFIN COAL MINING COMPANY PTY LTD)	1.0519	1.0511
QGTS	VICINITY CENTRES PM PTY LTD	1.0109	1.0116
QGWF	GEORGE WESTON FOODS LIMITED	1.0072	1.0069
QHGL	HEALTH SCOPE PTY LTD	1.0265	1.0258
QHFM	LACTALIS AUSTRALIA PTY LTD	1.058	1.0416
QHGM	HANKING GOLD MINING PTY LTD	1.0248	1.0261
QHHC	VICINITY CENTRES PM PTY LTD HALLS HEAD CENTRAL	1.0068	1.0065
QHLG	WASTE GAS RESOURCES PTY LTD	1.0054	1.0053
QHMP	FMR INVESTMENTS PTY LTD	1.0725	1.0765
QHVI	HARVEY INDUSTRIES GROUP PTY LTD	1.1823	1.0808
QIEW	INGHAMS ENTERPRISES PTY LTD	1.0101	1.0101
QILR	ILUKA RESOURCES LTD		1.0162
QIRA	ILUKA RESOURCES LTD		1.1671
QIRB	ILUKA RESOURCES LIMITED		1.0159

DLF Code	Description	Applied in 2021/22	To apply in 2022/23
QIRL	ILUKA RESOURCES LTD	1.0467	1.0259
QIRN	IMAGE RESOURCES NL	1.1044	1.0823
QJAN	JANDAKOT AIRPORT HOLDINGS	1.0142	1.0181
QJOE	CARGILL MALT ASIA PACIFIC PTY LTD (WA)	1.0091	1.0094
QKBG	NORTHERN STAR (KANOWNA) LIMITED	1.1103	1.1219
QKEM	KEMERTON SILICA SAND PTY LTD	1.0709	1.0135
QKEY	KEYSBROOK LEUCOXENE PTD LTD	1.0221	1.0210
QKUD	NORTHERN STAR (HBJ) PTY LTD	1.0241	1.0102
QKWF	VERVE ENERGY	1.0703	1.0935
QLES	LENDLEASE PROPERTY MANAGEMENT	1.008	1.0099
QLGA	LANDFILL GAS & POWER PTY LTD	1.0259	0.9978
QLGC	LANDFILL GAS & POWER PTY LTD	1.028	1.0122
QLGD	LANDFILL GAS & POWER PTY LTD	1.0055	1.0054
QLGE	LEGION ENERGY PTY LTD	1.0084	1.0094
QLHT	HAWAIIAN INVESTMENTS PTY LTD C/- HAWAIIAN PTY LTD	1.0088	1.0090
QLJS	LENDLEASE PROPERTY MANAGEMENT	1.0069	1.0072
QLMR	EVOLUTION MINING (MUNGARRI) PTY LTD	1.1053	1.1139
QLPG	FAR EAST HARBOUR TOWN PTY LTD	1.0127	1.0128
QLPM	LENDLEASE PROPERTY MANAGEMENT	1.0094	1.0097
QLSP	LENDLEASE PROPERTY MANAGEMENT	1.0349	1.0355
QMBW	MT BARKER POWER COMPANY	1.0369	1.0572
QMEE	SCENTRE SHOPPING CENTRE MANAGEMENT (WA) PTY LTD	1.0083	1.0066
QMGS	VICINITY CENTRES PM PTY LTD	1.008	1.0073
QMHP	MIDPOINT HOLDINGS PTY TD	1.0096	1.0095
QMIC	TRONOX PIGMENT BUNBURY LTD	1.0061	1.0061
QMID	CAPITARY NO.3 PTY LTD	1.0155	1.0181
QMIE	CAPITARY NO.3 PTY LTD	1.0132	1.0167
QMIL	MILNE AGRIGROUP PTY LTD	1.0078	1.0079
QMIR	MIRVAC REAL ESTATE PTY LTD	1.0104	1.0064
QMMP	MRS MACS PTY LIMITED	1.0195	1.0182
QMPP	METRO POWER COMPANY PTY LTD	1.0192	1.0325

DLF Code	Description	Applied in 2021/22	To apply in 2022/23
QMRY	MURDOCH UNIVERSITY	1.0081	1.0063
QMTC	METCASH TRADING LIMITED	1.009	1.0091
QNDC	NEXTDC LIMITED		1.0086
QNEW	NEWMONT POWER PTY LTD	1.1019	1.0873
QNGF	NORTON GOLD FIELDS PTY LTD ENTERPRISE NEW SITE		1.0189
QNXD	NEXTDC LIMITED		1.0069
QPAG	PADDINGTON GOLD MINE	1.0983	1.0762
QPAN	THE TRUSTEE FOR SUCCESS VENTURE WA UNIT TRUST		1.0087
QPEA	LANDFILL MANAGEMENT SYSTEMS	1.0161	1.0240
QPEB	ASSET MANAGER AGL NATIONAL ASSETS	1.0128	1.0130
QPER	PERPETUAL TRUSTEE COMPANY LIMITED	1.0071	1.0105
QPMP	OVATO PRINT PTY LTD	1.0109	1.0119
QPNK	POSEIDON NICKEL LIMITED		1.0057
QPTA	PUBLIC TRANSPORT AUTHORITY OF WESTERN AUSTRALIA	1.0079	1.0107
QPTD	PUBLIC TRANSPORT AUTHORITY OF WESTERN AUSTRALIA	1.0103	1.0103
QPWA	PRIMEWEST (AUSTRALIA PLACE) PTY LTD	1.0069	1.0057
QPWQ	PWQ PTY LTD ATF QUADRANT SUB TRUST	1.0071	1.0082
QRCS	VICINITY CENTRES PM PTY LTD ROCKINGHAM CITY SHOPPING CENTRE	1.0082	1.0078
QRPH	EAST METROPOLITAN HEALTH SERVICE	1.0107	1.0108
QRRR	DOD - RAAF PEARCE	1.1164	1.0338
QSAD	SCENTRE SHOPPING CENTRE MANAGEMENT (WA) PTY LTD	1.0102	1.0154
QSAP	W A SPECIALTY ALLOYS PTY LTD	1.007	1.0067
QSER	SERCO AUSTRALIA PTY LIMITED NMI-8001006864	1.0431	1.0679
QSGJ	ST JOHN OF GOD HEALTH CARE - MIDLAND	1.008	1.0124
QSIT	SUEZ RECYCLING & RECOVERY PTY LTD	1.0151	1.0142
QSJG	ST JOHN OF GOD HEALTH CARE INCORPORATED	1.0151	1.0160
QSJM	ST JOHN OF GOD HEALTH CARE INCORPORATED	1.0056	1.0077
QSJO	ST JOHN OF GOD HEALTH CARE INCORPORATED	1.0106	1.0108
QSMH	SOUTH METROPOLITAN HEALTH SERVICE	1.0125	1.0107
QSMP	ST MARTINS PROPERTIES AUSTRALIA	1.0055	1.0066
QSMR	SOUTHERN METROPOLITAN REGIONAL COUNCIL	1.0056	1.0056

DLF Code	Description	Applied in 2021/22	To apply in 2022/23
QSPB	SPB (AUST) PTY LTD & QIC CM PTY LTD C/- HAWAIIAN PTY LTD	1.0111	1.0066
QSPO	DOWNER EDI SERVICES PTY LTD	1.0073	1.0081
QSPF	BOOKITJA PTY LTD & IBA NORTHAM SOLAR PTY LTD & NORTHAM SOLAR FARM A PTY LTD	0.9928	0.9950
QSPS	STOCKLAND PROPERTY MANAGEMENT PTY LTD	0.9905	1.0076
QSPT	DOWNER EDI SERVICES PTY LTD	1.007	1.0078
QSPW	STOCKLAND PROPERTY MANAGEMENT PTY LTD	1.0115	1.0114
QTAL	TALISON LITHIUM AUSTRALIA PTY LTD	1.0651	1.0559
QTCG	TESLA GERALDTON PTY LTD	0.9938	1.0020
QTCK	TESLA KEMERTON PTY LTD	1.0031	1.0049
QTCN	TESLA NORTHAM PTY LTD	0.9884	0.9891
QTES	TESLA CORPORATION MANAGEMENT PTY LTD	0.9975	1.0125
QTIF	LEGION ENERGY PTY LTD	1.0112	1.0143
QTMA	TRONOX PIGMENT BUNBURY LTD	1.0055	1.0055
QTMB	TRONOX MINING AUSTRALIA LIMITED		1.0645
QTMH	FOCUS OPERATIONS PTY LTD		1.0222
QVIC	VICINITY CENTRES PM PTY LTD	1.0082	1.0097
QVID	VICINITY CENTRES PM PTY LTD WARWICK GROVE	1.0183	1.0184
QVLW	VERSACOLD LOGISTICS WA	1.0321	1.0383
QVVM	V&V WALSH MEAT PROCESSORS & EXPORTERS	1.0165	1.0111
QWAC	PERTH AIRPORT PTY LTD	1.0082	1.0074
QWAD	PERTH AIRPORT PTY LTD	0.9999	1.0068
QWAN	WESTERN AREAS LTD	1.1064	1.0889
QWBE	WESBEAM PTY LTD	1.0127	1.0136
QWCB	WATER CORPORATION	1.0032	1.0090
QWCE	WATER CORPORATION	1.0063	1.0063
QWCG	WATER CORPORATION	1.0368	1.0368
QWCJ	WATER CORPORATION	1.0064	1.0066
QWCK	WATER CORPORATION	1.0077	1.0097
QWCL	WATER CORPORATION	1.0009	1.0094
QWCM	WATER CORPORATION	1.0131	1.0132
QWCO	WATER CORPORATION	1.0664	1.0392

DLF Code	Description	Applied in 2021/22	To apply in 2022/23
QWCW	WATER CORPORATION	1.0322	1.0305
QWCX	WATER CORPORATION	1.0057	1.0094
QWCZ	WATER CORPORATION	1.0071	1.0094
QWDB	WATER CORPORATION	1.0054	1.0099
QWDE	WATER CORPORATION	1.0058	1.0058
QWGS	VICINITY CENTRES PM PTY LTD VICINITY GALLERIA SITE 1	1.0151	1.0109
QWHF	WEST HILLS FARM P/L	1.0403	1.0360
QWLD	WASLEE DOWNS WINDFARM		1.2478
QWMD	FLETCHER BUILDING (AUSTRALIA) PTY LTD - LAMINEX GROUP PTY LTD	1.055	1.0434
QWMI	GOLD CORPORATION - COIN MANUFACTURING DIVISION		1.0145
QWPL	WESPINE INDUSTRIES		1.0181
QWSI	VICINITY CENTRES PM PTY LTD	1.0382	1.0319
QYTE	YT INTERNATIONAL (FORREST CENTRE)		1.0126

7. Explanation for Changes in Loss Factors

In accordance with clause 2.21(b)ii of the Market Procedure Western Power is required to provide an explanation for any changes of more than 0.025 in any transmission or distribution loss factors when compared to the previous year.

In general, loss factors increase with demand at a node and decrease with increasing generation at a node. Loss factors can also be affected by changes in network configuration.

7.1 Transmission loss factors

Table 7.1 is a list of the transmission loss factors that moved by more than 0.025 in 2022/23. Loss factors for the transmission network are calculated based on half hour data for the whole system over the whole year. Individual transmission loss factors are not only affected by the quantity of usage at a node but also the time the usage occurs and being a meshed network, they are also affected by usage at other nearby nodes. More specific reasons for the movements are difficult to determine.

Table 7.1 - Transmission Loss Factors changed by more than 0.025

TLF Code	Description	Applied in 2021/22	To apply in 2022/23	Change
TBLS	Boulder (SCE)	1.1396	1.1022	-0.0374
WSFT	South Fremantle	1.0313	1.0596	0.0283

7.2 Individual distribution loss factors

Table 7.2 is a list of the distribution loss factors that moved by more than 0.025 in 2022/23.

Table 7.2: Distribution Loss Factor changed by more than 0.025

NMI	Customer	DLF variance	Explanation
8001000287	WESTERN AREAS LTD	-0.0566	Customer CMD reduced
8001001009	BARTO GOLD MINING PTY LTD	-0.0256	Feeder peak decrease
8001000863	DOD - RAAF PEARCE	-0.0826	Customer CMD reduced
8001000428	COCKBURN CEMENT LIMITED	0.0428	Lower generation on feeder combined with significantly increased feeder peak has increased line losses substantially
8001000125	KEMERTON SILICA SAND PTY LTD	-0.0574	Feeder load change
8002016529	DENMARK COMMUNITY WINDFARM LTD	-0.1355	Network reconfiguration
8001000357	WATER CORPORATION	-0.0271	Feeder change from PNJ 527 to PNJ 517
8001000158	LANDFILL GAS & POWER PTY LTD	-0.0281	Feeder load change
8001000345	HARVEY INDUSTRIES GROUP PTY LTD	-0.1015	Network reconfiguration

Appendix A

Individual Transmission Loss Factors by NMI

A.1 Individual Transmission Loss Factors by NMI

The following NMIs are for customers connected directly to the transmission system along with the transmission loss factor code Western Power has assigned.

Table 7.3 - Transmission Loss Factors by NMI

NMI	TLF Code
8001000116	WBHK
8001000118	WKMK
8001000126	WWMG
8001000127	WWMG
8001000128	WWMG
8001000129	WCCL
8001000279	WPKS
8001000291	WAFM
8001000347	WEDG
8001000499	TMSK
8001000500	TMSK
8001000616	WKMM
8001000640	WWCL
8001000641	WWCL
8001000646	WGGV
8001000659	WKMC
8001000732	TAPA
8001000733	WAKW
8001000736	WCBP
8001000741	TBLS
8001000743	TWOW
8001000744	TWOJ
8001000764	WSUM
8001000776	WWSD
8001000954	TAPA
8001001007	WWGP
8001001211	WWWF

NMI	TLF Code
8001001212	WWWF
8001016070	WBEC
8001018020	WKEM
8001018021	WKEM
8001018932	TAPL
8001019478	TWOW
8001019484	WEMD
8001019485	WEMD
8001019487	WKDP
8001019590	TOLA
8001019784	TLWA
8001019785	TLWA
8001019790	WPLD
8001019791	WGNI
8002013337	TBLB
8002013343	WNGK
8002013364	WMPS
8002013365	WKPS
8002013366	WCPS
8002013368	WPJR
8002013369	WKPS
8002013370	WGTN
8002013371	TWKG
8002013372	WMGA
8002013375	WBGM
8002013379	WKMK
8002013796	TBLB
8002014313	WPKS
8002015326	WGNN
8002016124	WKND
8002016403	WCGW
8002016404	WCGW

NMI	TLF Code
8002016407	TWOW
8002016415	WBSI
8002016416	WBSI
8002016417	WBSI
8002016491	TKRA
8002016504	WKPS
8002016505	WKPS
8002016506	TMGS
8002016510	TMDP
8002016519	TMBA
8002016571	WNOW
8002016585	WSRD
8002112635	WBDP
8002016652	WBWF
8002016665	WYDW
8002016666	WMSF
8002016668	WWDW

Appendix B

Individual Distribution Loss Factors by NMI

B.1 Individual Distribution loss factors by NMI

The individual distribution loss factors calculated for the 2022/23 financial year are associated with the following NMIs.

Table 7.4 - Individual Distribution Loss Factors by NMI

NMI	DLF Code	Required or Optional ²
8001000107	QCSW	Optional
8001000121	QTAL	Required
8001000122	QPEB	Required
8001000125	QKEM	Required
8001000130	QCEM	Required
8001000158	QLGA	Required
8001000234	QLGD	Required
8001000259	QWDB	Optional
8001000265	QGWF	Optional
8001000269	QKUD	Required
8001000270	QMID	Optional
8001000271	QGWF	Optional
8001000274	QBGP	Optional
8001000280	QWCB	Optional
8001000282	QWCE	Optional
8001000284	QWCW	Required
8001000286	QAAL	Optional
8001000287	QFFM	Required
8001000298	QSAP	Optional
8001000325	QWMD	Required
8001000329	QBPA	Required
8001000333	QDOD	Optional
8001000345	QHVI	Required
8001000351	QBWA	Optional
8001000356	QTMH	Required

² Individual distribution loss factors have been assessed as either required or optional in accordance with section 3.2.5 of the Market Procedure. The calculation of optional distribution loss factors is at the cost of the retailer.

NMI	DLF Code	Required or Optional ²
8001000357	QWCO	Required
8001000359	QHGM	Required
8001000366	QDWL	Optional
8001000371	QLGE	Optional
8001000391	QDOF	Optional
8001000394	QSJM	Optional
8001000414	QBKR	Optional
8001000415	QBWB	Optional
8001000419	QBRR	Optional
8001000428	QCBC	Required
8001000438	QMMP	Optional
8001000449	QBWC	Optional
8001000451	QHMP	Required
8001000463	QCUT	Optional
8001000493	QARG	Required
8001000494	QDOR	Optional
8001000495	QWPL	Optional
8001000506	QSMH	Optional
8001000507	QSMH	Optional
8001000514	QMIE	Optional
8001000515	QMIE	Optional
8001000516	QMRY	Optional
8001000517	QMRY	Optional
8001000519	QSMP	Optional
8001000520	QSMP	Optional
8001000533	QWAC	Optional
8001000534	QWAC	Optional
8001000535	QVIC	Optional
8001000536	QVIC	Optional
8001000539	QFIE	Required
8001000557	QPWA	Optional
8001000558	QPWA	Optional

NMI	DLF Code	Required or Optional ²
8001000559	QPWQ	Optional
8001000560	QPWQ	Optional
8001000561	QDVC	Optional
8001000562	QDVC	Optional
8001000563	QFER	Optional
8001000564	QFER	Optional
8001000565	QMIR	Optional
8001000566	QMIR	Optional
8001000573	QPER	Optional
8001000574	QPER	Optional
8001000575	QYTE	Optional
8001000576	QYTE	Optional
8001000578	QGDI	Optional
8001000579	QERD	Optional
8001000580	QERD	Optional
8001000589	QDFM	Optional
8001000590	QDFM	Optional
8001000591	QSPO	Optional
8001000592	QSPO	Optional
8001000598	QCPC	Optional
8001000599	QCPC	Optional
8001000623	QWCK	Optional
8001000624	QWCK	Optional
8001000650	QWBE	Optional
8001000651	QWBE	Optional
8001000652	QBUR	Optional
8001000653	QBUR	Optional
8001000665	QRPH	Optional
8001000666	QRPH	Optional
8001000667	QLJS	Optional
8001000668	QLJS	Optional
8001000669	QKUD	Required

NMI	DLF Code	Required or Optional ²
8001000670	QKUD	Required
8001000673	QMEE	Optional
8001000674	QMEE	Optional
8001000675	QVID	Optional
8001000676	QVID	Optional
8001000677	QWGS	Optional
8001000678	QWGS	Optional
8001000679	QBCB	Optional
8001000680	QBCB	Optional
8001000681	QMGS	Optional
8001000682	QMGS	Optional
8001000687	QRCS	Optional
8001000688	QRCS	Optional
8001000689	QPAN	Optional
8001000690	QPAN	Optional
8001000695	QSAD	Optional
8001000696	QSAD	Optional
8001000697	QMTC	Optional
8001000698	QMTC	Optional
8001000703	QBTF	Optional
8001000704	QBTF	Optional
8001000705	QTMA	Required
8001000706	QMIC	Required
8001000707	QAWF	Required
8001000708	QAWF	Required
8001000713	QAPI	Optional
8001000714	QAPI	Optional
8001000734	QPNK	Required
8001000738	QLGC	Required
8001000745	QPAG	Required
8001000756	QGTS	Optional
8001000766	QGMC	Optional

NMI	DLF Code	Required or Optional ²
8001000777	QILR	Optional
8001000780	QCBH	Required
8001000789	QSJO	Optional
8001000790	QWCG	Required
8001000791	QBLB	Optional
8001000792	QJOE	Optional
8001000813	QBBM	Optional
8001000817	QIRB	Required
8001000824	QKBG	Required
8001000860	QSJG	Optional
8001000863	QRRR	Required
8001000875	QPMP	Optional
8001000878	QWAN	Required
8001000916	QPEA	Required
8001000927	QCSK	Optional
8001000998	QNEW	Required
8001001009	QBMA	Required
8001001046	QVLW	Optional
8001001110	QTIF	Optional
8001001128	QSJG	Optional
8001001210	QIRA	Required
8001002178	QLGE	Optional
8001002482	QDOF	Optional
8001002551	QLHT	Optional
8001002905	QAHU	Optional
8001003155	QCEN	Optional
8001003397	QGLG	Optional
8001003787	QBNB	Required
8001005378	QLPG	Optional
8001006363	QWCM	Optional
8001006380	QVIC	Optional
8001006864	QSER	Required

NMI	DLF Code	Required or Optional ²
8001009577	QBUL	Required
8001009720	QDOF	Optional
8001010090	QPTA	Optional
8001010318	QESC	Optional
8001010802	QWMI	Optional
8001010862	QDTO	Optional
8001011208	QLSP	Optional
8001011585	QIEW	Optional
8001011671	QDSX	Optional
8001011882	QGLM	Required
8001012464	QCTE	Required
8001012555	QAWT	Required
8001013234	QDXE	Optional
8001014469	QHEL	Optional
8001014755	QMIL	Optional
8001014850	QSMR	Optional
8001015658	QBBP	Required
8001017152	QWSI	Optional
8001017256	QGRA	Optional
8001017284	QGRI	Required
8001017512	QSPT	Optional
8001019433	QHLG	Required
8001019556	QMHP	Optional
8001020092	QBGM	Required
8001020102	QLPM	Optional
8001790061	QCAS	Required
8001993169	QSPW	Optional
8002008582	QLES	Optional
8002013336	QKWF	Required
8002013376	QCUR	Required
8002013377	QCUR	Required
8002013378	QCUR	Required

NMI	DLF Code	Required or Optional ²
8002016087	QCPU	Optional
8002016406	QWCZ	Required
8002016408	QMBW	Required
8002016420	QTES	Required
8002016499	QWHF	Required
8002016507	QTCG	Required
8002016508	QTCK	Required
8002016509	QTCN	Required
8002016529	QDWF	Required
8002016562	QWAD	Required
8002016563	QWAD	Required
8002016580	QHFM	Required
8002016638	QDOD	Optional
8002016648	QWCJ	Optional
8002016649	QSPP	Required
8002016650	QMPP	Required
8002016651	QTAL	Required
8002027600	QTMB	Required
8002034918	QFLM	Required
8002035499	QJAN	Optional
8002049183	QDER	Required
8002049586	QSPB	Optional
8002051925	QCUR	Required
8002055189	QSIT	Required
8002067264	QBGQ	Required
8002073940	QCPU	Optional
8002081338	QFUJ	Optional
8002085923	QEMO	Required
8002106171	QDOR	Optional
8002106501	QWCX	Required
8002109233	QWCJ	Optional
8002118572	QEPF	Optional

NMI	DLF Code	Required or Optional ²
8002119358	QVVM	Optional
8002141398	QJAN	Optional
8002148204	QANF	Required
8002166160	QCMA	Required
8002174244	QSJM	Optional
8002182945	QEAP	Optional
8002187958	QNXD	Optional
8002191360	QLMR	Required
8002206185	QBOC	Required
8002214497	QSGJ	Optional
8002221497	QFUR	Required
8002227231	QAAL	Optional
8002227767	QAAL	Required
8002247735	QKEY	Required
8002250697	QBUS	Optional
8002250698	QBUS	Optional
8002256750	QHHC	Optional
8002256973	QWCL	Optional
8002263036	QSPS	Optional
8002269579	QBFB	Required
8002286669	QFRO	Optional
8002288743	QEPH	Optional
8002293690	QPTD	Optional
8002316600	QIRN	Required
8002319360	QIRL	Required
8002320406	QDOD	Optional
8002324711	QWDE	Optional
8002339364	QNDC	Optional
8002350127	QALL	Required
8002350828	QALM	Required
8002350829	QALP	Required
8002355219	QNGF	Required

NMI	DLF Code	Required or Optional ²
8002355633	QVVM	Optional
8002359093	QBBW	Required
8002361962	QWLD	Required

Appendix C

Extinct Loss Factor Codes

C.1 Extinct Loss Factor Codes

The following loss factor codes have not been recalculated for the 2022/23 financial year.

Table 7.5 - Individual Distribution Loss Factors

DLF code	Reason for not being calculated
QASA	Not eligible for consideration
QBGC	Extinct connection
QBKS	Average value applied
QCEB	Not requested by retailer
QCMT	Not requested by retailer
QDCS	Not requested by retailer
QGMM	Not eligible for consideration
QGWL	Not eligible for consideration
QISH	Not eligible for consideration
QISP	Not requested by retailer
QISU	Not requested by retailer
QLEH	Not eligible for consideration
QMAR	Not eligible for consideration
QMRE	Not eligible for consideration
QMRS	Not eligible for consideration
QNHP	Not eligible for consideration
QPED	Extinct connection
QPLA	Not eligible for consideration
QPTB	Average value applied
QRUT	Extinct connection
QSRP	Not eligible for consideration
QTCL	Average value applied
QTCM	Not requested by retailer
QTSS	Not eligible for consideration
QWAA	Not requested by retailer
QWAS	Not requested by retailer
QWCD	Not requested by retailer
QWCI	Not requested by retailer

DLF code	Reason for not being calculated
QWCP	Not requested by retailer
QWCR	Not requested by retailer
QWCT	Not requested by retailer
QWCV	Not eligible for consideration
QWCY	Not requested by retailer
QWDK	Average value applied
QWFL	Not requested by retailer
QWLT	Not eligible for consideration