



# DISTRIBUTION LOSS FACTORS FOR THE 2023/24 FINANCIAL YEAR

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# Version control

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Version	Date	Details
1.0	1 April 2023	Initial version for 2023/24
2.0	29 June 2023	<ul style="list-style-type: none"><li>• New contact details for CitiPower, Powercor and United Energy</li><li>• Second NMI for Essential Energy DLF code - BS38 - and updated DLF value</li></ul>
3.0	19 Oct 2023	<ul style="list-style-type: none"><li>• Ergon Energy – new site specific DLF code – GA13 - Kingaroy Solar Farm NMI: 3053094056</li><li>• United Energy – new site specific DLF code – MG02 - 6408479552</li></ul>

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# Rules requirements

As specified in the National Electricity Rules, distribution loss factors (DLFs):

- Notionally describe the average electrical energy losses for electricity transmitted on a distribution network between a distribution network connection point and a transmission network connection point or virtual transmission node for the financial year in which they apply;
- Will either be a site-specific distribution loss factor, as defined in clause 3.6.3(b)(2)(i), or derived from the volume weighted average of the average electrical energy loss in the distribution network, as defined in clause 3.6.3(b)(2)(ii); and
- Are to be used in the settlement process as a notional adjustment to the electrical energy flowing at a distribution network connection point in a trading interval to determine the adjusted gross energy amount for that connection point in that trading interval, in accordance with clause 3.15.4.

Clause 3.6.3(i) requires that each year the Distribution Network Service Provider (DNSP) must determine the distribution loss factors to apply in the next financial year in accordance with clause 3.6.3(g) and provide these to AEMO for publication by 1 April. Before providing the distribution loss factors to AEMO for publication, the DNSP must obtain the approval of the Australian Energy Regulator (AER) for the distribution loss factors it has determined for the next financial year.

## Distribution loss factors for 2023/24

The Queensland DLFs for the 2023/24 financial year are tabulated in Appendix A.

The Victorian DLFs for the 2023/24 financial year are tabulated in Appendix B.

The NSW DLFs for the 2023/24 financial year are tabulated in Appendix C.

The ACT DLFs for the 2023/24 financial year are tabulated in Appendix D.

The South Australian DLFs for the 2023/24 financial year are tabulated in Appendix E.

The Tasmanian DLFs for the 2023/24 financial year are tabulated in Appendix F.

Appendix G contains a contact for each DNSP. Any questions regarding distribution connection points and DLFs should be referred to the relevant DNSP and their listed contact.

# Appendix A: Queensland distribution loss factors for 2023/24

**Table 1** Energex's average DLFs

Network level	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
110 kV connected	FSSS	1.00381	1.00363
33 kV connected	F3CL	1.01017	1.00978
11 kV bus connected	F1ZH	1.01431	1.01290
11 kV line connected	F1CH	1.02198	1.01955
LV bus connected	F1CL	1.04443	1.04319
LV line connected	FLCL	1.06110	1.05905

**Table 2** Energex's DLFs for individually calculated customers/generators

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
3120081063	FALK	1.00807	1.00738
QB13708848	FBEP	1.01065	1.00900
QB13786415	FBOC	1.01013	1.00968
QB07156049	FBAC	1.01730	1.01299
3116941403	FAPB	1.01238	1.01234
3120007259	FLMD	1.00910	1.00852
QB03674681	FCAL	1.00839	1.00971
QB03187888	FQCL	1.03624	1.04478
3120032960	FCLT	1.00561	1.00626
3120033076	FCST	1.00352	1.00355
QB00011835	FCRL	1.05066	1.04116
3120167431	FEAN	1.00556	1.00688
3120167432	FEAS	1.00569	1.00629
3117267111	FTD	1.00761	1.00630
3120001083	FRAF	1.02123	1.02030
QB03017958	FQUE	1.01337	1.00787
3117524016	FGBI	1.00355	1.00323
3120048897	FGHP	1.00972	1.00907
QB08899177	FHYS	1.05573	1.06559

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
QB03675327	FICT	1.00653	1.00864
QB00702307	FSFT	1.00978	1.00998
QB08144664	FACI	1.08657	1.10079
3120085619	FLWH	1.00622	1.00639
3120085617	FLWT	1.00075	1.00070
3117238161	FLGP	1.01023	1.01061
3120081891	FNBW	1.12721	1.13778
QB03674177	FQG	1.01688	1.01336
QB09709916	FQBH	1.00026	1.00027
QB09750568	FQB	1.00142	1.00787
QB05850851	FQBW	1.00161	1.00198
QB07417373	FQCB	1.01001	1.00516
QB03187390	FQC	1.00009	1.00011
QB07480580	FQL	1.00065	1.00077
3120253094	FQP	1.00604	1.00614
QB12757888	FQR	1.00036	1.00046
3120090363	FQRS	1.00019	1.00013
3120253056	FQRW	1.00558	1.00596
QB08485399	FQT	1.00793	1.00661
3117476607	FQW	1.01249	1.01126
QB03675025	FPAH	1.01135	1.01718
3120134803	FQCH	1.00687	1.00746
QB03674151	FRBH	1.00761	1.00810
QB08051828	FHDU	1.01257	1.01357
QB06480217	FHDL	1.00147	1.00625
QB08045917	FMRP	1.06018	1.06384
QB00703630	FBCC	1.01130	1.01223
QMRGW00156	FSWP	1.00782	1.00749
QB00547778	FSBB	1.03766	1.04729
QB07047011	FSTC	1.01017	1.01148
3116852575	FUQ1	1.00462	1.00465
3120301348	FUQC	1.01675	1.01595

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
QB12021814	FVP	1.00829	1.00970
QB09455507	FSC	1.00610	1.00622
QB03188523	FWGC	1.00507	1.00515
3116578384	FEIB	1.02033	1.02847
QB14097800	FRPT	1.00086	1.00191
3120309278	FSHG	1.13587	1.13587
3117546923	FTTB	1.04860	1.04542
3120301290	FVSF	1.05470	1.08118
3114538695	FWHG	1.08010	1.08010
3120707488	FQNG	1.00595	1.00552
3120297461	FQML	1.00001	1.00001
3120781944	FNPD	1.01835	1.02655

**Table 3 Ergon Energy's tariff class DLFs**

NETWORK LEVEL	DLF applied in 2022/23			DLF to apply in 2023/24		
	East	West	MI	East	West	MI
<b>Sub-Trans. Bus</b>	1.005	1.021	1.002	1.005	1.027	1.000
<b>Sub-Trans. Line</b>	1.015	1.056	1.003	1.015	1.071	1.001
<b>22/11 kV Bus</b>	1.018	1.064	1.008	1.016	1.071	1.006
<b>22/11 kV Line</b>	1.036	1.106	1.023	1.033	1.108	1.023
<b>LV Bus</b>	1.068	1.156	1.046	1.061	1.138	1.043
<b>LV Line</b>	1.083	1.224	1.118	1.094	1.223	1.103



NETWORK LEVEL	DLF codes		
	East	West	MI
Sub-Trans. Bus	GESB	GWSB	GMSB
Sub-Trans. Line	GESL	GWSL	GMSL
22/11 kV Bus	GEHB	GWHB	GMHB
22/11 kV Line	GEHL	GWHL	GMHL
LV Bus	GELB	GWLB	GMLB
LV Line	GELL	GWLL	GMLL

**Table 4 Ergon Energy's site-specific DLFs**

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
QAAALV0001	GBSB	1.000	1.000
QAAABW0000	GBSB	1.000	1.000
QAAABW0002	GS02	1.008	1.006
3051526859	GBSB	1.000	1.000
3051526841	GBSB	1.000	1.000
3051526883	GBSB	1.000	1.000
3051526891	GBSB	1.000	1.000
QDDD003345	GS77	1.001	1.001
QCCC000004	GS19	1.078	-
QCCC000002	GS18	1.004	1.011
QAAABW0001	GS51	1.007	1.004
QDDD000003	GS21	1.001	1.001
QAAALV0000	GBSB	1.000	1.000
QGGG000394	GS40	1.079	1.073
QWAGW00066	GS65	1.003	1.004
QAAABX0014	GS69	1.006	1.006
QEMS000001	GS64	1.006	1.009
QAAALV0002	GBSB	1.000	1.000
QCCC000003	GBSB	1.000	1.000
QCCC000012	GS85	1.081	1.074
QAAALV0004	GBSB	1.000	1.000

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
QAAABX0012	GS70	1.004	1.000
3051111985	GS06	1.006	1.005
QAAARG0000	GS14	1.005	1.006
QAAAMR0001	GS13	1.007	1.004
QAAABW0041	GS62	1.013	1.011
QAAALX0000	GS12	0.995	1.005
3051844184	GS84	1.000	1.000
3051467399	GS86	1.002	1.002
QCCC000020	GS82	1.010	1.008
QDDD000028	GS87	1.006	1.005
3051745071	GS22	1.005	1.004
3051492237	GS89	1.000	1.000
3051988348	GS90	1.004	1.003
QDDD003342	GS88	1.002	1.003
QCCC000018	GS83	1.002	1.004
3052303675	GBSB	1.000	1.000
3052261476	GBSB	1.000	1.000
QGGG000000	GA07	1.001	1.001
QAAAMR0000	GBSB	1.000	1.000
QDDD000005	GBSB	1.000	1.000
3053186668	GS19	-	1.037

**Table 5 Ergon Energy's embedded generation DLFs**

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
QEEE000547	GS26	0.993	1.002
QEEE000026	GS55	0.984	0.985
QCQPW00076	GS49	0.940	0.930
QFFF000010	GS29	0.992	0.986
QFFF00000Z	GS30	0.992	0.986
QCCC001041	GS67	0.978	0.982
QDDD003206	GS71	0.996	1.002
3052323901	GBSB	1.000	1.000

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
QCCC001036	GS56	0.974	0.974
QMKYW00147	GBSB	1.000	
QGGG000418	GS74	1.002	1.004
3051393689	GS76	0.964	0.978
QEEE000050	GS79	0.975	0.974
3051745577	GS80	0.998	0.999
3051532166	GS81	0.995	0.996
3053000490	GS92	0.999	0.998
3052368025	GS96	0.868	0.911
3053005598	GS93	0.968	0.975
7105006000			
7105006001			
3052060420	GS95	0.999	0.999
3053006353	GS91	0.927	0.936
3053007186	GS98	0.915	0.959
3053010873	GA01	0.947	0.956
3053012323	GA04	0.983	0.988
3053012322	GA05	0.983	0.984
3053008220	GA03	0.904	0.909
3053007670	GA06	0.925	0.933
3053008146	GS99	0.972	0.971
3053011565	GA02	1.008	0.963
3053012527	GS97	0.994	1.000
3053008174	GA11	0.967	0.958
3053094725	GA09	0.987	0.992
3053129419	GA10	0.987	0.993
3053138792	GA12	-	0.972
3053094056	GA13	-	0.994

**Table 6 Not in Use**

**Table 7 Not in Use**

**Table 8 Not in Use**

# Appendix B: Victoria distribution loss factors for 2023/24

**Table 9 Approved network average DLFs**

Distributors	Distribution loss factors					
	Type	DLF A	DLF B	DLF C	DLF D	DLF E
Jemena	Short Sub-transmission	1.0046	1.0088	1.0172	1.0385	1.0447
	Long Sub-transmission	1.0127	1.0169	1.0254	1.0466	1.0528
CitiPower	Short sub-transmission	1.0041	1.0097	1.0121	1.0368	1.0450
Powercor	Short sub-transmission	1.0030	1.0077	1.0299	1.0521	1.0596
	Long sub-transmission	1.0366	1.0413	1.0635	1.0857	1.0932
AusNet Services	Short sub-transmission	1.0016	1.0091	1.0316	1.0564	1.0641
	Long sub-transmission	1.0253	1.0328	1.0553	1.0801	1.0879
United Energy	Short sub-transmission	1.0038	1.0086	1.0143	1.0349	1.0483
	Long sub-transmission	1.0175	1.0224	1.0281	1.0486	1.0621

Distributors	Distribution loss factor codes					
	Type	DLF A	DLF B	DLF C	DLF D	DLF E
Jemena	Short sub-transmission	CSAS	CHBS	CHCS	CLDS	CLES
	Long sub-transmission	CSAL	CHBL	CHCL	CLDL	CLEL
CitiPower	Short sub-transmission	ESTA	EZSB	EHVC	EDSD	ELVE
Powercor	Short sub-transmission	KAS	KBS	KCS	KDS	KES
	Long sub-transmission	KAL	KBL	KCL	KDL	KEL
AusNet Services	Short sub-transmission	LASS	LBSS	LCHS	LDLS	LELS
	Long sub-transmission	LASL	LBSL	LCHL	LDLL	LELL
United Energy	Short sub-transmission	MSAS	MHBS	MHCS	MLDS	MLES
	Long sub-transmission	MSAL	MHBL	MHCL	MLDL	MLEL

**Notes:**

- DLF- A is the distribution loss factor to be applied to a second-tier customer or market customer connected to a sub-transmission line at 66 kV or 22 kV.
- DLF- B is the distribution loss factor to be applied to a second-tier customer or market customer connected to the lower voltage side of a zone substation at 22 kV, 11 kV or 6.6 kV.
- DLF- C is the distribution loss factor to be applied to a second-tier customer or market customer connected to a distribution line from a zone substation at voltage of 22 kV, 11 kV or 6.6 kV.
- DLF- D is the distribution loss factor to be applied to a second-tier customer or market customer connected to the lower voltage terminals of a distribution transformer at 240/415 V.
- DLF- E is the distribution loss factor to be applied to a second-tier customer or market customer connected to a low voltage line at 240/415 V.

- Separate DLFs are also calculated for each DLF category A to E, depending on whether the length of the sub-transmission line supplying the customer upstream of the customer's connection point is 'short' or 'long'.
- A short sub-transmission line is defined as:
  - A radial sub-transmission line where the route length of the line is less than 20 km, or
  - A sub-transmission line in a loop where the total route length of all lines in the loop is less than 40 km.
- All other sub-transmission lines are defined as 'long sub-transmission'.

**Table 10 Approved site-specific DLFs for large load customers**

Distributor	Customer NMI	DLF codes	DLF to apply in 2023/24
<b>Jemena</b>	VDDD000495	CVPC	1.0107
	6001280255	CAPA	1.0017
	VDDD000213	CSPL	1.0094
	VDDD000134	CAGP	1.0111
	6001001784	CAHH	1.0140
<b>CitiPower</b>	VAAA000673	ESS4	1.0134
<b>Powercor</b>	VCCCAF0002	KAF1	1.0005
	VCCCAF0001	KAF	1.0070
	VCCCGJ0001	KGJ	1.0025
	VCCCRD0007	KRD	1.0097
	6203803617	KBN	1.0084
	VCCDA0025	KDA1	1.0051
	VCCCAD0001	KAD	1.0094
	VCCCSE0004	KSE	1.0578
	VCCBC0025	KBC	1.0345
	VCCCTE0002	KTE	1.0505
	VCCCSB0012	KSB	KCL
	VCCCLD0024	KLD	KCS
	6203824333	KAT	1.0109
	6203913305	KAO	1.0020
	6203911906	KAO1	1.0009
<b>AusNet Services</b>	VBBB000073	LL02	1.0025
	VBBB000161	LL05	1.0045
	VBBB000058	LL01	1.0257
	VBBB000287	LL06	N/A
<b>United Energy</b>	VEEE0PD8AD	MC05	1.0085
	VEEE0TF39Q	MC06	1.0100
	VEEE0BG4Q3	MC02	1.0116
	VEEE0NDNEX	MC04	1.0193
	6407799056	MC08	1.0145
	VEEE08KH3V	MC01	1.0075

Distributor	Customer NMI	DLF codes	DLF to apply in 2023/24
	VEEE0C8AW1	MC03	1.0046
	VEEE0ATYTH	MC07	1.0146

**Table 11 Approved DLFs for large embedded generators**

Distributor	NMI	DLF codes	DLF to apply in 2023/24
<b>Jemena</b>	6001264751	CSOG	0.9800
<b>Powercor</b>	6203661632	KCH	0.9578
	6203008782	KCF	1.0157
	6203690629	KYW	1.0157
	6203811032	KOH	0.8906
	6203829699	KML	0.9077
	6203879058	KCB	0.9063
	6203921151	KKW	0.9112
	6203921132	KYS	0.9491
	6203934859	KMG	0.9822
	6203934861	KMG	0.9822
	6203935735	KGS	0.9782
	6203937431	KBP	0.9800
	6203949352		
	6203937741	KKS	1.0296
	6203946314	KWS	0.9984
	6203964878	KYD	0.9868
	6203962945	KNS	0.9723
	6203962946		
	6203960144	KYP	0.9998
	6203990753	KCO	0.9811
6203990754			
<b>AusNet Services</b>	6305656070	LG02	1.0198
	6305010110	LG03	1.0098
	6305651897	LG03	1.0098
	6305721689	LG07	1.0585

Distributor	NMI	DLF codes	DLF to apply in 2023/24
	VBBB002342	LG04	1.0672
	VMBTWZCLPS	LG05	0.9849
	VTTSWZRUBX	LG06	0.9789
	6305908426	LG08	1.0163
	6305940506	LG09	1.0134
	6305941257	LG09	1.0134
	6306018714	LG10	1.0083
	6306034976	LG11	0.9995
	6306042131	LG12	0.9999
United Energy	6407649172	MG01	1.0084
	6408479552	MG02	0.9938

Table 12 Not in use

## Appendix C: New South Wales distribution loss factors for 2023/24

Table 13 Endeavour Energy's DLFs for tariff classes

Tariff class	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
132 kV Network	HNVL	1.0025	1.0025
Transmission substation	HSTS	1.0069	1.0072
Subtransmission network	HSTL	1.0114	1.0116
Zone substation	HHVT	1.0116	1.0118
High voltage distribution network	HHVL	1.0162	1.0162
Distribution substation	HLVT	1.0493	1.0502
Low voltage network	HLVL	1.0680	1.0691

Table 14 Endeavour Energy's DLFs for embedded generators

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
NEEE000748	HTX2	1.0619	0.9937
NEEE000749	HTX3	1.0285	1.0236
NEEE000750	HTX4	1.0250	1.0122



NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
4310951391	HNC1	1.0018	0.9994
4311422627	HNC2	1.0025	0.9926

**Table 15 Endeavour Energy's DLFs for CRNP Customers**

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
4310857952	HTYA	1.0170	1.0167
4310866743	HTXA	1.0086	1.0082
4310942441	HTXB	1.0040	1.0062
4311159207	HTYB	1.0055	1.0055
4311168207	HTYC	1.0040	1.0044
4311204547 4311204594 4311339343 4311339344 4311339345 4311340412	HHY8	1.0082	1.0086
4311063041 4311063042	HHY6	1.0162	1.0098
4311275493	HTV8	1.0096	1.0109
4311322991 4311322992	HTX7	1.0062	1.0068
4311371172 4311371951	HTV3	1.0000	1.0000
4311028276 4311028297 4311246109 4311246110	HHY3	1.0146	1.0137
4311061116 4311061119	HTY3	1.0064	1.0062
4311206443 4311173727	HTX9	1.0040	1.0040
4311251697 4311297310	HTV7	1.0011	1.0007
4311265997 4311265950	HTYE	1.0055	1.0116
4311271253 4311271260	HTV6	1.0010	1.0013
NEEE000003	HTX6	1.0107	1.0102
NEEE000005	HHY1	1.0135	1.0130

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
NEEE000006	HTY5	1.0390	1.0364
NEEE000014	HTY7	1.0079	1.0116
NEEE000046	HTV2	1.0036	1.0036
NEEE000049	HHV1	1.0155	1.0160
NEEE000066	HTY4	1.0279	1.0312
NEEE000506	HHY4	1.0144	1.0092
NEEE000758 NEEE000759	HIC1	1.0134	1.0148
NEEE000760 NEEE000762 NEEE000764 NEEE000766 NEEE000768	HTV4	1.0181	1.0183
NEEE000881	HTY9	1.0040	1.0076
NEEE001591	HTX5	1.0071	1.0110
NEEE001656	HTV1	1.0036	1.0036
NEEE001892	HTX1	1.0130	1.0149
NEEE004639	HHY7	1.0107	1.0108
NEEE005219	HTX8	1.0072	1.0077
NEEEW00001 NEEEW00002	HTF1	1.0029	1.0032
NEEEW04150 NEEEW04151 NEEEW04152 NEEEW04153 NEEEW04154	HTF2	1.0072	1.0076
NEEEW04511 NEEEW04512 NEEEW04513 NEEEW04514	HTF3	1.0042	1.0044

**Table 16 Essential Energy's site-specific DLFs**

	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
4001193201	BS02	0.9334	0.9358

	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
4001185251	BS03	0.9986	0.9957
4001161869	BS32	1.0567	1.0534
NAAA00AC11	BS33	1.0200	1.0295
4001224331	BS35	1.0130	1.0138
NTTTW0RU20	BS37	1.0000	1.0000
NAAANRAB50	BS38	1.0118	1.0096
4001302832	BS38	1.0118	1.0096
NAAA00AC21	BS39	1.0251	1.0147
NAAA00AB64	BS40	1.0239	1.0345
4001151659	BS43	0.9933	0.9934
4001231299	BS43	0.9933	0.9934
NFFFNRKU39	BS44	0.9993	0.9904
4001175717	BS45	1.0264	1.0157
4508034707	BS46	1.0318	N/A
4001210762	BS48	0.9781	0.9762
4001231908	BS50	0.9751	0.9731
NAAANRAA02	BS51	1.0063	N/A
4001223403	BS52	1.0232	N/A
4001242173	BS53	1.0075	1.0061
4001251721	BS54	0.9772	0.9769
4001246761	BS55	0.9832	0.9830
4001227465	BS56	1.0130	1.0138
4001258249	BS57	0.9217	0.9328
4001241798	BS58	0.9815	0.9853
4001202550	BS60	1.0112	1.0112
4001297032	BS61	0.9841	N/A
4001297033	BS62	0.9828	0.9868
4001298855	BS63	0.9983	0.9979
4001298870	BS63	0.9983	0.9979
NTTTW0W110	UNIT	1.0000	1.0000
4001301126	BS64	0.9294	0.9366

	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
4001322845	BS65	0.9768	0.9809
4001327507	BS66	0.9853	0.9793
NDDD00GA13	BS67	1.0181	1.0177
4001292657	BS68	1.0289	1.0304
4001213658	BS68	1.0289	1.0304
4001221780	BS68	1.0289	1.0304
4001328303	BS69	0.9801	0.9784
4001330727	BS70	0.9263	0.9107
4001319728	BS71	0.9878	0.9792
4001258283	BS72	1.0517	1.0537
4001337256	BS73	0.9544	0.9403
4001345103	BS74	0.9291	0.9243

**Table 17 Essential Energy's general DLFs**

Class	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
<b>Low voltage</b>	BL0A, DLDL, DLD2, DLD6, DLGB, DLGD	1.0609	1.0588
<b>LV &amp; metered at CE substation</b>	BL5A	1.0485	1.0455
<b>High voltage line</b>	BH0A	1.0290	1.0253
<b>High voltage substation</b>	BH5A	1.0159	1.0135
<b>Sub-transmission</b>	BS0A	1.0104	1.0101

**Table 18 Ausgrid's DLFs for tariff classes**

Tariff code	Tariff name	Location	DLF applied in 2022/23	DLF to apply in 2023/24	DLF code
EA010	Residential Non ToU (Closed)	LV system	1.0517	1.0505	JLDL
EA011	Residential Transitional ToU (Closed)	LV system	1.0517	1.0505	JLDL
EA025	Residential ToU	LV system	1.0489	1.0482	JL40
EA111	Residential demand (introductory)	LV system	1.0489	1.0482	JL40

Tariff code	Tariff name	Location	DLF applied in 2022/23	DLF to apply in 2023/24	DLF code
EA115	Residential TOU demand	LV system	1.0489	1.0482	JL40
EA116	Residential demand	LV system	1.0489	1.0482	JL40
EA030	Controlled Load 1	LV system	1.0517	1.0505	JL1L
EA040	Controlled Load 2	LV system	1.0517	1.0505	JL2L
EA050	Small Business Non ToU (Closed)	LV system	1.0455	1.0441	JLSL
EA051	Small Business Transitional ToU (Closed)	LV system	1.0455	1.0441	JLSL
EA225	Small Business ToU	LV system	1.0455	1.0441	JLSL
EA251	Small Business demand (introductory)	LV system	1.0455	1.0441	JLSL
EA255	Small Business TOU demand	LV system	1.0455	1.0441	JLSL
EA256	Small Business demand	LV system	1.0455	1.0441	JLSL
EA302	LV 40-160 MWh (System)	LV system	1.0455	1.0441	JLSL
EA305	LV 160-750 MWh (System)	LV system	1.0455	1.0441	JLSL
EA310	LV >750 MWh (System)	LV system	1.0455	1.0441	JLSL
EA316	Transitional 40-160 MWh (Closed)	LV system	1.0455	1.0441	JLSL
EA317	Transitional 160-750 MWh (Closed)	LV system	1.0455	1.0441	JLSL
EA325	LV Connection (Standby Tariff - closed)	LV system	1.0455	1.0441	JLSL
EA360	HV Connection (Standby Tariff - closed)	HV system	1.0149	1.0137	JHSH
EA370	HV Connection (System)	HV system	1.0149	1.0137	JHSH
EA380	HV Connection (Substation)	HV substation	1.0111	1.0099	JHBH
EA390	ST Connection	ST system	1.0058	1.0049	JSSS

Tariff code	Tariff name	Location	DLF applied in 2022/23	DLF to apply in 2023/24	DLF code
EA391	ST Connection (Substation)	ST substation	1.0058	1.0049	JSBS
EA401	Public Lighting	LV system	1.0562	1.0543	JLSP
EA402	Constant Unmetered	LV system	1.0462	1.0446	JLSU
EA403	Energy Light	LV system	1.0562	1.0543	JLSP
EA501	Transmission Connection	Transmission	1.0000	1.0000	JTRN
EA957	SAPS	LV system	N/A	1.0157	JSAP
EA958	Super off-peak	LV system	N/A	1.0482	JL40
EA959	Two-way residential (load)	LV system	1.0489	1.0482	JL40
EA960	Two-way residential (generation)	LV system	1.0147	1.0149	GENT
EA962	Community battery (load)	LV system	1.0455	1.0441	JLSL
EA963	Community battery (generation)	LV system	1.0147	1.0149	GENT
EA964	Flexible load business	LV system	N/A	1.0441	JLSL
EA965	Flexible load residential	LV system	N/A	1.0482	JL40

**Table 19 Ausgrid's DLFs for Individually Calculated Tariff customers**

NMI	Location	DLF applied in 2022/23	DLF to apply in 2023/24	DLF code
4103736926	33 kV system	1.0037	1.0046	J550
4103736927	33 kV system	1.0037	1.0046	J550
NCCCNREA06	33/11 kV substations	1.0123	1.0143	J660
4103748279	132 kV system	1.0015	1.0000	J885
4103507254	33 kV system	1.0034	1.0024	JGLB
4103507266	33 kV system	1.0034	1.0024	JGLB
4103841748	33 kV system	1.0034	1.0024	JGLB
NCCCZ01251	33 kV system	1.0105	1.0130	J881

NMI	Location	DLF applied in 2022/23	DLF to apply in 2023/24	DLF code
4102016227	33 kV transmission	1.0119	1.0091	JTOL
4102016252	33 kV transmission	1.0119	1.0091	JTOL
4103770084	132 kV system	1.0011	1.0011	J887
4103770085	132 kV system	1.0011	1.0011	J886
NCCCZ01381	33 kV transmission	1.0038	1.0000	J800
4103769153	33 kV system	1.0082	1.0111	J700
4103769154	33 kV system	1.0082	1.0111	J700
NCCCNRZ1BK	132/33 kV substations	1.0019	1.0027	J635
4103686298	66 kV system	1.0058	1.0049	JSSS
NCCCX00745	33 kV transmission	1.0091	1.0064	J640
NCCCX00746	33 kV transmission	1.0091	1.0064	J640
NCCCX00747	33 kV transmission	1.0091	1.0064	J640
4103507347	132/33 kV substations	1.0033	1.0116	J601
NCCCNRZ1BM	132 kV system	1.0048	1.0031	J580
NCCCX00332	132/66 kV substations	1.0049	1.0045	J590
NCCCNRZZB0	132/33 kV substations	1.0072	1.0049	J610
NCCCX00750	33 kV transmission	1.0051	1.0134	J620
4104004610	33 kV transmission	1.0051	1.0134	J620
4104004602	33 kV transmission	1.0051	1.0134	J620
4104060061	33 kV transmission	1.0051	1.0134	J620
NCCC007211	33 kV system	1.0051	1.0167	J605
4104053413	33 kV transmission	1.0086	1.0025	J655
4104036421	132/33 kV substations	1.0067	1.0061	J630
4104036424	132/33 kV substations	1.0067	1.0061	J630
4104036422	132/33 kV substations	1.0067	1.0061	J630
NCCCX00748	132/33 kV substations	1.0126	1.0049	J615
NCCCX00749	132/33 kV substations	1.0126	1.0049	J615
NCCCNRZ1BT	132/33 kV substations	1.0057	1.0049	J645
NCCCX00293	132/33 kV substations	1.0033	1.0038	J600
NCCCX00294	132/33 kV substations	1.0033	1.0038	J600
NCCC002902	66 kV system	1.0058	1.0070	JK23

NMI	Location	DLF applied in 2022/23	DLF to apply in 2023/24	DLF code
NCCC002221	66 kV system	1.0124	1.0134	J500
NCCCZ01275	132/33 kV substations	1.0081	1.0069	J560
NCCCNREEK2	33 kV system	1.0103	1.0061	J541
4102030738	33 kV system	1.0072	1.0082	J543
4103628537	33 kV system	1.0072	1.0082	J543
NCCCNRCS90	HV system	1.0175	N/A	J670
NCCCNRZ1XJ	66 kV system	1.0145	1.0180	J680
NCCCNREA14	132/11 kV substations	1.0154	1.0124	J770
4103798233	66 kV system	1.0120	1.0142	J771
NCCCNREB57	33/11 kV substations	1.0114	1.0039	J772
4103786533	33/11 kV substations	1.0114	1.0039	J772
NCCCNREB24	132/11 kV substations	1.0148	1.0228	J773
4103598315	132/66 kV substations	1.0128	1.0135	J774
NCCCNREE73	33 kV system	1.0226	1.0142	J775
4103974109	132/66 kV substations	1.0078	1.0090	J777
4103632682	33 kV system	1.0051	1.0079	J778
4103529698	66 kV system	1.0148	1.0176	J779
NCCCNRENB7	132/66 kV substations	1.0099	1.0201	J780
4103768912	132/33 kV substations	1.0075	1.0099	J781
4103768913	132/33 kV substations	1.0075	1.0099	J782
4103831536	132/11 kV substations	1.0098	1.0000	J783
4103828337	66 kV system	1.0131	1.0175	J784
4103788882	66 kV system	1.0090	1.0085	J785
NCCCNREA08	66 kV system	1.0107	1.0131	J786
4103981057	33 kV system	1.0034	1.0040	J787
4103526370	66 kV system	1.0168	1.0180	J788
NCCCZ01111	HV system	1.0074	1.0088	J789
NCCCNREB14	HV system	1.0192	1.0215	J790
4103679814	33 kV system	1.0106	1.0111	J791
4103822730	132/11 kV substations	1.0147	1.0133	J792
4103822729	132/11 kV substations	1.0147	1.0133	J792



NMI	Location	DLF applied in 2022/23	DLF to apply in 2023/24	DLF code
4103789328	132/11 kV substations	1.0214	1.0165	J793
4103801361	132/11 kV substations	1.0214	1.0165	J793
4104077512	33 kV system	1.0044	1.0052	J796
4104077513	33 kV system	1.0044	1.0052	J796
4104014840	132 kV system	1.0029	1.0067	J794
4104057286	132 kV system	1.0029	1.0067	J794
4104014582	HV system	1.0147	N/A	J792
4104040999	HV system	1.0147	N/A	J792
4104034186	33 kV system	1.0057	1.0024	J795
4104004214	66 kV system	N/A	1.0059	J797
4104050112	132/33 kV substations	N/A	1.0049	J615
4104076823	33 kV system	N/A	1.0052	J798
4104076824	33 kV system	N/A	1.0052	J798
4103947579	33/11 kV substations	N/A	1.0142	J799
4104097118	33/11 kV substations	N/A	1.0142	J799

**Table 20 Ausgrid's DLF's for embedded generators**

NMI	Location	DLF applied in 2022/23	DLF to apply in 2023/24	DLF code
NCCCNRME11	33 kV system	0.9978	0.9991	JGEN
NCCCNRME10	33 kV system	0.9978	0.9991	JGEN
4104065006	33 kV system	0.9472	0.9718	JGN1
4103716931	33 kV system	0.9969	0.9877	JGN2

**Table 21 Not in Use**

## Appendix D: Australian Capital Territory distribution loss factors for 2023/24

**Table 22** Evoenergy's distribution DLFs

Connection	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
High voltage	AH00	1.0178	1.0187
Low voltage	AL00	1.0369	1.0325

**Table 23** Evoenergy's site-specific DLFs

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
NGGG000294	AS01	1.0129	1.0140
NGGG000269	AS02	1.0178	1.0187
7001197618	AS04	0.9997	0.9980
7001317224	AS06	0.9985	0.9964
7001319704	AS07	0.9995	0.9968

## Appendix E: South Australia distribution loss factors for 2023/24

**Table 24 SA Power Network’s distribution connection point class DLFs**

Class	Tariff	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
<b>Low voltage small customers</b>	Unmetered	NLV2	1.1070	1.1109
	Residential	NLV2	1.1070	1.1109
	Controlled Load (HW)	NLV2	1.1070	1.1109
	Small LV Business	NLV2	1.1070	1.1109
<b>LV large business</b>	Large LV Business	NLV1	1.0903	1.0897
<b>HV large business</b>	Large HV Business	NHV1	1.0449	1.0454
<b>Major business</b>	Substation Non Locational	NZS1	1.0243	1.0247
	Sub-transmission Non Locational	NST1	1.0149	1.0128

**Table 25 SA Power Network’s site-specific DLFs**

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
2001000378	NBA1	1.0010	1.0010
2001000608	NAC2	1.0080	1.0080
2002112609	NKC4	1.0100	1.0100
2002213788	NHN1	1.0020	1.0020
2002257162	NRT1	1.0050	1.0050
2002276228	NRA1	1.0100	1.0100
2002280161	NDS5	1.0110	1.0110
SAAAAAA018	NPS1	1.0000	1.0000
SAAAAAA021	NPS3	1.0070	1.0070
SAAAAAA024	NAB1	1.0100	1.0100
SAAAAAA035	NGT1	1.0070	N/A
SAAAAAA084	NOS1	1.0010	1.0010
SAAAAAA085	NHA1	0.9730	0.9730
SAAAAAA438	NIF1	1.0100	1.0100
SAAAAAB557	NOS2	1.0000	1.0000

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
SAAAAAE766	NB01	0.9930	0.9930

**Table 26 SA Power Network's embedded generator DLFs**

NMI	DLF code	DLF applied in 2022/23	DLF to apply in 2023/24
2001000639	NCL1	1.0040	1.0040
2001000640	NCL1	1.0040	1.0040
2001000734	NSHW	0.9950	0.9950
2002108658	NCDW	0.9720	0.9720
2002108660	NAS1	0.9890	0.9890
2002108661	NAS2	0.9890	0.9890
2002220776	NSP1	1.0040	1.0040
2002221495	NSP2	1.0040	1.0040
2002355844	NDS8	1.0110	1.0110
2002355850	NB09	0.9930	0.9930
2002356073	NHA9	0.9730	0.9730
2002560938	BP01	0.9960	0.9960

## Appendix F: Tasmania distribution loss factors for 2023/24

The AER has approved the following distribution loss factors for Tasmania for the 2023/24 financial year.

TasNetworks has grouped transmission connection sites into seven regions. The DLFs are grouped into each of these seven regions as follows:

Hobart (Table 28), Tamar (Table 29), East Coast (Table 30), North West (Table 31), Derwent (Table 32), Southern (Table 33), and West Coast (Table 34).

**Table 27 TasNetworks' Hobart region DLFs**

Distribution network Level	Region	DLF code	Cumulative DLF
Subtransmission network	Hobart	PHST	1.0059
Zone substation	Hobart	PHZN	1.0099
HV distribution network	Hobart	PHHV	1.0142
Distribution substation	Hobart	PHDS	1.0311
LV distribution network	Hobart	PHLV	1.0502

**Table 28 TasNetworks' Tamar region (incorporating Launceston) DLFs**

Distribution network Level	Region	DLF code	Cumulative DLF
Subtransmission network	Tamar	PTST	1.0059
Zone substation	Tamar	PTZN	1.0099
HV distribution network	Tamar	PTHV	1.0142
Distribution substation	Tamar	PTDS	1.0311
LV distribution network	Tamar	PTLV	1.0502

**Table 29 TasNetworks' East Coast region DLFs**

Distribution network Level	Region	DLF code	Cumulative DLF
Subtransmission network	East Coast	PEST	1.0059
Zone substation	East Coast	PEZN	1.0099
HV distribution network	East Coast	PEHV	1.0142
Distribution substation	East Coast	PEDS	1.0311
LV distribution network	East Coast	PELV	1.0502

**Table 30 TasNetworks' North West region DLFs**

Distribution network Level	Region	DLF code	Cumulative DLF
Subtransmission network	North West	PNST	1.0059
Zone substation	North West	PNZN	1.0099
HV distribution network	North West	PNHV	1.0142
Distribution substation	North West	PNDS	1.0311
LV distribution network	North West	PNLV	1.0502

**Table 31 TasNetworks' Derwent region DLFs**

Distribution network Level	Region	DLF code	Cumulative DLF
Subtransmission network	Derwent	PDST	1.0059
Zone substation	Derwent	PDZN	1.0099
HV distribution network	Derwent	PDHV	1.0142
Distribution substation	Derwent	PDDS	1.0311
LV distribution network	Derwent	PDLV	1.0502

**Table 32 TasNetworks' Southern region DLFs**

Distribution network Level	Region	DLF code	Cumulative DLF
Subtransmission network	Southern	PSST	1.0059
Zone substation	Southern	PSZN	1.0099
HV distribution network	Southern	PSHV	1.0142
Distribution substation	Southern	PSDS	1.0311
LV distribution network	Southern	PSLV	1.0502

**Table 33 TasNetworks' West Coast region DLFs**

Distribution network Level	Region	DLF code	Cumulative DLF
Subtransmission network	West Coast	PWST	1.0059
Zone substation	West Coast	PWZN	1.0099
HV distribution network	West Coast	PWHV	1.0142
Distribution substation	West Coast	PWDS	1.0311
LV distribution network	West Coast	PWLV	1.0502

**Table 34 TasNetworks' site-specific DLFs**

NMI	Region	DLF code	DLF
8000003578	West Coast	PBSM	1.0164
8000003585	North West	PACH	1.0000

**Table 35 TasNetworks' new statewide DLFs**

These new codes are required for TasNetworks to implement the changes outlined in its methodology.

Distribution Network Level	New DLF code (statewide)	Existing DLF codes (regional)	DLF to apply in 2023/2024
Subtransmission network	PAST	PHST PTST PEST PDST PSST PWST PNST	1.0059
Zone substation	PAZN	PHZN PTZN PEZN PDZN PSZN PWZN PNZN	1.0099
HV distribution network	PAHV	PHHV PTHV PEHV PDHV PSHV PWHV PNHV	1.0142
Distribution substation	PADS	PHDS PTDS PEDS PDDS PSDS PWDS PNDS	1.0311
LV distribution network	PALV	PHLV PTLV PELV PDLV PSLV PWL PNLV	1.0502
Transmission connected	PATR	-	1.0000

## Appendix G: Distribution loss factor – Contacts

Questions regarding the distribution loss factors contained in this document should, in the first instance, be directed to the appropriate person listed below.

### Distribution Network Service Provider

Ausgrid	Bill Nixey, Network Pricing Manager - Customer & Strategy pricing@ausgrid.com.au	02 9037 7556
Endeavour Energy	Fiona Place, Senior Regulatory Compliance & Reporting Analyst	02 9853 6302
Energex	Bob Telford Manager, Network Pricing and Tariffs	0418 929 173
Ergon Energy Corporation Limited	Bob Telford Manager, Network Pricing and Tariffs	0418 929 173
Essential Energy	Catherine Waddell, Network Pricing Manager	02 6338 3553
Evoenergy	Danny Tantri, Principal Engineer System Planning	02 6293 5162
Jemena	Siva Moorthy Network Regulation Manager	03 9173 8774
Powercor Australia Ltd and CitiPower Pty Ltd	Zahra Crocker, Manager Regulatory Projects	0428 182 389
SA Power Networks	Helen White Pricing Manager	0421 118 196
AusNet Services	Charlotte Eddy, Manager Economic Regulation	03 9695 6309
TasNetworks	Tim Astley NEM Strategy and Compliance Team Leader	03 6271 6151
United Energy Distribution	Zahra Crocker, Manager Regulatory Projects	0428 182 389