DISTRIBUTION LOSS FACTORS FOR THE 2017 / 2018 FINANCIAL YEAR

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Version Control

VERSION	DATE	DETAILS
1.0	30/03/2017	Posted on the AEMO website in accordance with clause 3.6.3(i) of the National Electricity Rules.
2.0	15/05/2017	Updated to include Tasnetwork's DLF and correction of DLF value for NMI 3051745577
3.0	13/07/2017	Correction of NMI for DLF code FVSF
4.0	28/08/2017	New DLF for Grosvenor 2 code XMG2
5.0	26/09/2017	New DLF for Kiata & Yaloak South Windfarm codes KKW and KYS respectively
6.0	25/10/2017	New DLF for Edinburgh and Lonsdale Embedded generators codes NTGN and NTGS respectively

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Rules Requirements

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

- 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 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 Distribution Network Service Provider must obtain the approval of the AER for the distribution loss factors it has determined for the next financial year.

Distribution Loss Factors for 2017/18

The Queensland DLFs for the 2017/18 financial year are tabulated in Appendix A.

The Victorian DLFs for the 2017/18 financial year are tabulated in Appendix B.

The NSW DLFs for the 2017/18 financial year are tabulated in Appendix C.

The ACT DLFs for the 2017/18 financial year are tabulated in Appendix D.

The South Australian DLFs for the 2017/18 financial year are tabulated in Appendix E.

The Tasmanian DLFs for the 2017/18 financial year are tabulated in Appendix F.

Appendix G contains a contact for each Distribution Network Service Provider (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 2017/18

Table A1: Energex's Average DLFs

NETWORK LEVEL	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
110 kV connected	FSSS	1.0040	1.0039
33 kV connected	F3CL	1.0098	1.0095
11 kV bus connected	F1ZH	1.0142	1.0139
11 kV line connected	F1CH	1.0215	1.0208
LV bus connected	F1CL	1.0419	1.0405
LV line connected	FLCL	1.0578	1.0560

Table A2: Energex's DLFs for Individually Calculated Customers/Generators

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
3120081063	FALK	1.01004	1.01026
QB13708848	FBEP	1.01270	1.01138
QB13786415	FBOC	1.01138	1.00986
QB03188493	FBRR	1.00858	1.00835
QB07156049	FBAC	1.01682	1.01510
3116941403	FAPB	1.01672	1.01473
3120007259	FLMD	1.01439	1.01430
QB03674681	FCAL	1.00982	1.00795
QB03187888	FQCL	1.02819	1.02746
3120032960	FCLT	1.00579	1.00658
3120033076	FCST	1.00454	1.00438
QB00011835	FCRL	1.00909	1.00824
3120167431	FEAN	1.00832	1.00447
3120167432	FEAS	1.00831	1.00441
3117267111	FTD	1.00800	1.00940
3120001083	FRAF	1.01497	1.01815
QB03017958	FQUE	1.00806	1.00894
3117524016	FGBI	1.00487	1.00731
3120048897	FGHP	1.00761	1.00722
QB08899177	FHYS	1.04609	1.03363
QB03675327	FICT	1.00776	1.00687
QB00702307	FSFT	1.03694	1.03090
QB08144664	FACI	1.05881	1.05903
3120085619	FLWH	1.00592	1.00611
3120085617	FLWT	1.00075	1.00068
3117238161	FLGP	1.01290	1.01519
3120081891	FNBW	1.11507	1.12671
QB03674177	FQG	1.01647	1.02250
QB05747155	FPCF	1.01684	F1ZH
QB09709916	FQBH	1.00030	1.00024

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
QB09750568	FQB	1.00007	1.00007
QB05850851	FQBW	1.00173	1.00233
QB07417373	FQCB	1.00682	1.03951
QB03187390	FQC	1.00001	1.00007
QB07480580	FQL	1.00067	1.00077
3120253094	FQP	1.00773	1.00995
QB12757888	FQR	1.00048	1.00037
3120090363	FQRS	1.00033	1.00024
3120253056	FQRW	1.00589	1.00774
QB08485399	FQT	1.00205	1.00246
3117476607	FQW	1.00147	1.00136
QB03675025	FPAH	1.00869	1.00942
3120134803	FQCH	1.00727	1.00842
QB03674151	FRBH	1.00851	1.00992
QB00703630	FBCC	1.01307	1.01230
QB02572559	FNPD	1.03241	1.03044
QMRGW00156	FSWP	1.00668	1.01012
QB00547778	FSBB	1.03116	1.03764
3120152640	FSUH	1.00942	1.01135
QB07047011	FSTC	1.01272	1.01050
3116852575	FUQ1	1.01530	1.01334
QB12021814	FVP	1.00864	1.00522
QB09455507	FSC	1.00764	1.00727
QB03188523	FWGC	1.00584	1.00560
3116578384	FEIB	1.01653	1.01275
QB14097800	FRPT	0.99919	0.99796
3117546923	FTTB	1.03037	1.03624
3114538695	FWHG	1.05742	1.05145
QB06480217	FHDL	-	1.00887
3120301290	FVSF	-	0.98048

Table A3: Ergon Energy's Tariff Class DLFs

NETWORK LEVEL	DLF APPLIED IN 2016/17			DLF TO APPLY IN 2017/18		
	East	West	MI	East	West	MI
Sub-Trans. Bus	1.006	1.028	1.001	1.006	1.029	1.001
Sub-Trans. Line	1.011	1.062	1.006	1.011	1.057	1.005
22/11kV Bus	1.015	1.068	1.008	1.015	1.065	1.007
22/11kV Line	1.028	1.100	1.036	1.030	1.097	1.035
LV Bus	1.074	1.154	1.065	1.073	1.149	1.061
LV Line	1.095	1.185	1.069	1.096	1.192	1.070

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

Table A4: Ergon Energy's Site Specific DLFs

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
QDDD000005	GBSB	1.000	1.000
QAAALV0001	GBSB	1.000	1.000
QAAAMR0000	GBSB	1.000	1.000
3051745071	GS22	1.001	1.001
QAAABW0000	GBSB	1.000	1.000
QAAABW0002	GS02	1.006	1.006
3051526867	GBSB	1.000	GESB
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	1.006	1.003
QCCC000004	GS19	1.039	1.037
QCCC000014	GS73	1.001	GESL
QCCC000002	GS18	1.003	1.004
QWAGW00066	GS65	1.010	1.010
QAAABW0001	GS51	1.004	1.002
QDDD000003	GS21	1.002	1.002
QAAALV0000	GBSB	1.000	1.000
QGGG000394	GS40	1.095	1.092
QAAABX0014	GS69	1.006	1.006
QEMS000001	GS64	1.010	1.009
QAAALV0002	GBSB	1.000	1.000
QCCC000003	GBSB	1.000	1.000
QCCC000012	GS85	1.056	1.060
QAAALV0004	GBSB	1.000	1.000
QAAABX0012	GS70	1.001	1.001
3051111985	GS06	1.006	1.006
QAAARG0000	GS14	1.004	1.004
QAAAMR0001	GS13	1.004	1.004
QAAABW0041	GS62	1.021	1.023
QAAALX0000	GS12	1.017	1.020
QAAABL0000	GBSB	1.000	1.000
3051844184	GS84	1.000	1.000
3051467399	GS86	1.010	1.005
QDDD000028	GS87	1.000	1.008
QDDD003342	GS88	1.014	1.007
3051492237	GS89	1.000	1.000
3051988348	GS90	1.002	1.002
QCCC000020	GS82	1.010	1.008
QCCC000018	GS83	1.006	1.006

Table A5: Ergon Energy's DLFs Embedded Generators

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
QEEE000547	GS26	0.992	0.994
QEEE000026	GS55	0.976	0.979
QCQPW00076	GS49	0.970	0.959
QFFF000010	GS29	0.983	0.979
QFFF00000Z	GS30	0.983	0.979
QCCC001041	GS67	0.973	0.968
QDDD003206	GS71	0.999	0.999
3052323901	GBSB	1.000	1.000
QCCC001036	GS56	0.992	0.990
QMKYW00147	GBSB	1.000	1.000
QGGG000418	GS74	1.001	1.001
3051393689	GS76	0.949	0.946
QEEE000050	GS79	0.976	0.977
3051745577	GS80	0.994	0.994
3051532166	GS81	0.987	0.987

Table A6: Oaky Creek Coal Network's Embedded Generation DLF

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
7102000028	XOCN	0.9762	0.9742
7102000029	XOC2	0.9735	0.9686

Table A7: Capcoal Network's Embedded Generation DLF

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
7102000033	XCCN	0.9981	0.9992

Table A8: Moranbah North Coal Mine Network's Embedded Generation DLF

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
7102000038	XMCN	0.9974	0.9953
7102000039	XMGR	0.9962	0.9937
7102000040	XMG2	-	0.9931

Appendix B: Victoria Distribution Loss Factors for 2017/18

Table B1: Approved Network Average DLFs

DISTRIBUTORS	DISTRIBUTION LOSS FACTORS					
	Type	DLF A	DLF B	DLF C	DLF D	DLF E
Jemena	Short Sub-transmission	1.0044	1.0095	1.0229	1.0375	1.0438
	Long Sub-transmission	1.0175	1.0227	1.0361	1.0507	1.0570
CitiPower	Short sub-transmission	1.0036	1.0109	1.0138	1.0365	1.0419
Powercor	Short sub-transmission	1.0042	1.0099	1.0347	1.0601	1.0686
	Long sub-transmission	1.0327	1.0384	1.0632	1.0886	1.0971
AusNet Services	Short sub-transmission	1.0038	1.0118	1.0295	1.0541	1.0618
	Long sub-transmission	1.0206	1.0285	1.0462	1.0708	1.0785
United Energy	Short sub-transmission	1.0038	1.0091	1.0141	1.0377	1.0507
	Long sub-transmission	1.0182	1.0235	1.0284	1.0521	1.0651

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 B2: Approved site-specific DLFs for large load customers

DISTRIBUTOR	CUSTOMER NMI	DLF CODES	DLF TO APPLY IN 2017/18
Jemena	VDDD000495	CVPC	1.0094
	6001280255	CAPA	1.0051
	VDDD000244	CFMC	CHCS
	VDDD000134	CAGP	1.0117
	6001001784	CAHH	1.0143
CitiPower	VAAA000673	ESS4	1.0170
Powercor	VCCCAF0002	KAF1	1.0008
	VCCCAF0001	KAF	1.0061
	VCCCDA0031	KDA2	1.0017
	VCCCGD0001	KGD	KAS
	VCCCGJ0001	KGJ	1.0021
	VCCCRD0007	KRD	1.0076
	VCCCDA0025	KDA1	1.0083
	VCCCAD0001	KAD	1.0120
	VCCCSE0004	KSE	1.0529
	VCCCGE0019	KGE	KBS
	VCCCBC0025	KBC	1.0325
	VCCCTE0002	KTE	1.0466
	VCCCSB0012	KSB	1.0588
	6203803617	KBN	1.0083
	VCCCLD0024	KLD	1.0089
AusNet Services	VBBB000073	LL02	1.0047
	VBBB000161	LL05	1.0069
	VBBB000058	LL01	1.0200
	VBBB000096	LL03	LCHL
United Energy	VEEE0PD8AD	MC05	1.0092
	VEEE0TF39Q	MC06	1.0108
	VEEE0BG4Q3	MC02	1.0148
	VEEE0NDNEX	MC04	1.0223
	6407799056	MC08	1.0160
	VEEE08KH3V	MC01	1.0082
	VEEE0C8AW1	MC03	1.0069
	VEEE0ATYTH	MC07	1.0173

Table B3: Approved DLFs for large embedded generators

DISTRIBUTOR	NMI	DLF CODES	DLF TO APPLY IN 2017/18
Jemena	6001264751	CSOG	0.9851
Powercor	6203661632	KCH	0.9649
	6203008782	KCF	1.0305
	6203690629	KYW	1.0305
	6203811032	KOH	0.8999
	6203829699	KML	0.9117
	6203879058	KCB	1.0293
	6203921151	KKW	0.9274
	6203921132	KYS	0.9947
AusNet Services	6305010110	LG03	1.0443
	6305651897	LG03	1.0443
	6305656070	LG02	1.0442
	6305721689	LG07	1.0492
	VBBB002342	LG04	1.0250
	VMBTWZCLPS	LG05	0.9974
	VTTSWZRUBX	LG06	1.0206
	6305908426	LG08	1.0169
	6305940506	LG09	1.0331
	6305941257	LG09	1.0331
United Energy	6407649172	MG01	1.0101

Appendix C: NSW Distribution Loss Factors for 2017/18

Table C1: Endeavour Energy's DLFs for Tariff Classes

TARIFF CLASS	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
132 kV Network	HNVL	1.0031	1.0034
Transmission Substation	HSTS	1.0071	1.0067
Subtransmission Network	HSTL	1.0101	1.0099
Zone Substation	HHVT	1.0108	1.0116
High Voltage Distribution Network	HHVL	1.0173	1.0173
Distribution Substation	HLVT	1.0460	1.0452
Low Voltage Network	HLVL	1.0673	1.0649

Table C2: Endeavour Energy's DLFs for Embedded Generators

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
NEEE000748	HTX2	0.9980	0.9996
NEEE000749	HTX3	1.0099	1.0104
NEEE000750	HTX4	1.0125	1.0138
4310951391	HNC1	0.9990	0.9995

Table C3: Endeavour Energy's DLFs for CRNP Customers

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
NEEE000003	HTX6	1.0088	1.0112
NEEE000005	HHY1	1.0104	1.0166
NEEE000006	HTY5	1.0220	1.0272
NEEE000014	HTY7	1.0050	HSTL
NEEE000032	HSTS	1.0071	1.0067
NEEE000046	HTV2	1.0023	1.0036
NEEE000049	HHV1	1.0075	1.0126
NEEE000066	HTY4	1.0355	1.0332
NEEE000506	HHY4	1.0129	1.0102
NEEE000707	HHY5	1.0231	1.0309

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
NEEE000758 NEEE000759	HIC1	1.0312	1.0189
NEEE000760 NEEE000762 NEEE000764 NEEE000766 NEEE000768	HTV4	1.0042	1.0065
4311061116 4311061119	HTY3	1.0060	1.0070
NEEE001591	HTX5	1.0078	1.0166
4311028276 4311028297 4311246109 4311246110	HHY3	1.0100	1.0205
NEEE001656	HTV1	1.0043	1.0060
NEEE001892	HTX1	1.0094	1.0154
NEEEW00001 NEEEW00002	HTF1	1.0002	1.0011
NEEEW04150 NEEEW04151 NEEEW04152 NEEEW04153 NEEEW04154	HTF2	1.0077	1.0095
NEEE005219	HTX8	1.0071	1.0089
4311206443 NEEE000934	HTX9	1.0039	1.0066
NEEE000013	HSTL	1.0101	1.0099
4311021596 4311021597	HSTL	-	1.0099
4311019016 4311044309	HSTL	1.0101	1.0099
NEEE004639	HHVT	1.0108	1.0116
4310857952	HTYA	1.0122	HSTL
4310866743	HTXA	-	1.0103
4311159207	HTYB	-	1.0056

Table C4: Essential Energy's Site Specific DLFs

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
4001193201	BS02	0.9515	0.9468
4001185251	BS03	1.0109	1.0021
4001161869	BS32	1.1278	1.0983
NAAA00AC11	BS33	1.1083	1.0891
4001224331	BS35	1.0137	1.0163
NTTTW0RU20	BS37	1.0000	1.0000
NAAANRAB50	BS38	1.0169	1.0164
NAAA00AC21	BS39	1.0202	1.0186
NAAA00AB64	BS40	1.1135	1.0926
NAAANRAA01	BS41	1.1263	1.1229
4001151659	BS43	0.9963	1.0052
4001231299	BS43	0.9963	1.0052
NFFFNRKU39	BS44	0.9962	1.0014
4001175717	BS45	1.0469	1.0502
4508034707	BS46	1.0554	1.0458
4001210762	BS48	0.9893	0.9876
4001231908	BS50	0.9786	0.9758
NAAANRAA02	BS51	1.0092	1.0107
4001223403	BS52	1.0466	1.0529
4001242173	BS53	1.0065	1.0065
4001251721	BS54	0.9855	0.9839
4001246761	BS55	0.9958	0.9908
4001227465	BS56	1.0137	1.0163
4001258249	BS57	0.9960	0.9855
4001241798	BS58	0.9940	0.9934
4001202550	BS60	1.0095	1.0086
NTTTW0W110	UNIT	1.0000	1.0000

Table C5: Essential Energy's General DLFs

CLASS	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
Low Voltage	BL0A, DLDL, DLD2, DLD6, DLGB, DLGD	1.0815	1.0795
LV & Metered at CE	BL5A	1.0585	1.0564
High Voltage Line	BH0A	1.0388	1.0350
High Voltage Substation	BH5A	1.0183	1.0181
Sub-transmission	BS0A	1.0100	1.0101

Table C6: Ausgrid's DLFs for Tariff Classes

TARIFF CODE	TARIFF CLASS	LOCATION	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18	DLF Code
EA010	Residential Non ToU	LV system	1.0581	1.0548	JLDL
EA025	Residential ToU	LV system	1.0516	1.0484	JL40
EA030	Controlled Load 1	LV system	1.0581	1.0548	JL1L
EA040	Controlled Load 2	LV system	1.0581	1.0548	JL2L
EA050	Small Business Non ToU	LV system	1.0513	1.0479	JLSL
EA225	Small Business ToU	LV system	1.0513	1.0479	JLSL
EA301	LV 40-160 MWh (Transition - Closed)	LV system	1.0513	1.0479	JLSL
EA302	LV 40-160 MWh (System)	LV system	1.0513	1.0479	JLSL
EA305	LV 160-750 MWh (System)	LV system	1.0513	1.0479	JLSL
EA310	LV >750 MWh (System)	LV system	1.0513	1.0479	JLSL
EA325	LV Connection (Standby Tariff)	LV system	1.0513	1.0479	JLSL
EA360	HV Connection (Standby Tariff)	HV system	1.0154	1.0155	JHSH
EA370	HV Connection (System)	HV system	1.0154	1.0155	JHSH
EA380	HV Connection (Substation)	HV substation	1.0123	1.0123	JHBH
EA390	ST Connection	ST System	1.0064	1.0059	JSSS
EA391	ST Connection (Substation)	ST substation	1.0064	1.0059	JSBS
EA401	Public Lighting	LV system	1.0660	1.0615	JLSP
EA402	Constant Unmetered	LV system	1.0556	1.0517	JLSU
EA403	Energy Light	LV system	1.0660	1.0615	JLSP
EA501	Transmission Connection	Transmission	1.0000	1.0000	JTRN

Table C7: Ausgrid's DLFs for CRNP Customers

NMI	LOCATION	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18	DLF CODE
4103736926	33 kV system	1.0024	1.0020	J550
4103736927	33 kV system	1.0024	1.0020	J550
NCCCNREA06	33/11 kV substations	1.0097	1.0134	J660
4103748279	132 kV system	1.0000	1.0000	J885
4103507254	33 kV system	1.0028	1.0026	JGLB
4103507266	33 kV system	1.0028	1.0026	JGLB
4103841748	33 kV system	1.0028	1.0026	JGLB
NCCCNRNP40	132 kV transmission	1.0000	1.0000	JCAP
NCCCNRNP50	132 kV transmission	1.0000	1.0000	JCAP
NCCCWRNP60	132 kV transmission	1.0000	1.0000	JCAP
NCCCZ01251	33 kV system	1.0022	1.0030	J881
4102016227	33 kV transmission	1.0005	1.0008	JTOL
4102016252	33 kV transmission	1.0005	1.0008	JTOL
4103770084	132 kV transmission	1.0018	1.0012	J887
4103770085	132 kV transmission	1.0018	1.0012	J886
NCCCZ01381	33 kV transmission	1.0009	1.0011	J800
4103769153	33 kV system	1.0045	1.0062	J700
4103769154	33 kV system	1.0045	1.0062	J700
NCCCNRZ1BK	132/33 kV substations	1.0026	1.0045	J635
4103686298	66 kV system	1.0064	1.0059	JSSS
NCCCX00745	33 kV transmission	1.0003	1.0008	J640
NCCCX00746	33 kV transmission	1.0003	1.0008	J640
NCCCX00747	33 kV transmission	1.0003	1.0008	J640
4103507347	132/33 kV substations	1.0149	1.0129	J601
NCCCNRZ1BM	132 kV system	1.0063	1.0052	J580
NCCCX00332	132/66 kV substations	1.0002	1.0001	J590
NCCCNRZZB0	132/33 kV substations	1.0060	1.0108	J610
NCCCX00750	33 kV transmission	1.0008	1.0016	J620
NCCCX00751	33 kV transmission	1.0008	1.0016	J620
NCCCX00752	33 kV transmission	1.0008	1.0016	J620
NCCCX00753	33 kV transmission	1.0008	1.0016	J620
NCCC007211	33 kV system	1.0075	1.0058	J605
NCCCNRZ1BQ	33 kV transmission	1.0055	1.0029	J655
NCCCX00283	132/33 kV substations	1.0036	1.0045	J630
NCCCX00284	132/33 kV substations	1.0036	1.0045	J630
NCCCX00748	132/33 kV substations	1.0062	1.0076	J615
NCCCX00749	132/33 kV substations	1.0062	1.0076	J615
NCCCNRZ1BT	132/33 kV substations	1.0063	1.0026	J645
NCCCX00293	132/33 kV substations	1.0070	1.0095	J600
NCCCX00294	132/33 kV substations	1.0070	1.0095	J600
NCCC002902	66 kV system	1.0066	1.0052	JK23
NCCC002221	66 kV system	1.0078	1.0076	J500
NCCCZ01275	132/33 kV substations	1.0045	1.0067	J560
NCCCNREEK2	33 kV system	1.0081	1.0059	J541

NMI	LOCATION	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18	DLF CODE
4102030738	33 kV system	1.0069	1.0089	J543
4103628537	33 kV system	1.0069	1.0089	J543
NCCCNRCS90	HV system	1.0125	1.0123	J670
NCCCNRZ1XJ	66 kV system	1.0147	1.0195	J680
NCCCNREA14	132/11 kV substations	1.0103	1.0123	J770
4103798233	66 kV system	1.0072	1.0115	J771
NCCCNREB57	33/11 kV substations	1.0153	1.0202	J772
NCCCNREB24	132/11 kV substations	1.0301	1.0280	J773
4103598315	132/66 kV substations	1.0065	1.0084	J774
NCCCNREE73	33 kV system	1.0151	1.0176	J775
NCCCNREB49	132/66 kV substations	1.0061	1.0050	J777
4103632682	33 kV system	1.0175	1.0154	J778
4103529698	66 kV system	1.0106	1.0128	J779
NCCCNRENB7	132/66 kV substations	1.0193	1.0146	J780
4103768912	132/33 kV substations	1.0063	1.0030	J781
4103768913	132/33 kV substations	1.0063	1.0030	J782
4103831536	132/11 kV substations	1.0026	1.0030	J783

Table C8: Ausgrid's DLF's for Embedded Generators

NMI	LOCATION	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18	DLF CODE
NCCC007498	33 kV system	1.0061	1.0052	JGEN
NCCCNRGB10	HV system	1.0149	1.0150	JK24
NCCCNRME11	33 kV system	1.0061	1.0052	JGEN
NCCCNRME10	33 kV system	1.0061	1.0052	JGEN
NCCC007441	132 kV system	1.0008	1.0007	JRED

Table C9: One Steel's Embedded Network DLFs

NMI	LOCATION	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18	DLF CODE
7102000008, 7102000009, 7102000010	11 kV	1.0725	1.0908	XON2

Appendix D: ACT Distribution Loss Factors for 2017/18

Table D1: ActewAGL's Distribution's DLFs

CONNECTION	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
High Voltage	AH00	1.0190	1.0154
Low Voltage	AL00	1.0508	1.0482

Table D2: ActewAGL's Site Specific DLFs

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
NGGG000294	AS01	1.0089	1.0057
NGGG000269	AS02	1.0084	1.0062
7001197618	AS04	0.9997	0.9996
7001317224	AS06	0.9997	0.9984
7001319704	AS07	0.9997	0.9987

Appendix E: South Australia Distribution Loss Factors for 2017/18

Table E1: SA Power Network's Distribution Connection Point Class DLFs

CLASS	TARIFF	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
Low Voltage Small Customers	Unmetered	NLV2	1.0980	1.1050
	Residential	NLV2	1.0980	1.1050
	Controlled Load (HW)	NLV2	1.0980	1.1050
	Small Business Single Rate	NLV2	1.0980	1.1050
	Small Business Two Rate	NLV2	1.0980	1.1050
	Small Business Demand	NLV2	1.0980	1.1050
	PV cells and microgeneration	NLV2	1.0980	1.1050
LV Large Business	Large LV Business Demand	NLV1	1.0780	1.0840
HV Business	HV Demand Two Rate	NHV1	1.0470	1.0500
Major Business	Substation Non Locational	NZS1	1.0220	1.0230
	Sub-transmission Non Locational	NZS1	1.0220	1.0230

Table E2: SA Power Network's Site Specific DLFs

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
2001000378	NBA1	1.0010	1.0010
2001000608	NAC2	1.0120	1.0120
2002112609	NKC4	1.0100	1.0100
2002133131	NGM2	1.0070	1.0070
2002213788	NHN1	1.0020	1.0020
2002213796	NHN2	1.0020	1.0020
2002216840	NDS1	1.0130	1.0130
2002276228	NRA1	1.0070	1.0070
2002276230	NRA2	1.0110	1.0110
2002280161	NDS2	1.0130	1.0130
2002257162	NRT1	1.0030	1.0030
2002257164	NRT1	1.0030	1.0030
SAAAAAA018	NPS1	1.0000	1.0000

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
SAAAAAA021	NPS3	1.0070	1.0070
SAAAAAA022	NGM1	1.0090	1.0090
SAAAAAA024	NAB1	1.0070	1.0070
SAAAAAA035	NGT1	1.0060	1.0060
SAAAAAA084	NOS1	1.0010	1.0010
SAAAAAA438	NIF1	1.0110	1.0110
SAAAAAB557	NOS2	1.0000	1.0000

Table E3: SA Power Network's Embedded Generator DLFs

NMI	DLF CODE	DLF APPLIED IN 2016/17	DLF TO APPLY IN 2017/18
2001000639	NCL1	1.0090	1.0090
2001000640	NCL1	1.0090	1.0090
2001000734	NSHW	1.0090	1.0090
2002108658	NCDW	0.9730	0.9730
2002108660	NAS1	0.9970	0.9970
2002108661	NAS2	0.9970	0.9970
2002220776	NSP1	1.0040	1.0040
2002221495	NSP2	1.0040	1.0040
2001830001	NTGN	-	1.0030
2001830002	NTGS	-	0.9980

Appendix F: Tasmania Distribution Loss Factors for 2017/18

The AER has approved the following distribution loss factors for Tasmania for the 2017/18 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 F1), Tamar (Table F2), East Coast (Table F3), North West (Table F4), Derwent (Table F5), Southern (Table F6), and West Coast (Table F7).

Table F1: TasNetworks' Hobart Region DLFs

Distribution Network Level	Region	DLF Code	Cumulative DLF
Subtransmission Network	Hobart	PHST	1.0045
Zone Substation	Hobart	PHZN	1.0067
HV Distribution Network	Hobart	PHHV	1.0119
Distribution Substation	Hobart	PHDS	1.0246
LV Distribution Network	Hobart	PHLV	1.0351

Table F2: TasNetworks' Tamar Region (incorporating Launceston) DLFs

Distribution Network Level	Region	DLF Code	Cumulative DLF
Subtransmission Network	Tamar	PTST	1.0000
Zone Substation	Tamar	PTZN	1.0000
HV Distribution Network	Tamar	PTHV	1.0076
Distribution Substation	Tamar	PTDS	1.0255
LV Distribution Network	Tamar	PTLV	1.0463

Table F3: TasNetworks' East Coast Region DLFs

Distribution Network Level	Region	DLF Code	Cumulative DLF
Subtransmission Network	East Coast	PEST	1.0000
Zone Substation	East Coast	PEZN	1.0000
HV Distribution Network	East Coast	PEHV	1.0198
Distribution Substation	East Coast	PEDS	1.0553
LV Distribution Network	East Coast	PELV	1.0893

Table F4: TasNetworks' North West Region DLFs

Distribution Network Level	Region	DLF Code	Cumulative DLF
Subtransmission Network	North West	PNST	1.0000
Zone Substation	North West	PNZN	1.0000
HV Distribution Network	North West	PNHV	1.0083
Distribution Substation	North West	PNDS	1.0319
LV Distribution Network	North West	PNLV	1.0583

Table F5: TasNetworks' Derwent Region DLFs

Distribution Network Level	Region	DLF Code	Cumulative DLF
Subtransmission Network	Derwent	PDST	1.0000
Zone Substation	Derwent	PDZN	1.0000
HV Distribution Network	Derwent	PDHV	1.0118
Distribution Substation	Derwent	PDDS	1.0398
LV Distribution Network	Derwent	PDLV	1.0727

Table F6: TasNetworks' Southern Region DLFs

Distribution Network Level	Region	DLF Code	Cumulative DLF
Subtransmission Network	Southern	PSST	1.0000
Zone Substation	Southern	PSZN	1.0003
HV Distribution Network	Southern	PSHV	1.0145
Distribution Substation	Southern	PSDS	1.0385
LV Distribution Network	Southern	PSLV	1.0605

Table F7: TasNetworks' West Coast Region DLFs

Distribution Network Level	Region	DLF Code	Cumulative DLF
Subtransmission Network	West Coast	PWST	1.0000
Zone Substation	West Coast	PWZN	1.0040
HV Distribution Network	West Coast	PWHV	1.0125
Distribution Substation	West Coast	PWDS	1.0392
LV Distribution Network	West Coast	PWLV	1.0530

Table F8: TasNetworks' Site Specific DLFs

NMI	Region	DLF Code	DLF
8000000656	North West	PSPU	1.0027
8000003578	West Coast	PBSM	1.0107
8000003585	North West	PACH	1.0000
8000003868	West Coast	PHGM	1.0000
8000295294	East Coast	PEMW	0.9499
8000004181	East Coast	PEDE	1.0000
8000296059	East Coast	PEHE	1.0000
8000003493	Derwent	PDTC	0.9811

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

ActewAGL Distribution	Janusz Worony, Manager Technical Regulation and Standards	02 6293 5871
Ausgrid	Garry Foo, Senior Distribution Pricing Analyst	02 9269 2283
Endeavour Energy	Jon Hocking, Manager Network Regulation	02 9853 4386
Energex	Jenny Doyle, Group Manager Regulation and Pricing	07 3851 6416
Ergon Energy Corporation Limited	Manager Regulatory Determination and Pricing	13 74 66
Essential Energy	Catherine Waddell, Network Pricing Manager	02 6338 3553
Jemena	Matthew Serpell, Manager Asset Regulation and Strategy	03 9173 7000
Powercor Australia Ltd and CitiPower Pty	Neil Gascoigne, Manager Planning Policy and Transmission Interface	03 9683 4472
SA Power Networks	James Bennett, Manager Regulation	08 8404 5261
AusNet Services	Kate Jdanova, Senior Regulatory Analyst	03 9695 6630
TasNetworks	Kirstan Wilding, Leader Regulation	03 6271 6696
United Energy Distribution	Rodney Bray, Network Planning Manager	03 8846 9745