

DISTRIBUTION LOSS FACTORS FOR THE 2009/10 FINANCIAL YEAR

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Version Control

VERSION	DATE	DETAILS
1	01/04/2009	Posted on the NEMMCO website in accordance with clause 3.6.3(i) of the National Electricity Rules.
2	08/04/2009	Added DLF Codes to NMIs 6203764760 and VCCCTE0002, and corrected DLF Code for NMI VCCCSB0012 (Table B2); Corrected NMIs (removed checksum) and deleted DLF Code description from Table C7. Reformatted table C6.
3	26/06/2009	Amended DLF Values for NMIs 3050922955 and 3050922963 to have a single DLF. Also amended DLF codes for the NMI's: QDDD003340, QEEE000050. DLF Value for NMI: NEEE000749 has been assigned. Corrected NMIs NTTTTWQNNQ40 to NTTTTW0NQ40 and NTTTTWQNNQ50 to NTTTTW0NQ50. Assigned DLF code of JLSU to EA402.
4	13/08/2009	Corrected NMI QDDD003315 to QDDD003206 in Table A5. Corrected DLF code of JLSL for EA402. Updated Rules reference for AEMO & AEMO Format Applied. Added DLF CODE of UNIT to NMI QMKYW00147 in table A5.
5	04/03/2010	Amended DLF value for NMI 4103748279 (Table C7).

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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 2009/10

The Queensland DLFs for the 2009/10 financial year were approved by the AER and are tabulated in Appendix A.

The Victorian DLFs for the 2009/10 financial year were approved by the AER and are tabulated in Appendix B.

The NSW DLFs for the 2009/10 financial year were approved by the AER and are tabulated in Appendix C.

The Australian Capital Territory DLFs for the 2009/10 financial year were approved by the AER and are tabulated in Appendix D.

The South Australian DLFs for the 2009/10 financial year were approved by the AER and are tabulated in Appendix E.

The Tasmanian DLFs for the 2009/10 financial year were approved by the AER and are tabulated in Appendix F.

Appendix G contains a contact for the AER. Any questions regarding distribution connection points and DLFs should be referred to this contact.

Appendix A: Queensland Distribution Loss Factors for 2009/10

The AER has approved the following distribution loss factors for Queensland for the 2009/10 financial year.

Energex Limited

Table A1: Energex Average Distribution Loss Factors

NETWORK LEVEL	DISTRIBUTION LOSS FACTOR		
	DLF Code	Applied in 2008/09	To Apply in 2009/10
110 kV connected	FSSS	1.0046	1.0047
33 kV connected	F3CL	1.0142	1.0147
11 kV bus connected	F1ZH	1.0194	1.0201
11 kV line connected	F1CH	1.0282	1.0287
LV bus connected	F1CL	1.0497	1.0463
LV line connected	FLCL	1.0786	1.0701

Table A2: Energex Distribution Loss Factors for Individually Calculated Customers

NMI	DISTRIBUTION LOSS FACTOR		
	DLF CODE	APPLIED IN 2008/09	TO APPLY IN 2009/10
3117476607	FQW	1	1.00097
3116852575	FUQ1	1.00825	1.00968
3116852583	FUQ2	1.00874	1.01229
3116941403	FAPB	1.03103	1.01954
3117239826	FNST	1.0047	1.00349
3117267111	FTD	1.00861	1.01386
3120007259	FLMD	N/A	1.0202
QB00011835	FCRL	1.06758	1.06753
QB00703591	FRAF	N/A	1.03895
QB00703630	FBCC	1.01384	1.01551
QB02572591	FAPM	1.02095	1.02307
QB03187390	FQC	1.00006	1.00027
QB03187888	FQCL	1.07518	1.03849
QB03674151	FRBH	1.01129	1.01049
QB03674177	FQG	1.01708	1.02225
QB03674681	FCAL	1.01146	1.01224
QB03675327	FICT	1.0126	1.01945
QB05850851	FQBW	1.00277	1.00179
QB07047011	FSTC	1.01648	1.01772
QB07156049	FBAC	1.04182	1.032
QB07417373	FQCB	1.00421	1.0004
QB07480580	FQL	1.00131	1.00048
QB08144664	FACI	1.07274	1.05577
QB08485399	FQT	1.00269	1.00006
QB09455507	FSC	1.00576	1.00971
QB09709916	FQBH	1.00144	1.00083
QB09750568	FQB	1.005	1.00517
QB10995285	FHPR	1.14785	1.16755
QB12021814	FVP	1.00886	1.00679
QB12757888	FQR	1.00068	1.00022
QB13786415	FBOC	1.05435	1.02265
QB14097800	FRPT	1.00083	1.00125
QMRGW00156	FSWP	1.01242	1.01127

Ergon Energy**Table A3 – Ergon Energy Tariff Class Distribution Loss Factors**

NETWORK LEVEL	DLFS APPLIED 2008/09			DLFS TO APPLY 2009/10		
	East	West	MI	East	West	MI
Sub-Trans. Bus	1.010	1.057	1.001	1.009	1.012	1.001
Sub-Trans. Line	1.019	1.107	1.006	1.021	1.068	1.006
22/11kV Bus	1.020	1.114	1.010	1.022	1.077	1.010
22/11kV Line	1.039	1.154	1.038	1.042	1.119	1.039
LV Bus	1.071	1.193	1.042	1.075	1.162	1.058
LV Line	1.076	1.263	1.344	1.084	1.262	1.083

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 - Site Specific Distribution Loss Factors

NMI	DLF CODE	DLFS APPLIED 2008/09	DLFS TO APPLY 2009/10
QAAABL0000	GBSB	1.010	1.000
QAAALV0001	GBSB	1.000	1.000
QAAAMR0000	GBSB	1.000	1.000
QAAABW0000	GBSB	1.000	1.000
QAAABW0002	GS02	1.011	1.009
QAAA0000NX	GS61	1.003	1.001
QAAABW0001	GS51	1.003	1.003
QAAALV0000	GBSB	1.000	1.000
QAAABX0014	GS69	1.007	1.007
QAAALV0003	GBSB	1.000	1.000
QAAALV0002	GBSB	1.000	1.000
QAAALV0004	GBSB	1.000	1.000
QAAABX0012	GS70	1.003	1.001
QAAABX0001	GS05	1.008	1.008
QAAABX0002	GS06	1.020	1.014
QAAARG0000	GS14	1.010	1.004
QGNG000103	GS41	1.000	1.001
QAAAMR0001	GS13	1.002	1.002
QAAABW0041	GS62	1.016	1.015
QAAABW0042	GS63	1.037	1.036
QAAADY0000	GBSB	1.000	1.000
QDDD000005	GBSB	1.000	1.000
QDDD000019	GS23	1.031	1.023

NMI	DLF CODE	DLFS APPLIED 2008/09	DLFS TO APPLY 2009/10
QDDD000001	GBSB	1.000	1.000
QDDD000002	GBSB	1.000	1.000
QDDD000004	GS22	1.003	1.008
QDDD000027	GS44	1.003	1.003
QDDD000026	GS24	1.008	1.009
QDDD003345	GS77	1.006	1.004
QDDD003336	GS50	1.018	1.015
QDDD000003	GS21	1.002	1.003
QEMS000001	GS64	1.009	1.011
QCCC000004	GS19	1.052	1.054
QCCC001004	GS60	1.044	1.043
QCCC000014	GS73	1.003	1.003
QCCC000002	GS18	1.004	1.003
QCCC000003	GBSB	1.000	1.000
QCCC700300	GBSB	1.000	1.000
QWAGW00033	GS66	1.012	1.011
QWAGW00066	GS65	1.012	1.011
QGGG000394	GS40	1.167	1.143
QGGG000000	GBSB	1.000	1.000
QGGG000032	GS33	1.002	1.003
QGGG000033	GS34	1.000	1.000
QAAALX0000	GS12	1.007	1.002

Table A5 Ergon Energy Distribution Loss Factors – Embedded Generators

NMI	DLF CODE	DLFS APPLIED 2008/09	DLFS TO APPLY 2009/10
QEEE000547	GS26	0.996	0.996
QEEE000026	GS55	0.978	0.978
QCQPW00076	GS49	0.868	0.889
QFFF000010	GS29	0.977	0.974
QFFF00000Z	GS30	0.977	0.974
QCCC001041	GS67	0.977	0.976
QDDD003206	GS71	1.000	0.996
QDDD003340	GBSB	1.000	1.000
QCCC001036	GS56	0.981	0.983
QMKYW00147	UNIT	1.000	1.000
QGGG000418	GS74	1.002	1.000
QFFF000000	GS76	0.920	0.922
QEEE000050	GS79	N/A	0.971
3050922955	GS78	0.971	0.931
3050922963	GS78	0.971	0.931

Table A6: Oaky Creek Network – Embedded Generation

NMI	DLF CODE	DLF APPLIED IN 2008/09	DLF TO APPLY IN 2009/10
7102000028	XOCN	0.9984	0.9993

Table A7: Capcoal Network – Embedded Generation

NMI	DLF CODE	DLF APPLIED IN 2008/09	DLF TO APPLY IN 2009/10
7102000033	XCCN	0.9994	0.9951

Table A8: Moranbah North Coal Network – Embedded Generation

NMI	DLF CODE	DLF APPLIED IN 2008/09	DLF TO APPLY IN 2009/10
7102000038	XMCN	0.9874	0.9827

Appendix B: Victoria Distribution Loss Factors for 2009/10

The AER has approved the following distribution loss factors for Victoria for the 2009/10 financial year.

Table B1: Approved Network Average DLFs for the 2009/10 Financial Year

DISTRIBUTORS	DISTRIBUTION LOSS FACTORS					
	Type	DLF A	DLF B	DLF C	DLF D	DLF E
Jemena	Short sub-transmission	1.0055	1.0115	1.0293	1.0445	1.0516
	Long sub-transmission	1.0235	1.0295	1.0473	1.0609	1.0673
CitiPower	Short sub-transmission	1.0034	1.0118	1.0174	1.0409	1.0460
Powercor	Short sub-transmission	1.0048	1.0115	1.0371	1.0634	1.0721
	Long sub-transmission	1.0369	1.0436	1.0692	1.0955	1.1042
SP AusNet	Short sub-transmission	1.0050	1.0128	1.0372	1.0588	1.0664
	Long sub-transmission	1.0367	1.0444	1.0688	1.0905	1.0980
United Energy	Short sub-transmission	1.0062	1.0135	1.0212	1.0455	1.0609
	Long sub-transmission	1.0294	1.0367	1.0444	1.0687	1.0841

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
SP AusNet	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 for 2009/10

DISTRIBUTOR	CUSTOMER NMI	DLF CODES IN 2009/10	DLFS TO APPLY IN 2009/10
Jemena	6001280255	CAPA	1.0048
	VDDD000134	CAGP	1.0147
	VDDD000136	CAFP	1.0038
	VDDD000224	CSPT	1.0131
	VDDD000244	CFMC	1.0123
	VDDD000286	CHCA	1.0110
	VDDD000495	CVPC	1.0066
CitiPower	VAAA000673	ESS4	1.0181
	VAAA000577	ESS3	1.0152
	VAAA000574	ESS2	1.0146
	VAAA000431	ESS1	1.0166
Powercor	VCCCAF0002	KAF1	1.0011
	VCCCAF0001	KAF	1.0062
	VCCDA0031	KDA2	1.0006
	VCCCGD0001	KGD	1.0012
	VCCCGJ0001	KGJ	1.0029
	VCCDA0022	KDA	1.0014
	VCCCRD0007	KRD	1.0134
	VCCDA0025	KDA1	1.0087
	VCCAB0003	KAB	1.0158
	VCCAD0001	KAD	1.0110
	6203764760	KGK	1.0134
	VCCCSE0004	KSE	1.0582
	VCCCGE0019	KGE	1.0098
	VCCBC0025	KBC	1.0313
	VCCCTE0002	KTE	1.0593
	VCCSB0012	KSB	1.0569
SPI Electricity	VBBB000073	LL02	1.0045
	VBBB000058	LL01	1.0294
	VBBB000161	LL05	1.0080
	VBBB000096	LL03	1.0813
United Energy	VEEE0PD8AD	MC05	1.0118
	VEEE0TF39Q	MC06	1.0138
	VEEE0BG4Q3	MC02	1.0229
	VEEE0NDNEX	MC04	1.0230
	VEEE08KH3V	MC01	1.0095
	VEEE0C8AW1	MC03	1.0070

Table B3: Approved DLFs for large embedded generators for 2009/10

DISTRIBUTOR	GENERATOR	NMI	DLFS CODES IN 2009/10	DLFS TO APPLY IN 2009/10
Jemena	Somerton Power Station	6001264751	CSOG	0.9875
Powercor	Codrington Windfarm	6203008781	KCF	1.0328
	Challicum Hills Windfarm	6203661632	KCH	1.0100
	Yambuk Windfarm	6203690629	KYW	1.0328
SPI Electricity	Alinta No.1 generator at Bairnsdale	6305010110	LG03	1.0394
	Alinta No.2 generator at Bairnsdale	6305651897	LG03	1.0394
	Toora Windfarm	6305656070	LG02	1.0880
	Wonthaggi Windfarm	6305721689	LG07	1.0778
	Esso Longford Generator	VBBB002342	LG04	1.0600
	Clover Power Station	VMBTWZCLG1	LG05	0.9882
		VMBTWZCLG2		
	Rubicon Group of Generators	VTTSWZRUBX	LG06	1.0415
United Energy	Energy Developments Ltd Clayton Generator	6407649172	MG01	1.0121

Appendix C: New South Wales Distribution Loss Factors for 2009/10

The AER has approved the following distribution loss factors for NSW for the 2009/10 financial year.

Integral Energy

Integral Energy Distribution Loss Factors for 2009/10

Table 1: Integral Energy's DLFs for Tariff Classes

Tariff Class	DLF Code	DLFs Applied in 2008/09	DLFs to Apply in 2009/10
132 kV Network	HNVL	1.0040	1.0032
Transmission Substation	HSTS	1.0091	1.0080
Subtransmission Network	HSTL	1.0157	1.0154
Zone Substation	HHVT	1.0174	1.0174
High Voltage Distribution Network	HHVL	1.0282	1.0317
Distribution Substation	HLVT	1.0589	1.0605
Low Voltage Network	HLVL	1.0855	1.0827

Table 2: Integral Energy's DLFs for Embedded Generators

NMI	DLF Code	DLFs Applied in 2008/09	DLFs to Apply in 2009/10
NEEE000748	HTX2	1.00066	1.00558
NEEE000749	HTX3	1.0263	0.9912
NEEE000750	HTX4	1.0394	1.0024
4310951391	HNVL	N/A	1.0032

Table 3: Integral Energy's DLFs for CRNP Customers

NMI	DLF Code	DLFs Applied in 2008/09	DLFs to Apply in 2009/10
NEEE000005	HHY1	1.0133	1.0177
NEEE000006	HTY5	1.0330	1.0325
NEEE000014	HTY7	1.0329	1.0210
NEEE000032	HTY2	1.0081	1.0074
NEEE000046	HTV2	1.0040	1.0033
NEEE000049	HHV1	1.0090	1.0061
NEEE000066	HTY4	1.0281	1.0315
NEEE000506	HHY4	1.0082	1.0154
NEEE000707	HHY5	1.0452	1.0549

NEEE000758	HIC1	1.0439	1.0398
NEEE000759			
NEEE000760	HTV4	1.0173	1.0148
NEEE000762			
NEEE000764			
NEEE000766			
NEEE000768			
NEEE000770	HTY3	1.0140	1.0106
NEEE000771			
NEEE000881	HTY9	1.0305	1.0154
NEEE001591	HTX5	1.0328	1.0171
NEEE001596	HHY3	1.0196	1.0185
NEEE001632	HTY6	1.0304	1.0323
NEEE001656	HTV1	1.0032	1.0050
NEEE001814	HHY2	1.0117	1.0083
NEEE001885	HTY1	1.0119	1.0091
NEEE001892	HTX1	1.0325	1.0169
NEEEW00001	HTF1	1.0012	1.0011
NEEEW00002			
NEEEW04150	HTF2	1.0079	1.0083
NEEEW04151			
NEEEW04152			
NEEEW04153			
NEEEW04154			
4310983756*	HHY6	1.0296	1.0216
4310983779*	HHY6	1.0296	1.0216

* Was NMI NEEE000011

Country Energy

Table C4: Country Energy's Site Specific Approved 2009/10 DLFs

NMI	DLF CODE	DLFS APPLIED IN 2008/09	DLFS TO APPLY IN 2009/10
4001151659	BS43	0.979	0.979
4001175717	BS45	1.0925	1.0925
4508034707	BS46	1.055	1.055
4001210762	BS48	N/A	0.9903
NAAA00AC11	BS33	1.0934	1.0934
NAAA00AC14	BS34	1.0934	1.0934
NAAA00AC21	BS39	1.0211	1.0211
NAAA00AD65	BS35	1.0157	1.0157
NAAANRAA01	BS41	1.1009	1.1009
NAAANRAB50	BS38	1.0114	1.0114
NFFFNRKU39	BS44	N/A	0.9927
NTTTW0RU20	UNIT	1	1
NTTTW0W110	UNIT	1	1
Snowy Plains Wind Farm	BS47	0.9526	0.9526

Table C5: Country Energy's General Approved 2009/10 DLFs

CLASS OR NMI	DLF CODE	DLFS APPLIED IN 2008/09	DLFS TO APPLY IN 2009/10
Low Voltage	BL0A, DLDL, DLD2, DLD6, DLGB, DLGD	1.0961	1.0918
LV & Metered at CE Substation	BL5A	1.0483	1.0483
High Voltage Line	BH0A	1.0388	1.0388
High Voltage Substation	BH5A	1.0365	1.0365
Subtransmission	BS0A	1.0281	1.0281

Energy Australia

Table C6: Energy Australia's Approved 2009/10 DLFs for Tariff Classes

TARIFF CODE	TARIFF CLASS	LOCATION	DLFS FOR 2008/09	DLFS FOR 2009/10	DLF CODE
EA010	Domestic	LV system	1.0658	1.0669	JLDL
EA024	No NAC Energy40	LV system	1.0658	1.0669	JL40
EA025	LV Energy40 ToU system	LV system	1.0658	1.0669	JL40
EA026	LV Energy40 ToU substation	LV substation	1.0404	1.0464	JLBL
EA030	Controlled Load 1	LV system	1.0658	1.0669	JL1L
EA040	Controlled Load 2	LV system	1.0658	1.0669	JL2L
EA050	LV Business non-ToU	LV system	1.0639	1.0638	JLSL
EA290	LV Business ToU (System)	LV system	1.0639	1.0638	JLSL
EA291	LV Business ToU (Substation)	LV substation	1.0404	1.0464	JLBL
EA302	LV kW cap ToU (System)	LV system	1.0639	1.0638	JLSL
EA303	LV kW cap ToU (Substation)	LV substation	1.0404	1.0464	JLBL
EA305	LV Cap 750 (System)	LV system	1.0639	1.0638	JLSL
EA306	LV Cap 750 (Substation)	LV system	1.0404	1.0464	JLBL
EA310	LV kVA Dem ToU (System)	LV system	1.0639	1.0638	JLSL
EA320	LV kVA Dem ToU (Substation)	LV substation	1.0404	1.0464	JLBL
EA350	HV Business ToU	HV system	1.0254	1.0314	JHSH
EA370	HV kVA Dem ToU (System)	HV system	1.0254	1.0314	JHSH
EA380	HV kVA Dem ToU (Substation)	HV substation	1.0254	1.0194	JHBH
EA390	ST kVA Dem ToU	ST system	1.0226	1.0166	JSSS
EA401	Public lighting	LV system	1.1008	1.1068	JLSP
EA402	Constant unmetered	LV system	1.0639	1.0638	JLSL
EA403	EnergyLight	LV system	1.1008	1.1068	JLSP

Table C7: Energy Australia’s Approved 2009/10 DLFs for Embedded Generators and CRNP Customers

NMI	LOCATION	DLFS FOR 2008/09	DLFS FOR 2009/10	DLF CODE
4102016227	33 kV transmission	1.0031	1	JTOL
4102016252	33 kV transmission	1.0031	1	JTOL
4103628537	33 kV system	1.0065	1.0076	J543
4102030738	33 kV system	1.0065	1.0076	J543
4103507254	33 kV system	1.0015	1.0017	JGLB
4103507266	33 kV system	1.0015	1.0017	JGLB
4103507347	33 kV substation	1.0226	1.0166	J601
4103555166	33 kV system	1.0259	1.0244	J721
4103666631	33 kV system	1.0226	1.0166	JGEN
4103687416		1.0125	1.0128	J883
4103687417		1.0125	1.0128	J884
4103748279	132 kV transmission	1.0254	1	UNIT
NCCC002221	66 kV system	1.0099	1.0103	J500
NCCC002564	33 kV system	1.0017	1.0019	J550
NCCC002902	66 kV system	1.0092	1.0099	JK23
NCCC007211	33 kV system	1.0063	1.0068	J605
NCCC007441	132 kV system	1	1.0037	JRED
NCCC007498	33 kV system	1.0226	1.0166	JGEN
NCCCNRCS90	HV substation	1.0097	1.0104	J670
NCCCNREA04	33 kV system	1.005	1.0051	J710
NCCCNREA06	HV substation	1.0217	1.0232	J660
NCCCNREA07	HV substation	1.0663	1.0723	J570
NCCCNREA08	66 kV system	1.0249	1.0229	J690
NCCCNREEK2	33 kV system	1.0065	1.0076	J541
NCCCNRGB10	11 kV system	1.0254	1.0194	JK24
NCCCNRME10	33 kV system	1.0226	1.0166	JGEN
NCCCNRNP40	132 kV transmission	1	1	JCAP
NCCCNRNP50	132 kV transmission	1	1	JCAP
NCCCNRZ1BK	33 kV substation	1.0052	1.0054	J635
NCCCNRZ1BM	132 kV system	1.002	1.0016	J580
NCCCNRZ1BQ	33 kV transmission	1.0154	1.0214	J655
NCCCNRZ1BT	33 kV substation	1.0109	1.0115	J645
NCCCNRZ1V6	33 kV system	1.0259	1.0244	J720
NCCCNRZ1XJ	66 kV system	1.0198	1.0204	J680
NCCCNRZZB0	33 kV substation	1.009	1.0088	J610
NCCCWRNP60	132 kV transmission	1	1	JCAP
NCCCWRNY60	66 kV transmission	1	1	JKUR
NCCCWRNY80	ST system	1.0245	1.0245	JASH
NCCCWRNZ00	ST system	1.0563	1.0597	JPAT
NCCCX00283	33 kV substation	1.0032	1.0034	J630
NCCCX00284	33 kV substation	1.0032	1.0034	J630
NCCCX00293	33 kV substation	1.011	1.0087	J600
NCCCX00294	33 kV substation	1.011	1.0087	J600
NCCCX00331	66 kV substation	1.0104	1.0087	J590
NCCCX00332	132 kV transmission	1.0104	1.0087	J590
NCCCX00745	33 kV transmission	1.0044	1.0048	J640
NCCCX00746	33 kV transmission	1.0044	1.0048	J640
NCCCX00747	33 kV transmission	1.0044	1.0048	J640

NMI	LOCATION	DLFS FOR 2008/09	DLFS FOR 2009/10	DLF CODE
NCCCX00748	33 kV substation	1.0254	1.0251	J615
NCCCX00749	33 kV substation	1.0254	1.0251	J615
NCCCX00750	33 kV transmission	1.0016	1.0018	J620
NCCCX00751	33 kV transmission	1.0016	1.0018	J620
NCCCX00752	33 kV transmission	1.0016	1.0018	J620
NCCCX00753	33 kV transmission	1.0016	1.0018	J620
NCCCZ00060	66 kV system	1.0202	1.0262	J750
NCCCZ01085	HV substation	1.0091	1.0128	J732
NCCCZ01251	33 kV system	1.0586	1.0596	J881
NCCCZ01252	33 kV system	1.0756	1.0816	J882
NCCCZ01253	33 kV system	1.0376	1.0376	J700
NCCCZ01275	33 kV substation	1.0068	1.007	J560
NCCCZ01381	33 kV transmission	1.0018	1.0002	J800
NCCCZ01384	ST system	1.0125	1.013	J731
NCCCZA0005	33 kV system	1.0138	1.0134	J522
NCCCZA0006	HV substation	1.0343	1.0355	J521
NCCCZBLH02	33 kV system	1.0226	1.0166	JGEN
NTTTW0NQ40	132 kV transmission	1	1	UNIT
NTTTW0NQ50	132 kV transmission	1	1	UNIT

Table C8: One Steel Embedded Network

NMI	LOCATION	DLF CODE	DLFS APPLIED IN 2008/09	DLFS TO APPLY IN 2009/10
7102000007	33 kV	XONE	1.00581	1.00648
7102000008	11 kV	XON2	1.01334	1.01162

Appendix D: ACT Distribution Loss Factors for 2009/10

The AER has approved the following distribution loss factors for the ACT for the 2009/10 financial year.

Table D1: ActewAGL Distribution's Approved 2009/10 DLFs

CONNECTION	DLF CODE	DLFS APPLIED IN 2008/09	DLFS TO APPLY IN 2009/10
Low Voltage	AL00	1.0486	1.0478
High Voltage	AH00	1.0282	1.0274

Appendix E: South Australia Distribution Loss Factors for 2009/10

The AER has approved the following distribution loss factors for South Australia for the 2009/10 financial year.

Table E1: Distribution Connection Point Class Distribution Loss Factors

CLASS	TARIFF	DLF CODE	DLFS APPLIED IN 2008/09	DLFS TO APPLY IN 2009/10
Low Voltage	Unmetered	NLV2	1.0790	1.0740
	Residential	NLV2	1.0790	1.0740
	Controlled Load	NLV2	1.0790	1.0740
	Business Single Rate	NLV2	1.0790	1.0740
	Business Two Rate	NLV2	1.0790	1.0740
Low Voltage T/F	Medium LV Demand	NLV1	1.0640	1.0591
	LV Demand	NLV1	1.0640	1.0591
	Large LV Demand	NLV1	1.0640	1.0591
HV	HV	NHV1	1.0401	1.0353
Substation	Substation	NZS1	1.0211	1.0164

Table E2: Site Specific Distribution Loss Factors

NMI	DLF CODE	DLFS APPLIED IN 2008/09	DLFS TO APPLY IN 2009/10
2001000378	NBA1	1.0000	1.0000
2001000608	NAC2	1.0135	1.0135
2002112609	NKC4	1.0057	1.0057
2002133131	NGM2	1.0115	1.0115
SAAAAAA018	NPS1	1.0000	1.0000
SAAAAAA019	NPS2	1.0069	1.0069
SAAAAAA021	NPS3	1.0069	1.0069
SAAAAAA022	NGM1	1.0107	1.0107
SAAAAAA024	NAB1	1.0077	1.0077
SAAAAAA026	NAC1	1.0218	1.0218
SAAAAAA029	NMM1	1.0145	1.0145
SAAAAAA035	NGT1	1.0048	1.0048
SAAAAAA084	NOS1	1.0000	1.0000
SAAAAAA438	NIF1	1.0091	1.0091
SAAAAAB557	NOS2	1.0000	1.0000

Table E3: Embedded Generator Distribution Loss Factors

NMI	DLF CODE	DLFS APPLIED IN 2008/09	DLFS TO APPLY IN 2009/10
2001000647	NCL1	1.0226	1.0226
2001000734	NSHW	1.0092	1.0092
2002108658	NCDW	0.9721	0.9721
2002108660	NAS1	0.9900	0.9900
2002108661	NAS2	0.9900	0.9900

Table E4: Amcor/Gawler

NMI	DLF CODE	DLF APPLIED IN 2008/09	DLF TO APPLY IN 2009/10
2102000201	XRAG	N/A	1.002
2102000202	XRAG	N/A	1.002

Table E5: Oz Minerals Prominent Hill/Olympic Dam

NMI	DLF CODE	DLF APPLIED IN 2008/09	DLF TO APPLY IN 2009/10
2102000001	XOX1	1.056	1.056

Appendix F: Tasmania Distribution Loss Factors for 2009/10

The AER has approved the following distribution loss factors for Tasmania for the 2009/10 financial year.

Aurora Energy has grouped transmission connection sites into seven regions. The DLFs are grouped into each of these seven regions.

The transmission connection points that are associated with each region are detailed in tables as follows: Hobart (Table 1), Tamar (Table 2), East Coast (Table 3), North West (Table 4), Derwent (Table 5), Southern (Table 6), and West Coast (Table 7).

Table 1 – Hobart Region DLFs

Distribution Network Level	Region	DLF Code	Section DLF (including non-technical losses)	Cumulative DLF (including non-technical losses)
Subtransmission Network	Hobart	PHST	1.0059	1.0059
Zone Substation	Hobart	PHZN	1.0026	1.0085
HV Distribution Network	Hobart	PHHV	1.0113	1.0199
Distribution Substation	Hobart	PHDS	1.0181	1.0383
LV Distribution Network	Hobart	PHLV	1.0384	1.0783

Table 2 – Tamar Region (incorporating Launceston) DLFs

Distribution Network Level	Region	DLF Code	Section DLF (including non-technical losses)	Cumulative DLF (including non-technical losses)
Subtransmission Network	Tamar	PTST	1.0000	1.0000
Zone Substation	Tamar	PTZN	1.0000	1.0000
HV Distribution Network	Tamar	PTHV	1.0133	1.0133
Distribution Substation	Tamar	PTDS	1.0216	1.0352
LV Distribution Network	Tamar	PTLV	1.0384	1.0750

Table 3 – East Coast Region DLFs

Distribution Network Level	Region	DLF Code	Section DLF (including non-technical losses)	Cumulative DLF (including non-technical losses)
Subtransmission Network	East Coast	PEST	1.0000	1.0000
Zone Substation	East Coast	PEZN	1.0000	1.0000
HV Distribution Network	East Coast	PEHV	1.0184	1.0184
Distribution Substation	East Coast	PEDS	1.0303	1.0492
LV Distribution Network	East Coast	PELV	1.0384	1.0895

Table 4 – North West Region DLFs

Distribution Network Level	Region	DLF Code	Section DLF (including non-technical losses)	Cumulative DLF (including non-technical losses)
Subtransmission Network	North West	PNST	1.0000	1.0000
Zone Substation	North West	PNZN	1.0000	1.0000
HV Distribution Network	North West	PNHV	1.0137	1.0137
Distribution Substation	North West	PNDS	1.0233	1.0373
LV Distribution Network	North West	PNLV	1.0384	1.0771

Table 5 – Derwent Region DLFs

Distribution Network Level	Region	DLF Code	Section DLF (including non-technical losses)	Cumulative DLF (including non-technical losses)
Subtransmission Network	Derwent	PDST	1.0000	1.0000
Zone Substation	Derwent	PDZN	1.0000	1.0000
HV Distribution Network	Derwent	PDHV	1.0165	1.0165
Distribution Substation	Derwent	PDDS	1.0270	1.0439
LV Distribution Network	Derwent	PDLV	1.0384	1.0840

Table 6 – Southern Region DLFs

Distribution Network Level	Region	DLF Code	Section DLF (including non-technical losses)	Cumulative DLF (including non-technical losses)
Subtransmission Network	Southern	PSST	1.0000	1.0000
Zone Substation	Southern	PSZN	1.0000	1.0000
HV Distribution Network	Southern	PSHV	1.0160	1.0160
Distribution Substation	Southern	PSDS	1.0263	1.0428
LV Distribution Network	Southern	PSLV	1.0384	1.0829

Table 7 – West Coast Region DLFs

Distribution Network Level	Region	DLF Code	Section DLF (including non-technical losses)	Cumulative DLF (including non-technical losses)
Subtransmission Network	West Coast	PWST	1.0039	1.0039
Zone Substation	West Coast	PWZN	1.0000	1.0039
HV Distribution Network	West Coast	PWHV	1.0082	1.0122
Distribution Substation	West Coast	PWDS	1.0342	1.0467
LV Distribution Network	West Coast	PWLV	1.0384	1.0870

Table 8 – Site Specific DLFs

NMI	Region	DLF Code	DLF
8000000656	North West	PSPU	1.0015
8000003578*	West Coast	PBSM	1.0020
8000003585	North West	PACH	1.0000
8000003691	Tamar	PBGM	1.0019
8000003868	West Coast	PHGM	1.0000

* Existing mining complex currently in maintenance / limited production

Table 9 – Hobart Region Transmission Nodes

Zone Substation	Distribution connection voltage	TNI
Chapel Street	11kV	TCS3
Creek Road	33kV	TCR2
Lindisfarne	33kV	TLF2
North Hobart	11kV	TNH2
Risdon	33kV	TRI4
Rokeby	11kV	TRK2

Table 10 – Tamar Region Transmission Nodes

Zone Substation	Distribution connection voltage	TNI
Hadspen	22kV	THA3
Mowbray	22kV	TMY2
Norwood	22kV	TNW2
Trevallyn	22kV	TTR2
George Town	22kV	TGT3

Table 11 – Southern Region Transmission Nodes

Zone Substation	Distribution connection voltage	TNI
Electrona	11kV	TEL2
Kermandie	11kV	TKE2
Kingston	11kV	TKI2
Knights Road	11kV	TKR2

Table 12 – East Coast Region Transmission Nodes

Zone Substation	Distribution connection voltage	TNI
Avoca	22kV	TAV2
Derby	22kV	TDE2
Scottsdale	22kV	TSD2
Sorell	22kV	TSO2
St Marys	22kV	TSM2
Triabunna	22kV	TTB2

Table 13 – North West Region Transmission Nodes

Zone Substation	Distribution connection voltage	TNI
Burnie	22kV	TBU3
Devonport	22kV	TDP2
Emu Bay	11kV	TEB2
Palmerston	22kV	TPM3
Port Latta	22kV	TPL2
Railton	22kV	TRA2
Smithton	22kV	TST2
Ulverstone	22kV	TUL2
Wesley Vale	11kV	TWV2

Table 14 – West Coast Region Transmission Nodes

Zone Substation	Distribution connection voltage	TNI
Newton	22kV	TNT2
Queenstown	22kV	TQT2
Rosebery	44kV	TRB2
Savage River	22kV	TSR2

Table 15 – Derwent Region Transmission Nodes

Zone Substation	Distribution connection voltage	TNI
Arthurs Lake	22kV	TAL2
Bridgewater	11kV	TBW2
Derwent Bridge	22kV	TDB2
Meadowbank	22kV	TMB2
New Norfolk	22kV	TNN2
Tungatinah	22kV	TTU2
Waddamana	22kV	TWA2
Wayatinah	22kV	TWY2

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:

AER

Vani Rao	Australian Energy Regulator	03 9290 1430
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