

# DISTRIBUTION LOSS FACTORS FOR THE 2010 / 2011 FINANCIAL YEAR

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## Version Control

VERSION	DATE	DETAILS
1	01/04/2010	Posted on the AEMO website in accordance with clause 3.6.3(i) of the National Electricity Rules.
2	24/06/2010	Assigned DLF CODE J886 to NMI 4103770085 and J887 to NMI 4130770084 in table C7. Amended DLF CODE against NMI 3120041782 to FAPL (previous F3CL) and against NMI QB03675025 to FPAH (previous F1CH) in table A2. Amended DLF CODE against NMI 4310951391 to HNC1 (previous HNVL) in Table C2. Updated 2009/10 DLF values for Tariff codes EA225 and EA305 to 1.0638 in Table C6. Assigned DLF CODE FQRS to New Connection (unassigned NMI with a value of 1.00028) in Table A2.
3	06/07/2010	Amended DLF Value for DLF code AH00 to 1.0284 in Table D1.
4	17/08/2010	Amended site specific details in Table A4 (NMI QDDD000001 replaced by 3051526883 and 3051526891; NMI QAAADY0000 replaced by 3051526841 and 3051526859; NMI QAAALV0003 replaced by 3051526867 and 3051526875). Revised disclaimer.

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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 2010/11

The Queensland DLFs for the 2010/11 financial year were approved by the AER and are tabulated in Appendix A.

The Victorian DLFs for the 2010/11 financial year were approved by the AER and are tabulated in Appendix B.

The NSW DLFs for the 2010/11 financial year were approved by the AER and are tabulated in Appendix C.

The Australian Capital Territory DLFs for the 2010/11 financial year were approved by the AER and are tabulated in Appendix D.

The South Australian DLFs for the 2010/11 financial year were approved by the AER and are tabulated in Appendix E.

The Tasmanian DLFs for the 2010/11 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 2010/11

The AER has approved the following distribution loss factors for Queensland for the 2010/11 financial year.

**Table A1: Energex Average Distribution Loss Factors**

NETWORK LEVEL	DLF CODE	APPLIED IN 2009/10	TO APPLY IN 2010/11
110 kV connected	FSSS	1.0047	1.0058
33 kV connected	F3CL	1.0147	1.0173
11 kV bus connected	F1ZH	1.0201	1.0230
11 kV line connected	F1CH	1.0287	1.0314
LV bus connected	F1CL	1.0463	1.0492
LV line connected	FLCL	1.0701	1.0709

**Table A2: Energex Distribution Loss Factors for Individually Calculated Customers/ Gens**

NMI	DLF CODE	APPLIED IN 2009/10	TO APPLY IN 2010/11
3120041782	FAPL	N/A	1.01188
QB02572591	FAPM	1.02307	1.02371
QB03674681	FCAL	1.01224	1.00962
QB03675327	FICT	1.01945	1.01054
QB00703630	FBCC	1.01551	1.01525
QB13786415	FBOC	1.02265	1.01888
QB07156049	FBAC	1.03200	1.03121
3116941403	FAPB	1.01954	1.02414
3120007259	FLMD	1.02020	1.02163
QB03187888	FQCL	1.03849	1.04548
QB00011835	FCRL	1.06753	1.03396
QB03674151	FRBH	1.01049	1.00945
QB03674177	FQG	1.02225	1.01745
QB09709916	FQBH	1.00083	1.00117
QB09750568	FQB	1.00517	1.00000
QB05850851	FQBW	1.00179	1.00000
QB07417373	FQCB	1.00040	1.00053
QB03187390	FQC	1.00027	1.00002
QB07480580	FQL	1.00048	1.00061
QB12757888	FQR	1.00022	1.00096
New connection	FQRS	N/A	1.00028
QB08485399	FQT	1.00006	1.00000
3117476607	FQW	1.00097	1.00005
QB03675025	FPAH	N/A	1.00959
3120001083	FRAF	1.03895	1.00222
QMRGW00156	FSWP	1.01127	1.00987
QB09455507	FSC	1.00971	1.01927
QB07047011	FSTC	1.01772	1.01254
QB08144664	FACI	1.05577	1.07962
3117267111	FTD	1.01386	1.00822
3116852575	FUQ1	1.00968	1.00688
3116852583	FUQ2	1.01229	1.00627
QB12021814	FVP	1.00679	1.01134
QB10995285	FHPR	1.16755	1.15299
QB14097800	FRPT	1.00125	1.00066

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

NETWORK LEVEL	DLF APPLIED IN 2009/10			DLF TO APPLY IN 2010/11		
	East	West	MI	East	West	MI
Sub-Trans. Bus	1.009	1.012	1.001	1.008	1.006	1.000
Sub-Trans. Line	1.021	1.068	1.006	1.018	1.062	1.006
22/11kV Bus	1.022	1.077	1.010	1.019	1.068	1.009
22/11kV Line	1.042	1.119	1.039	1.034	1.109	1.038
LV Bus	1.075	1.162	1.058	1.068	1.147	1.058
LV Line	1.084	1.262	1.083	1.069	1.251	1.180

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	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
QDDD000005	GBSB	1.000	1.000
QAAALV0001	GBSB	1.000	1.000
QAAAMR0000	GBSB	1.000	1.000
QDDD000019	GS23	1.023	1.025
QDDD000002	GBSB	1.000	1.000
QDDD000004	GS22	1.008	1.008
QAAABW0000	GBSB	1.000	1.000
QAAABW0002	GS02	1.009	1.007
QDDD000026	GS24	1.009	1.008
QDDD000027	GS44	1.003	1.006
QDDD003345	GS77	1.004	1.022
QCCC000004	GS19	1.054	1.056
QCCC001004	GS60	1.043	1.048
QCCC000014	GS73	1.003	1.005
QCCC000002	GS18	1.003	1.003
QWAGW00033	GS66	1.011	1.009
QWAGW00066	GS65	1.011	1.009
QAAABW0001	GS51	1.003	1.003
QDDD000003	GS21	1.003	1.003
QAAALV0000	GBSB	1.000	1.000
QGGG000394	GS40	1.143	1.178
QAAABX0014	GS69	1.007	1.007
QEMS000001	GS64	1.011	1.014

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
QAAALV0002	GBSB	1.000	1.000
QDDD003336	GS50	1.015	1.017
QCCC000003	GBSB	1.000	1.000
QAAALV0004	GBSB	1.000	1.000
QAAABX0012	GS70	1.001	1.001
QAAABX0002	GS06	1.014	1.013
QNGYW00172	GBSB	1.000	1.000
QAAARG0000	GS14	1.004	1.004
QGGG000032	GS33	1.003	1.003
QGNNG000103	GS41	1.001	1.001
QGGG000033	GS34	1.000	1.000
QCCC700300	GBSB	1.000	1.000
QAAAMR0001	GS13	1.002	1.003
QAAABW0042	GS63	1.036	1.037
QAAABW0041	GS62	1.015	1.015
QAAALX0000	GS12	1.002	1.021
QGGG000000	GBSB	1.000	1.000
QAAABL0000	GBSB	1.000	1.000
3051526883	GBSB	1.000	1.000
3051526891	GBSB	1.000	1.000
QAAABX0001	GS05	1.008	1.008
3051526841	GBSB	1.000	1.000
3051526859	GBSB	1.000	1.000
3051526867	GBSB	1.000	1.000
3051526875	GBSB	1.000	1.000



**Table A5 Ergon Energy Distribution Loss Factors – Embedded Generators**

NMI	DLF CODE	DLF APPLIED 2009/10	DLF TO APPLY 2010/11
QEEE000547	GS26	0.996	0.996
QEEE000026	GS55	0.978	0.979
QCQPW00076	GS49	0.889	0.962
QFFF000010	GS29	0.974	0.979
QFFF00000Z	GS30	0.974	0.979
QCCC001041/3	GS67	0.976	0.973
QDDD003206	GS71	0.996	0.997
QDDD003340	GBSB	1	1.000
QCCC001036	GS56	0.983	0.987
QMKYW00147	GBSB	1	1.000
QGGG000418	GS74	1	1.001
3051393689	GS76	0.922	0.921
QEEE000050	GS79	0.971	0.983
3050922955	GS78	0.931	0.994
3050922963	GS78	0.931	0.994

**Table A6: Oaky Creek Network – Embedded Generation**

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
7102000028	XOCN	0.9993	0.9989

**Table A7: Capcoal Network – Embedded Generation**

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
7102000033	XCCN	0.9951	0.9938

**Table A8: Moranbah North Coal Network – Embedded Generation**

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
7102000038	XMCN	0.9827	0.9876

## Appendix B: Victoria Distribution Loss Factors for 2010/11

The AER has approved the following distribution loss factors for Victoria for the 2010/11 financial year.

**Table B1: Approved Network Average DLFs for the 2010/11 Financial Year**

DISTRIBUTORS	DISTRIBUTION LOSS FACTORS					
	Type	DLF A	DLF B	DLF C	DLF D	DLF E
Jemena	Short Sub-transmission	1.0054	1.0109	1.0272	1.0415	1.0479
	Long Sub-transmission	1.0233	1.0288	1.0451	1.0594	1.0659
CitiPower	Short sub-transmission	1.0033	1.0113	1.0166	1.0399	1.0451
Powercor	Short sub-transmission	1.0038	1.0105	1.0360	1.0620	1.0706
	Long sub-transmission	1.0348	1.0415	1.0670	1.0930	1.1016
SP AusNet	Short sub-transmission	1.0053	1.0136	1.0373	1.0602	1.0684
	Long sub-transmission	1.0376	1.0460	1.0697	1.0926	1.1007
United Energy	Short sub-transmission	1.0061	1.0139	1.0221	1.0490	1.0657
	Long sub-transmission	1.0298	1.0376	1.0458	1.0727	1.0894

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 2010/11**

DISTRIBUTOR	CUSTOMER NMI	DLF CODES	DLF TO APPLY IN 2010/11
<b>Jemena</b>	VDDD000495	CVPC	1.0085
	6001280255	CAPA	1.0056
	VDDD000244	CFMC	1.0117
	VDDD000134	CAGP	1.0137
	VDDD000136	CAFP	1.0031
<b>CitiPower</b>	VAAA000673	ESS4	1.0181
	VAAA000577	ESS3	1.0140
	VAAA000574	ESS2	1.0132
	VAAA000431	ESS1	1.0158
<b>Powercor</b>	VCCCAF0002	KAF1	1.0008
	VCCCAF0001	KAF	1.0081
	VCCDA0031	KDA2	1.0009
	VCCCGD0001	KGD	1.0009
	VCCCGJ0001	KGJ	1.0021
	VCCDA0022	KDA	1.0013
	VCCCRD0007	KRD	1.0095
	VCCDA0025	KDA1	1.0085
	VCCCAB0003	KAB	1.0183
	VCCCAD0001	KAD	1.0107
	6203764760	KGK	1.0084
	VCCCSE0004	KSE	1.0561
	VCCCGE0019	KGE	1.0093
	VCCBC0025	KBC	1.0289
	VCCCTE0002	KTE	1.0568
	VCCCSB0012	KSB	1.0564
<b>SP AusNet</b>	VBBB000073	LL02	1.0047
	VBBB000161	LL05	1.0081
	VBBB000058	LL01	1.0280
	VBBB000096	LL03	1.0614
	VBBB000097	LL04	1.0664
<b>United Energy</b>	VEEE0PD8AD	MC05	1.0143
	VEEE0TF39Q	MC06	1.0165
	VEEE0BG4Q3	MC02	1.0240
	VEEE0NDNEX	MC04	1.0246
	VEEE08KH3V	MC01	1.0092
	VEEE0C8AW1	MC03	1.0058

**Table B3: Approved DLFs for large embedded generators for 2010/11**

DISTRIBUTOR	GENERATOR	NMI	DLF CODES	DLF TO APPLY IN 2010/11
<b>Jemena</b>	Somerton Power Station	6001264751	CSOG	0.9864
<b>Powercor</b>	Codrington Windfarm	6203008781	KCF	1.0357
	Challicum Hills Windfarm	6203661632	KCH	1.0129
	Yambuk Windfarm	6203690629	KYW	1.0357
<b>SP AusNet</b>	Alinta No. 1 Generator at Bairnsdale	6305010110	LG03	1.0449
	Alinta No. 2 Generator at Bairnsdale	6305651897	LG03	1.0449
	Toora Windfarm	6305656070	LG02	1.0792
	Wonthaggi Windfarm	6305721689	LG07	1.0704
	Esso Longford Generator	VBBB002342	LG04	1.0693
	Clover Power Station 1	VMBTWZCLG1	LG05	0.9874
	Clover Power Station 2	VMBTWZCLG2	LG05	0.9874
<b>United Energy</b>	Rubicon Group of Generators	VTTSWZRUBX	LG06	1.0462
	Energy Developments Ltd Clayton Generator	6407649172	MG01	1.0134

## Appendix C: New South Wales Distribution Loss Factors for 2010/11

The AER has approved the following distribution loss factors for NSW for the 2010/11 financial year.

**Table C1: Integral Energy's DLFs for Tariff Classes**

TARIFF CLASS	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
132 kV Network	HNVL	1.0032	1.0032
Transmission Substation	HSTS	1.0080	1.0088
Subtransmission Network	HSTL	1.0154	1.0143
Zone Substation	HHVT	1.0174	1.0148
High Voltage Distribution Network	HHVL	1.0317	1.0305
Distribution Substation	HLVT	1.0605	1.0611
Low Voltage Network	HLVL	1.0827	1.0842

**Table C2: Integral Energy's DLFs for Embedded Generators**

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
NEEE000748	HTX2	1.00558	1.0001
NEEE000749	HTX3	0.9912	0.9994
NEEE000750	HTX4	1.0024	1.0010
4310951391	HNC1	N/A	1.0173

**Table C3: Integral Energy's DLFs for CRNP Customers**

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
NEEE000003*	HTX6	1.0154	1.0203
NEEE000005	HHY1	1.0177	1.0127
NEEE000006	HTY5	1.0325	1.0263
NEEE000014	HTY7	1.0210	1.0193
NEEE000032	HTY2	1.0074	1.0075
NEEE000046	HTV2	1.0033	1.0033
NEEE000049	HHV1	1.0061	1.0072
NEEE000066	HTY4	1.0315	1.0372
NEEE000506	HHY4	1.0154	1.0145
NEEE000707	HHY5	1.0549	1.0333
NEEE000758	HIC1	1.0398	1.0330

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
NEEE000759	HIC1	1.0398	1.0330
NEEE000760	HTV4	1.0148	1.0150
NEEE000762			
NEEE000764			
NEEE000766			
NEEE000768			
4311061116 (NEEE000770)# 4311061119 (NEEE000770)# 4311061121 (NEEE000771)# 4311061122 (NEEE000771)#			
NEEE000881^	HSTL	1.0154	1.0143
NEEE001591	HTX5	1.0171	1.0164
NEEE001596	HHY3	1.0185	1.0182
NEEE001632	HTY6	1.0323	1.0287
NEEE001656	HTV1	1.0050	1.0048
NEEE001814	HHY2	1.0083	1.0096
NEEE001885	HTY1	1.0091	1.0120
NEEE001892	HTX1	1.0169	1.0119
NEEE004637* NEEE004639*	HHY7	1.0174	1.0172
NEEEW00001 NEEEW00002	HTF1	1.0011	1.0007
NEEEW04150 NEEEW04151 NEEEW04152 NEEEW04153 NEEEW04154	HTF2	1.0083	1.0079
4310983756	HHY6	1.0216	1.0191
4310983779	HHY6	1.0216	1.0191

\* These customers fell outside of the requirements for the allocation of a NMI specific DLF for the 2009/10 year but based on the 2008/09 billing data meet the requirements for a NMI specific DLF for 2010/11.

# Due to technical reasons:

NMI NEEE000770 had to be replaced by a new NMI pair 4311061116 and 4311061119, effective 1 July 2010, 00.00h;

NMI NEE000771 had to be replaced by a new NMI pair 4311061121 and 4311061122, effective 1 July 2010, 00.00h

^ This customer satisfied the requirements for a NMI specific DLF for 2009/10 but based on the 2008/09 billing data was found to fall outside these requirements. A DLF code for General Use has been assigned appropriate for the voltage level of the supply point within the network.

**Table C4: Country Energy's Site Specific Approved 2010/11 DLFs**

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
NAAA00AC11	BS33	1.0934	1.0933
NAAA00AC14	BS34	1.0934	1.0933
NAAA00AD65	BS35	1.0157	1.0259
NTTTW0RU20	BS37	1.0000	1.0000
NAAANRAB50	BS38	1.0114	1.0122
NAAA00AC21	BS39	1.0211	1.0133
NAAANRAA01	BS41	1.1009	1.0933
NTTTW0W110	UNIT	1.0000	1.0000
4001151659	BS43	0.9790	0.9887
NFFFNRKU39	BS44	0.9927	0.9861
4001175717	BS45	1.0925	1.0816
4508034707	BS46	1.0550	1.0445
4001210762	BS48	0.9903	0.9994

**Table C5: Country Energy's General Approved 2010/11 DLFs**

CLASS OR NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
Low Voltage	BL0A, DLDL, DLD2, DLD6, DLGB, DLGD	1.0918	1.0996
LV & Metered at CE	BL5A	1.0483	1.0471
High Voltage Line	BH0A	1.0388	1.0376
High Voltage Substation	BH5A	1.0365	1.0261
Subtransmission	BS0A	1.0281	1.0179

**Table C6: Energy Australia's Approved 2010/11 DLFs for Tariff Classes**

TARIFF CODE	TARIFF CLASS	LOCATION	DLF FOR 2009/10	DLF FOR 2010/11	DLF CODE
EA010	LV Res non-TOU (Closed)	LV system	1.0669	1.0651	JLDL
EA025	LV Res <40 MWh (System)	LV system	1.0669	1.0554	JL40
EA030	Controlled Load 1	LV system	1.0669	1.0651	JL1L
EA040	Controlled Load 2	LV system	1.0669	1.0651	JL2L
EA050	LV Bus non-TOU (Closed)	LV system	1.0638	1.0576	JLSL
EA225	LV Bus <40 MWh (System)	LV system	1.0638	1.0576	JLSL
EA226	LV Bus <40 MWh (Substation)	LV substation	1.0464	1.0529	JLBL
EA302	LV 40-160 MWh (System)	LV system	1.0638	1.0576	JLSL
EA303	LV 40-160 MWh (Substation)	LV substation	1.0464	1.0529	JLBL
EA305	LV 160-750 MWh (System)	LV system	1.0638	1.0576	JLSL
EA306	LV 160-750 MWh (Substation)	LV substation	1.0464	1.0529	JLBL
EA310	LV >750 MWh (System)	LV system	1.0638	1.0576	JLSL
EA320	LV >750 MWh (Substation)	LV substation	1.0464	1.0529	JLBL
EA325	LV Connection (Standby Tariff)	LV system	1.0638	1.0576	JLSL
EA350	HV Connection (Standby Tariff)	HV system	1.0314	1.0346	JHSH
EA370	HV Connection (System)	HV system	1.0314	1.0346	JHSH
EA380	HV Connection (Substation)	HV substation	1.0194	1.0180	JHBH
EA390	ST Connection	ST System	1.0166	1.0119	JSSS
EA401	Public Lighting	LV system	1.1068	1.0883	JLSP
EA402	Constant Unmetered	LV system	1.0638	1.0631	JLSU
EA403	EnergyLight	LV system	1.1068	1.0883	JLSP



**Table C7: Energy Australia's Approved 2010/11 DLFs for CRNP Customers**

NMI	LOCATION	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/2011	DLF CODE
NCCC002564	33 kV system	1.0019	1.0015	J550
NCCCNREA06	33/11 kV substations	1.0232	1.0217	J660
NCCCZ01384	33/11 kV substations	1.0130	1.0118	J731
NCCCZ01085	33/11 kV substations	1.0128	1.0122	J732
NCCCWRNY60	66 kV transmission	1.0000	1.0000	JKUR
NCCCWRNZ00	33 kV system	1.0597	1.0585	JPAT
NCCCWRNY80	33 kV system	1.0245	1.0250	JASH
4103748279	132 kV system	1.0314	1.0015	J885
4103507254	33 kV system	1.0017	1.0013	JGLB
4103507266	33 kV system	1.0017	1.0013	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	1.0596	1.0296	J881
NCCCZ01252	33 kV system	1.0816	1.0350	J882
4102016227	33 kV transmission	1.0000	1.0000	JTOL
4102016252	33 kV transmission	1.0000	1.0000	JTOL
NCCCNRZ1V6	33 kV system	1.0244	1.0279	J720
4103555166	33 kV system	1.0244	1.0157	J721
4103770084	132 kV transmission	1.0000	1.0000	J887
4103770085	132 kV transmission	1.0000	1.0000	J886
NCCCZ01381	33 kV transmission	1.0002	1.0000	J800
NCCCZ01253	33 kV system	1.0376	1.0349	J700
NCCCNRZ1BK	132/33 kV substations	1.0054	1.0051	J635
4103686298	66 kV system	1.0166	1.0119	JSSS
NCCCX00745	33 kV transmission	1.0048	1.0000	J640
NCCCX00746	33 kV transmission	1.0048	1.0000	J640
NCCCX00747	33 kV transmission	1.0048	1.0000	J640
4103507347	132/33 kV substations	1.0166	1.0188	J601
NCCCNRZ1BM	132 kV system	1.0016	1.0019	J580
NCCCX00331	132/66 kV substations	1.0087	1.0068	J590
NCCCX00332	132/66 kV substations	1.0087	1.0068	J590
NCCCNRZZB0	132/33 kV substations	1.0088	1.0067	J610
NCCCX00750	33 kV transmission	1.0018	1.0000	J620
NCCCX00751	33 kV transmission	1.0018	1.0000	J620
NCCCX00752	33 kV transmission	1.0018	1.0000	J620
NCCCX00753	33 kV transmission	1.0018	1.0000	J620
NCCC007211	33 kV system	1.0068	1.0077	J605
NCCCNRZ1BQ	33 kV transmission	1.0214	1.0000	J655
NCCCX00283	132/33 kV substations	1.0034	1.0027	J630
NCCCX00284	132/33 kV substations	1.0034	1.0027	J630
NCCCX00748	132/33 kV substations	1.0251	1.0224	J615
NCCCX00749	132/33 kV substations	1.0251	1.0224	J615

NMI	LOCATION	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/2011	DLF CODE
NCCCNRZ1BT	132/33 kV substations	1.0115	1.0105	J645
NCCCX00293	132/33 kV substations	1.0087	1.0054	J600
NCCCX00294	132/33 kV substations	1.0087	1.0054	J600
NCCC002902	66 kV system	1.0099	1.0098	JK23
NCCC002221	66 kV system	1.0103	1.0090	J500
NCCCZ01275	132/33 kV substations	1.0070	1.0074	J560
NCCCNREEK2	33 kV system	1.0076	1.0063	J541
4102030738	33 kV system	1.0076	1.0066	J543
4103628537	33 kV system	1.0076	1.0066	J543
NCCCNRCS90	HV system	1.0104	1.0092	J670
NCCCNRZ1XJ	66 kV system	1.0204	1.0171	J680

**Table C8: Energy Australia's DLF's for Embedded Generators.**

NMI	LOCATION	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/2011	DLF CODE
NCCC007498	33 kV system	1.0166	1.0112	JGEN
NCCCNRGB10	HV system	1.0194	1.0358	JK24
4103666631	33 kV system	1.0166	1.0112	JGEN
NCCCZBLH02	33 kV system	1.0166	1.0112	JGEN
NCCCNRME10	33 kV system	1.0166	1.0112	JGEN
NCCC007441	132 kV system	1.0037	1.0012	JRED

**Table C9: One Steel Embedded Network**

NMI	LOCATION	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
7102000008,7102000009,7102000010.	11 kV	XON2	1.01162	1.02709

## Appendix D: ACT Distribution Loss Factors for 2010/11

The AER has approved the following distribution loss factors for the ACT for the 2010/11 financial year.

**Table D1: ActewAGL Distribution's Approved 2010/11 DLFs**

CONNECTION	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
Low Voltage	AL00	1.0478	1.0488
High Voltage	AH00	1.0274	1.0284

## Appendix E: South Australia Distribution Loss Factors for 2010/11

The AER has approved the following distribution loss factors for South Australia for the 2010/11 financial year.

**Table E1: Distribution Connection Point Class Distribution Loss Factors**

CLASS	TARIFF	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
Low Voltage	Unmetered	NLV2	1.0740	1.0814
	Residential	NLV2	1.0740	1.0814
	Controlled Load	NLV2	1.0740	1.0814
	Business Single Rate	NLV2	1.0740	1.0814
	Business Two Rate	NLV2	1.0740	1.0814
Low Voltage T/F	Medium LV	NLV1	1.0591	1.0650
	Demand	NLV1	1.0591	1.0650
	LV Demand	NLV1	1.0591	1.0650
HV	Large LV Demand	NHV1	1.0353	1.0388
Substation	HV	NZS1	1.0164	1.0180

**Table E2: Site Specific Distribution Loss Factors**

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
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	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
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 2009/10	DLF TO APPLY IN 2010/11
2102000201	XRAG	1.002	1.0028
2102000202	XRAG	1.002	1.0028

**Table E5: Oz Minerals Prominent Hill/Olympic Dam**

NMI	DLF CODE	DLF APPLIED IN 2009/10	DLF TO APPLY IN 2010/11
2102000001	XOX1	1.056	1.056

## Appendix F: Tasmania Distribution Loss Factors for 2010/11

The AER has approved the following distribution loss factors for Tasmania for the 2010/11 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 F1: 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	1.0036	1.0036
Zone Substation	Hobart	PHZN	1.0018	1.0055
HV Distribution Network	Hobart	PHHV	1.0104	1.0159
Distribution Substation	Hobart	PHDS	1.0162	1.0324
LV Distribution Network	Hobart	PHLV	1.0313	1.0647

**Table F2: 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	1.0099	1.0099
Distribution Substation	Tamar	PTDS	1.0168	1.0269
LV Distribution Network	Tamar	PTLV	1.0313	1.0590

**Table F3: 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	1.0200	1.0200
Distribution Substation	East Coast	PEDS	1.0319	1.0526
LV Distribution Network	East Coast	PELV	1.0313	1.0856

**Table F4: 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	1.0138	1.0138
Distribution Substation	North West	PND5	1.0228	1.0369
LV Distribution Network	North West	PNLV	1.0313	1.0694

**Table F5: 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	1.0151	1.0151
Distribution Substation	Derwent	PDDS	1.0238	1.0393
LV Distribution Network	Derwent	PDLV	1.0313	1.0719

**Table F6: 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	1.0177	1.0177
Distribution Substation	Southern	PSDS	1.0281	1.0462
LV Distribution Network	Southern	PSLV	1.0313	1.0790

**Table F7: 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	1.0069	1.0069
Zone Substation	West Coast	PWZN	1.0000	1.0069
HV Distribution Network	West Coast	PWHV	1.0061	1.0130
Distribution Substation	West Coast	PWDS	1.0216	1.0349
LV Distribution Network	West Coast	PWLV	1.0313	1.0673

**Table F8: Site Specific DLFs**

NMI	Region	DLF Code	DLF
8000000656	North West	PSPU	1.0034
8000003578*	West Coast	PBSM	1.0058
8000003585	North West	PACH	1.0000
8000003691	Tamar	PBGM	1.0168
8000003868	West Coast	PHGM	1.0000

\* Existing mining complex currently in maintenance / limited production

**Table F9: 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 F10: 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 F11: Southern Region Transmission Nodes**

Zone Substation	Distribution Connection Voltage	TNI
Electrona	11kV	TEL2
Kermandie	11kV	TKE2
Kingston	11kV	TKI2
Knights Road	11kV	TKR2

**Table F12: East Coast Region Transmission Nodes**

Zone Substation	Distribution Connection Voltage	TNI
Avoca	22kV	TAV2
Derby	22kV	TDE2



Zone Substation	Distribution Connection Voltage	TNI
Scottsdale	22kV	TSD2
Sorell	22kV	TSO2
St Marys	22kV	TSM2
Triabunna	22kV	TTB2

**Table F13: 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 F14: 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 F15: 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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