

# DISTRIBUTION LOSS FACTORS FOR THE 2012 / 2013 FINANCIAL YEAR

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## Version Control

VERSION	DATE	DETAILS
1.0	30/03/2012	Posted on the AEMO website in accordance with clause 3.6.3(i) of the National Electricity Rules.
2.0	13/09/2012	Updated to reflect corrected value for DLF code HTY3, approved by AER for site specific NMI's 4311061116, 4311061119, 4311061121, and 4311061122 in Endeavour Energy's distribution network (Table C3).

## Table of Contents

<b>RULES REQUIREMENTS</b>	<b>4</b>
<b>DISTRIBUTION LOSS FACTORS FOR 2012/13</b>	<b>4</b>
<b>APPENDIX A: QUEENSLAND DISTRIBUTION LOSS FACTORS FOR 2012/13</b>	<b>5</b>
<b>APPENDIX B: VICTORIA DISTRIBUTION LOSS FACTORS FOR 2012/13</b>	<b>9</b>
<b>APPENDIX C: NEW SOUTH WALES DISTRIBUTION LOSS FACTORS FOR 2012/13</b>	<b>12</b>
<b>APPENDIX D: ACT DISTRIBUTION LOSS FACTORS FOR 2012/13</b>	<b>18</b>
<b>APPENDIX E: SOUTH AUSTRALIA DISTRIBUTION LOSS FACTORS FOR 2012/13</b>	<b>19</b>
<b>APPENDIX F: TASMANIA DISTRIBUTION LOSS FACTORS FOR 2012/13</b>	<b>21</b>
<b>APPENDIX G: DISTRIBUTION LOSS FACTOR - CONTACTS</b>	<b>24</b>

## 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 2012/13

The Queensland DLFs for the 2012/13 financial year were approved by the AER and are tabulated in Appendix A.

The Victorian DLFs for the 2012/13 financial year were approved by the AER and are tabulated in Appendix B.

The NSW DLFs for the 2012/13 financial year were approved by the AER and are tabulated in Appendix C.

The Australian Capital Territory DLFs for the 2012/13 financial year were approved by the AER and are tabulated in Appendix D.

The South Australian DLFs for the 2012/13 financial year were approved by the AER and are tabulated in Appendix E.

The Tasmanian DLFs for the 2012/13 financial year were approved by the AER and 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 2012/13

The AER has approved the following distribution loss factors for Queensland for the 2012/13 financial year.

**Table A1: Energex's Average DLFs**

NETWORK LEVEL	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
110 kV connected	FSSS	1.0060	1.0061
33 kV connected	F3CL	1.0178	1.0181
11 kV bus connected	F1ZH	1.0236	1.0239
11 kV line connected	F1CH	1.0321	1.0325
LV bus connected	F1CL	1.0466	1.0463
LV line connected	FLCL	1.0642	1.0630

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

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
QB02572591	FAPM	1.01352	1.01460
QB03674681	FCAL	1.00788	1.00928
QB03675327	FICT	1.00797	1.00781
QB00703630	FBCC	1.01300	1.01381
QB13708848	FBEP	1.01030	1.00521
QB13786415	FBOC	1.01443	1.01474
QB07156049	FBAC	1.02223	1.01757
3116941403	FAPB	1.01588	1.00685
3120007259	FLMD	1.01637	1.01372
QB03187888	FQCL	1.03437	1.03448
QB00011835	FCRL	1.04038	1.04175
QB03674151	FRBH	1.01300	1.00892
QB03674177	FQG	1.01403	1.01473
QB09709916	FQBH	1.00026	1.00000
QB09750568	FQB	1.00404	1.00202
QB05850851	FQBW	1.00155	1.00042
QB07417373	FQCB	1.00051	1.00075
QB03187390	FQC	1.00307	1.00005
QB07480580	FQL	1.00087	1.00036
QB12757888	FQR	1.00028	1.00022
3120090363	FQRS	1.00024	1.00088
QB08485399	FQT	1.00137	1.00111
3117476607	FQW	1.00055	1.00058
QB03675025	FPAH	1.00944	1.00881
3120001083	FRAF	1.00235	1.00802

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
QMRGW00156	FSWP	1.00805	1.00939
QB09455507	FSC	1.01720	1.01098
QB07047011	FSTC	1.01026	1.01157
QB00702307	FSFT	1.03596	1.03881
QB08144664	FACI	1.06611	1.06573
3117267111	FTD	1.00937	1.00682
3116852575	FUQ1	1.00766	1.00650
3116852583	FUQ2	1.00716	1.00620
QB12021814	FVP	1.00689	1.00996
QB14097800	FRPT	1.01002	1.01047

**Table A3: Ergon Energy's Tariff Class DLFs**

NETWORK LEVEL	DLF APPLIED IN 2011/12			DLF TO APPLY IN 2012/13		
	East	West	MI	East	West	MI
Sub-Trans. Bus	1.007	1.019	1.001	1.007	1.044	1.001
Sub-Trans. Line	1.018	1.072	1.007	1.016	1.091	1.005
22/11kV Bus	1.019	1.077	1.010	1.018	1.097	1.008
22/11kV Line	1.038	1.118	1.038	1.038	1.133	1.036
LV Bus	1.070	1.157	1.057	1.077	1.185	1.057
LV Line	1.072	1.302	1.073	1.078	1.357	1.079

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 2011/12	DLF TO APPLY IN 2012/13
QDDD000005	GBSB	1.000	1.000
QAAALV0001	GBSB	1.000	1.000
QAAAMR0000	GBSB	1.000	1.000
QDDD000002	GBSB	1.000	1.000
QDDD000004	GS22	1.005	1.017
QAAABW0000	GBSB	1.000	1.000
QAAABW0002	GS02	1.000	1.005
3051526875	GBSB	1.000	1.000
3051526867	GBSB	1.000	1.000
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	1.010	1.007
QCCC000004	GS19	1.044	1.054
QCCC001004	GS60	1.044	1.046
QCCC000014	GS73	1.001	1.001
QCCC000002	GS18	1.003	1.004
QWAGW00033	GS66	1.010	1.010
QWAGW00066	GS65	1.010	1.010
QAAABW0001	GS51	1.005	1.003
QDDD000003	GS21	1.002	1.002
QAAALV0000	GBSB	1.000	1.000
QGGG000394	GS40	1.154	1.151
QAAABX0014	GS69	1.007	1.007
QEMS000001	GS64	1.009	1.008
QAAALV0002	GBSB	1.000	1.000
QCCC000003	GBSB	1.000	1.000
QAAALV0004	GBSB	1.000	1.000
QAAABX0012	GS70	1.001	1.001
QAAABX0002	GS06	1.013	1.012
QAAARG0000	GS14	1.004	1.006
QCCC700300	GBSB	1.000	1.000
QAAAMR0001	GS13	1.000	1.005
QAAABW0042	GS63	1.033	1.034
QAAABW0041	GS62	1.015	1.016
QAAALX0000	GS12	1.014	1.015
QAAABL0000	GBSB	1.000	1.000
QAAABX0001	GS05	1.008	1.008



**Table A5: Ergon Energy's DLFs Embedded Generators**

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
QEEE000547	GS26	0.997	0.996
QEEE000026	GS55	0.977	0.982
QCQPW00076	GS49	0.956	0.894
QFFF000010	GS29	0.958	0.973
QFFF00000Z	GS30	0.958	0.973
QCCC001041	GS67	0.973	0.974
QDDD003206	GS71	0.999	0.999
QDDD003340	GBSB	1	1
QCCC001036	GS56	0.987	0.989
QMKYW00147	GBSB	1	1
QGGG000418	GS74	1.002	1.005
3051393689	GS76	0.95	0.929
QEEE000050	GS79	0.98	0.991
3051745577	GS80	-	0.989
3051532166	GS81	-	0.986

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

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
7102000028	XOCN	0.9871	0.9854

**Table A7: Capcoal Network's Embedded Generation DLF**

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
7102000033	XCCN	1.0019	0.9956

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

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
7102000038	XMCN	0.9888	0.9969

## Appendix B: Victoria Distribution Loss Factors for 2012/13

The AER has approved the following distribution loss factors for Victoria for the 2012/13 financial year.

**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	1.0058	1.0113	1.0260	1.0382	1.0448
	Long Sub-transmission	1.0247	1.0302	1.0449	1.0571	1.0637
CitiPower	Short sub-transmission	1.0040	1.0122	1.0152	1.0370	1.0418
Powercor	Short sub-transmission	1.0044	1.0108	1.0372	1.0633	1.0715
	Long sub-transmission	1.0323	1.0387	1.0651	1.0912	1.0994
SP AusNet	Short sub-transmission	1.0050	1.0137	1.0364	1.0619	1.0690
	Long sub-transmission	1.0287	1.0374	1.0602	1.0856	1.0927
United Energy	Short sub-transmission	1.0055	1.0120	1.0193	1.0403	1.0549
	Long sub-transmission	1.0222	1.0287	1.0360	1.0570	1.0716

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**

DISTRIBUTOR	CUSTOMER NMI	DLF CODES	DLF TO APPLY IN 2012/13
<b>Jemena</b>	VDDD000495	CVPC	1.0101
	6001280255	CAPA	1.0058
	VDDD000244	CFMC	1.0113
	VDDD000134	CAGP	1.0133
	VDDD000136	CAFP	1.0028
<b>CitiPower</b>	VAAA000431	ESS1	Reverts to general 'C'
	VAAA000673	ESS4	1.0184
<b>Powercor</b>	VCCCAF0002	KAF1	1.0007
	VCCCAF0001	KAF	1.0067
	VCCDA0031	KDA2	1.0010
	VCCCGD0001	KGD	1.0009
	VCCCGJ0001	KGJ	1.0020
	VCCDA0022	KDA	1.0013
	VCCCRD0007	KRD	1.0106
	6203803617	KBN	1.0113
	6203764760	KGK	1.0086
	VCCDA0025	KDA1	1.0087
	VCCAB0003	KAB	1.0162
	VCCAD0001	KAD	1.0121
	VCCSE0004	KSE	1.0561
	VCCGE0019	KGE	1.0088
	VCCBC0025	KBC	1.0342
	VCCCTE0002	KTE	1.0532
	VCCSB0012	KSB	1.0568
	VCCCLD0024	KLD	1.0098
	VCCCBF0010	KBF	Reverts to general 'C' long
<b>SP AusNet</b>	VBBB000073	LL02	1.0034
	VBBB000161	LL05	1.0083
	VBBB000058	LL01	1.0224
	VBBB000096	LL03	1.0485
<b>United Energy</b>	VEEE0PD8AD	MC05	1.0116
	VEEE0TF39Q	MC06	1.0135
	VEEE0BG4Q3	MC02	1.0195
	VEEE0NDNEX	MC04	1.0278
	VEEE08KH3V	MC01	1.0084
	VEEE0C8AW1	MC03	1.0066
	VEEE0ATYTH	MC07	1.0218

**Table B3: Approved DLFs for large embedded generators**

DISTRIBUTOR	GENERATOR	NMI	DLF CODES	DLF TO APPLY IN 2012/13
<b>Jemena</b>	Somerton Power Station	6001264751	CSOG	0.9923
<b>Powercor</b>	Challicum Hills Wind Farm	6203661632	KCH	0.9817
	Codrington Wind Farm	6203008782	KCF	1.0377
	Yambuk Wind Farm	6203690629	KYW	1.0377
	Oaklands Hill Wind Farm	6203811032	KOH	0.9342
<b>SP AusNet</b>	Alinta No. 1 Generator at Bairnsdale	6305010110	LG03	1.0622
	Alinta No. 2 Generator at Bairnsdale	6305651897	LG03	1.0622
	Toora Wind Farm	6305656070	LG02	1.0805
	Wonthaggi Wind Farm	6305721689	LG07	1.0735
	Esso Longford Generator	VBBB002342	LG04	1.0874
	Clover Power Station 1	VMBTWZCLG1	LG05	0.9899
	Clover Power Station 2	VMBTWZCLG2	LG05	0.9899
	Rubicon Group of Generators	VTTSWZRUBX	LG06	1.0368
<b>United Energy</b>	Energy Developments Ltd Clayton Generator	6407649172	MG01	1.0114

## Appendix C: New South Wales Distribution Loss Factors for 2012/13

The AER has approved the following distribution loss factors for NSW for the 2012/13 financial year.

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

TARIFF CLASS	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
132 kV Network	HNVL	1.0036	1.0034
Transmission Substation	HSTS	1.0092	1.0088
Subtransmission Network	HSTL	1.0149	1.0148
Zone Substation	HHVT	1.0159	1.0157
High Voltage Distribution Network	HHVL	1.0263	1.0274
Distribution Substation	HLVT	1.0585	1.0631
Low Voltage Network	HLVL	1.0803	1.0770

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

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
NEEE000748	HTX2	1.0008	0.9991
NEEE000749	HTX3	0.9954	0.9986
NEEE000750	HTX4	1.0004	1.0039
4310951391	HNC1	0.9982	0.9986

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

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
NEEE000003	HSTL	1.0198	1.0148
NEEE000005	HHY1	1.0120	1.0119
NEEE000006	HTY5	1.0258	1.0255
NEEE000014	HTY7	1.0142	1.0166
NEEE000032	HTY2	1.0079	1.0079
NEEE000046	HTV2	1.0026	1.0027
NEEE000049	HHV1	1.0080	1.0078
NEEE000066	HTY4	1.0377	1.0354
NEEE000506	HHY4	1.0090	1.0125

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
NEEE000707	HHY5	1.0341	1.0329
NEEE000758 NEEE000759	HIC1	1.0331	1.0334
NEEE000760 NEEE000762 NEEE000764 NEEE000766 NEEE000768	HTV4	1.0143	1.0149
4311061116 4311061119 4311061121 4311061122	HTY3	1.0089	1.0089
NEEE000881	HSTL	1.0149	1.0148
NEEE001591	HTX5	1.0050	1.0083
4311028276 4311028297	HHY3	1.0020	1.0160
NEEE001632	HTY6	1.0295	1.0286
NEEE001656	HTV1	1.0048	1.0048
4311021596 4311021597	HHY2	1.0103	1.0179
NEEE001892	HTX1	1.0087	1.0111
NEEE004637 NEEE004639	HHVT	1.0161	1.0157
NEEEW00001 NEEEW00002	HTF1	1.0011	1.0010
NEEEW04150 NEEEW04151 NEEEW04152 NEEEW04153 NEEEW04154	HTF2	1.0088	1.0091
4310983756 4310983779	HHVL	1.0204	1.0274
NEEE005219	HTX8	1.0149	1.0116
NEEE000934	HTX9	1.0149	1.0085
NEEE000013	HTX7	1.0149	1.0046

**Table C4: Essential Energy's Site Specific DLFs**

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
NAAA00AC11	BS33	1.1027	1.1503
4001161869	BS32	1.1357	1.1626
4001227465	BS35	1.0208	1.0231
4001224331	BS35	-	1.0231
NTTTW0RU20	UNIT	1.0000	1.0000
NAAANRAB50	BS38	1.0120	1.0193
NAAA00AB64	BS40	-	1.1025
NAAA00AC21	BS39	1.0215	1.0179
NAAANRAA01	BS41	1.1027	1.1293
NAAANRAA02	BS51	-	1.0233
NTTTW0W110	UNIT	1.0000	1.0000
4001151659	BS43	1.0017	0.9991
NFFFNRKU39	BS44	0.9960	0.9976
4001175717	BS45	1.0708	1.0813
4508034707	BS46	1.0341	1.0499
4001223403	BS52	-	1.0525
4001210762	BS48	0.9894	0.9872
4001231908	BS50	0.9871	0.9859
4001193201	BS02	0.9626	0.9761
4001185251	BS03	0.9999	1.0134
4508000221	BS53	-	1.0087

**Table C5: Essential Energy's General DLFs**

CLASS OR NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
Low Voltage	BL0A, DLDL, DLD2, DLD6, DLGB, DLGD	1.0941	1.0996
LV & Metered at CE	BL5A	1.0532	1.0492
High Voltage Line	BH0A	1.0480	1.0440
High Voltage Substation	BH5A	1.0257	1.0164
Sub-transmission	BS0A	1.0232	1.0139

**Table C6: Ausgrid's DLFs for Tariff Classes**

TARIFF CODE	TARIFF CLASS	LOCATION	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13	DLF CODE
EA010	LV Res non-TOU (Closed)	LV system	1.0635	1.0643	JLDL
EA025	LV Res <40 MWh (System)	LV system	1.0540	1.0555	JL40
EA030	Controlled Load 1	LV system	1.0635	1.0643	JL1L
EA040	Controlled Load 2	LV system	1.0635	1.0643	JL2L
EA050	LV Bus non-TOU (Closed)	LV system	1.0555	1.0565	JLSL
EA225	LV Bus <40 MWh (System)	LV system	1.0555	1.0565	JLSL
EA301	LV 40-160 MWh (Transition)	LV system	1.0555	1.0565	JLSL
EA302	LV 40-160 MWh (System)	LV system	1.0555	1.0565	JLSL
EA305	LV 160-750 MWh (System)	LV system	1.0555	1.0565	JLSL
EA310	LV >750 MWh (System)	LV system	1.0555	1.0565	JLSL
EA325	LV Connection (Standby Tariff)	LV system	1.0555	1.0565	JLSL
EA360	HV Connection (Standby Tariff)	HV system	1.0358	1.0351	JHSH
EA370	HV Connection (System)	HV system	1.0358	1.0351	JHSH
EA380	HV Connection (Substation)	HV substation	1.0185	1.0183	JHBH
EA390	ST Connection	ST System	1.0124	1.0123	JSSS
EA401	Public Lighting	LV system	1.0839	1.0858	JLSP
EA402	Constant Unmetered	LV system	1.0604	1.0615	JLSU
EA403	Energy-Light	LV system	1.0839	1.0858	JLSP



**Table C7: Ausgrid's DLFs for CRNP Customers**

NMI	LOCATION	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/2013	DLF CODE
4103736926	33 kV system	1.0015	1.0015	J550
4103736927	33 kV system	1.0015	1.0015	J550
NCCCNREA06	33/11 kV substations	1.0220	1.0222	J660
NCCCZ01384	33/11 kV substations	1.0120	1.0122	J731
NCCCZ01085	33/11 kV substations	1.0123	1.0128	J732
4103748279	132 kV system	1.0000	1.0000	J885
4103507254	33 kV system	1.0013	1.0013	JGLB
4103507266	33 kV system	1.0013	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	1.0316	1.0315	J881
4102016227	33 kV transmission	1.0000	1.0000	JTOL
4102016252	33 kV transmission	1.0000	1.0000	JTOL
4103770084	132 kV transmission	1.0000	1.0000	J887
4103770085	132 kV transmission	1.0000	1.0000	J886
NCCCZ01381	33 kV transmission	1.0000	1.0000	J800
4103769153	33 kV system	1.0386	1.0387	J700
4103769154	33 kV system	1.0386	1.0387	J700
NCCCNRZ1BK	132/33 kV substations	1.0050	1.0050	J635
4103686298	66 kV system	1.0124	1.0123	JSSS
NCCCX00745	33 kV transmission	1.0000	1.0000	J640
NCCCX00746	33 kV transmission	1.0000	1.0000	J640
NCCCX00747	33 kV transmission	1.0000	1.0000	J640
4103507347	132/33 kV substations	1.0048	1.0059	J601
NCCCNRZ1BM	132 kV system	1.0026	1.0019	J580
NCCCX00332	132/66 kV substations	1.0077	1.0076	J590
NCCCNRZZB0	132/33 kV substations	1.0058	1.0065	J610
NCCCX00750	33 kV transmission	1.0000	1.0000	J620
NCCCX00751	33 kV transmission	1.0000	1.0000	J620
NCCCX00752	33 kV transmission	1.0000	1.0000	J620
NCCCX00753	33 kV transmission	1.0000	1.0000	J620
NCCC007211	33 kV system	1.0072	1.0071	J605
NCCCNRZ1BQ	33 kV transmission	1.0000	1.0000	J655
NCCCX00283	132/33 kV substations	1.0028	1.0028	J630
NCCCX00284	132/33 kV substations	1.0028	1.0028	J630
NCCCX00748	132/33 kV substations	1.0287	1.0288	J615
NCCCX00749	132/33 kV substations	1.0287	1.0288	J615
NCCCNRZ1BT	132/33 kV substations	1.0132	1.0133	J645
NCCCX00293	132/33 kV substations	1.0060	1.0060	J600
NCCCX00294	132/33 kV substations	1.0060	1.0060	J600
NCCC002902	66 kV system	1.0109	1.0119	JK23
NCCC002221	66 kV system	1.0092	1.0103	J500

NMI	LOCATION	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/2013	DLF CODE
NCCCZ01275	132/33 kV substations	1.0066	1.0072	J560
NCCCNREEK2	33 kV system	1.0064	1.0066	J541
4102030738	33 kV system	1.0061	1.0064	J543
4103628537	33 kV system	1.0061	1.0064	J543
NCCCNRCS90	HV system	1.0092	1.0093	J670
NCCCNRZ1XJ	66 kV system	1.0174	1.0172	J680

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

NMI	LOCATION	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/2013	DLF CODE
NCCC007498	33 kV system	1.0115	1.0113	JGEN
NCCCNRGB10	HV system	1.0370	1.0363	JK24
4103666631	33 kV system	1.0115	1.0113	JGEN
4103648560	33 kV system	1.0115	1.0113	JGEN
NCCCNRME10	33 kV system	1.0115	1.0113	JGEN
NCCC007441	132 kV system	1.0012	1.0012	JRED

**Table C9: One Steel's Embedded Network DLFs**

NMI	LOCATION	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13	DLF CODE
7102000008, 7102000009, 7102000010	11 kV	1.02031	1.02222	XON2

## Appendix D: ACT Distribution Loss Factors for 2012/13

The AER has approved the following distribution loss factors for the ACT for the 2012/13 financial year.

**Table D1: ActewAGL's Distribution's DLFs**

CONNECTION	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
Low Voltage	AL00	1.0499	1.0508
High Voltage	AH00	1.0295	1.0304

## Appendix E: South Australia Distribution Loss Factors for 2012/13

The AER has approved the following distribution loss factors for South Australia for the 2012/13 financial year.

**Table E1: ETSA's Distribution Connection Point Class DLFs**

CLASS	TARIFF	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
Low Voltage	Unmetered	NLV2	1.0765	1.0800
	Residential	NLV2	1.0765	1.0800
	Controlled Load	NLV2	1.0765	1.0800
	Business Single Rate	NLV2	1.0765	1.0800
	Business Two Rate	NLV2	1.0765	1.0800
Low Voltage T/F	Medium LV	NLV1	1.0611	1.0639
	LV Demand	NLV1	1.0611	1.0639
	Large LV Demand	NLV1	1.0611	1.0639
HV	HV	NHV1	1.0365	1.0381
Substation	Substation	NZS1	1.0169	1.0177

**Table E2: ETSA's Site Specific DLFs**

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
2001000378	NBA1	1.0000	1.0000
2001000608	NAC2	1.0135	1.0110
2002112609	NKC4	1.0057	1.0050
2002133131	NGM2	1.0115	1.0100
2002213788	NHN1	1.0020	1.0020
2002213796	NHN2	1.0020	1.0020
2002216840	NDS1	1.0120	1.0070
2002217226	NDS2	1.0120	1.0070
SAAAAAA018	NPS1	1.0000	1.0000
SAAAAAA021	NPS3	1.0069	1.0070
SAAAAAA022	NGM1	1.0107	1.0120
SAAAAAA024	NAB1	1.0077	1.0060
SAAAAAA026	NAC1	1.0218	1.0210
SAAAAAA035	NGT1	1.0048	1.0040
SAAAAAA084	NOS1	1.0000	1.0000
SAAAAAA438	NIF1	1.0091	1.0100
SAAAAAB557	NOS2	1.0000	1.0000

**Table E3: ETSA's Embedded Generator DLFs**

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
2001000639	NCL1	1.0060	1.0090
2001000640	NCL1	1.0060	1.0090
2001000734	NSHW	1.0092	1.0090
2002220776	NSP1	-	1.0040
2002221495	NSP2	-	1.0040
2002108658	NCDW	0.9721	0.9730
2002108660	NAS1	0.9900	0.9970
2002108661	NAS2	0.9900	0.9970

**Table E4: Amcor Packaging Pty Ltd's - Amcor/Gawler DLFs**

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
2102000201	XRAG	1.002	1.0029
2102000202	XRAG	1.002	1.0029
2102000203	XRAG	1.002	1.0029

**Table E5: BHP Billiton's - Oz Minerals Prominent Hill/Olympic Dam DLF**

NMI	DLF CODE	DLF APPLIED IN 2011/12	DLF TO APPLY IN 2012/13
2102000001	XOX1	1.056	1.056

## Appendix F: Tasmania Distribution Loss Factors for 2012/13

The AER has approved the following distribution loss factors for Tasmania for the 2012/13 financial year.

Aurora Energy 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: Aurora Energy's Hobart Region DLFs**

Distribution Network Level	Region	DLF Code	Section DLF (Excluding Non-Technical Losses)	Cumulative DLF (Including Non-Technical Losses)
Subtransmission Network	Hobart	PHST	1.0033	1.0033
Zone Substation	Hobart	PHZN	1.0020	1.0052
HV Distribution Network	Hobart	PHHV	1.0082	1.0135
Distribution Substation	Hobart	PHDS	1.0159	1.0355
LV Distribution Network	Hobart	PHLV	1.0275	1.0639

**Table F2: Aurora Energy's Tamar Region (incorporating Launceston) DLFs**

Distribution Network Level	Region	DLF Code	Section DLF (Excluding 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	1.0083	1.0083
Distribution Substation	Tamar	PTDS	1.0176	1.0322
LV Distribution Network	Tamar	PTLV	1.0275	1.0605

**Table F3: Aurora Energy's East Coast Region DLFs**

Distribution Network Level	Region	DLF Code	Section DLF (Excluding 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	1.0182	1.0182
Distribution Substation	East Coast	PEDS	1.0359	1.0609
LV Distribution Network	East Coast	PELV	1.0275	1.0900

**Table F4: Aurora Energy's North West Region DLFs**

Distribution Network Level	Region	DLF Code	Section DLF (Excluding 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	1.0119	1.0119
Distribution Substation	North West	PNDS	1.0244	1.0437
LV Distribution Network	North West	PNLV	1.0275	1.0724

**Table F5: Aurora Energy's Derwent Region DLFs**

Distribution Network Level	Region	DLF Code	Section DLF (Excluding 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	1.0145	1.0145
Distribution Substation	Derwent	PDDS	1.0274	1.0482
LV Distribution Network	Derwent	PDLV	1.0280	1.0776

**Table F6: Aurora Energy's Southern Region DLFs**

Distribution Network Level	Region	DLF Code	Section DLF (Excluding 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	1.0157	1.0157
Distribution Substation	Southern	PSDS	1.0313	1.0532
LV Distribution Network	Southern	PSLV	1.0275	1.0821

**Table F7: Aurora Energy's West Coast Region DLFs**

Distribution Network Level	Region	DLF Code	Section DLF (Excluding Non-Technical Losses)	Cumulative DLF (Including Non-Technical Losses)
Subtransmission Network	West Coast	PWST	1.0022	1.0022
Zone Substation	West Coast	PWZN	1.0019	1.0041
HV Distribution Network	West Coast	PWHV	1.0018	1.0059
Distribution Substation	West Coast	PWDS	1.0212	1.0439
LV Distribution Network	West Coast	PWLV	1.0275	1.0726

**Table F8: Aurora Energy's Site Specific DLFs**

NMI	Region	DLF Code	DLF
8000000656	North West	PSPU	1.0034
8000003578	West Coast	PBSM	1.0094
8000003585	North West	PACH	1.0000
8000003691	Tamar	PBGM	1.0118
8000003868	West Coast	PHGM	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

ActewAGL Distribution	Janusz Worony, Manager Technical Regulation and Standards	02 6293 5871
Aurora Energy	Leigh Mayne	03 6270 3691
Ausgrid	Austin Gomes, Manager- Regulatory & Price Modelling	02 9269 2283
Endeavour Energy	Frank Nevill, Regulated Operations Manager	02 9853 6598
Energex	Mick Ryan, Regulatory Affairs Manager - Operations	07 3664 4125
Ergon Energy Corporation Limited	Manager Regulatory Affairs – Tariff Strategy	13 10 46
Essential Energy	Catherine Waddell, Group Manager Regulated Pricing and Analysis	02 6338 3553
ETSA Utilities	James Bennett, Manager Regulation	08 8404 5261
Jemena	Gabriel Wan, Manager Network Planning & Development	03 8544 9615
OneSteel Ltd	Gary Elsley, Lead Electrical Engineer	02 4935 4910
Powercor Australia Ltd and CitiPower Pty	Matthew Serpell, Manager Network Pricing	03 9683 4469
SP AusNet	Kate Jdanova, Senior Regulatory Analyst	03 9695 6630
United Energy Distribution	Rodney Bray, Network Planning Manager	03 8846 9745