



DISTRIBUTION LOSS FACTORS FOR THE 2020/21 FINANCIAL YEAR

PREPARED BY: Markets
PREPARED FOR: National Electricity Market
DOCUMENT NO: N/A
VERSION NO: 7.0
EFFECTIVE DATE: 1 July 2020

Version control

| Version | Date | Details |
|---------|------------|--|
| 1.1 | 27/03/2020 | Initial version for 2020/21 |
| 2.0 | 23/06/2020 | New DLF code - KAT - for PowerCor's NMI 6203824333 |
| 3.0 | 03/08/2020 | New DLF code - LG11 - SPA - Site Specific 6306034976 |
| 4.0 | 17/08/2020 | Ausgrid DLF factors for NCCCNRNP406, NCCCNRNP505 and NCCCWRNP604 |
| 5.0 | 29/09/2020 | Essential NMI 4001297032 (BS61) – DLF correction due to an administrative error. Previous DLF: 0.9958 Correct DLF: 1.0008 |
| 6.0 | 26/10/2020 | Addition of DLF for Warwick Solar Farm 1 (Allora Feeder) GA09 and Warwick Solar Farm 2 (Killarney Feeder) GA10 due to a revision of DLF calculations. New DLF for Winton Solar Farm (WISF) LG12 |
| 7.0 | 11/12/2020 | New DLF code – BS65 - Essential DLF factor for Jemalong Solar Farm NMI 4001322845. |

Contents

| | |
|--|----|
| Rules requirements | 5 |
| Distribution loss factors for 2020/21 | 5 |
| Appendix A: Queensland distribution loss factors for 2020/21 | 6 |
| Appendix B: Victoria distribution loss factors for 2020/21 | 13 |
| Appendix C: New South Wales distribution loss factors for 2020/21 | 17 |
| Appendix D: Australian Capital Territory distribution loss factors for 2020/21 | 26 |
| Appendix E: South Australia distribution loss factors for 2020/21 | 27 |
| Appendix F: Tasmania distribution loss factors for 2020/21 | 29 |
| Appendix G: Distribution loss factor – Contacts | 32 |

Tables

| | | |
|----------|---|----|
| Table 1 | Energex’s average DLFs | 6 |
| Table 2 | Energex’s DLFs for individually calculated customers/generators | 6 |
| Table 3 | Ergon Energy’s tariff class DLFs | 8 |
| Table 4 | Ergon Energy’s site-specific DLFs | 9 |
| Table 5 | Ergon Energy’s embedded generation DLFs | 10 |
| Table 6 | Oaky Creek Coal Network’s embedded generation DLFs | 11 |
| Table 7 | Capcoal Network’s embedded generation DLF | 12 |
| Table 8 | Moranbah North Coal Mine Network’s embedded generation DLF | 12 |
| Table 9 | Brisbane Airport embedded network DLF | 12 |
| Table 10 | Approved network average DLFs | 13 |
| Table 11 | Approved site-specific DLFs for large load customers | 14 |
| Table 12 | Approved DLFs for large embedded generators | 15 |
| Table 13 | Gannawarra generation network DLF | 16 |
| Table 14 | Endeavour Energy’s DLFs for tariff classes | 17 |
| Table 15 | Endeavour Energy’s DLFs for embedded generators | 17 |
| Table 16 | Endeavour Energy’s DLFs for CRNP Customers | 17 |
| Table 17 | Essential Energy’s site-specific DLFs | 19 |
| Table 18 | Essential Energy’s general DLFs | 20 |
| Table 19 | Ausgrid’s DLFs for tariff classes | 20 |
| Table 20 | Ausgrid’s DLFs for CRNP customers | 22 |
| Table 21 | Ausgrid’s DLF’s for embedded generators | 24 |
| Table 22 | One Steel’s embedded network DLFs | 25 |
| Table 23 | Evoenergy’s distribution DLFs | 26 |
| Table 24 | Evoenergy’s site-specific DLFs | 26 |
| Table 25 | SA Power Network’s distribution connection point class DLFs | 27 |
| Table 26 | SA Power Network’s site-specific DLFs | 27 |
| Table 27 | SA Power Network’s embedded generator DLFs | 28 |
| Table 28 | TasNetworks’ Hobart region DLFs | 29 |
| Table 29 | TasNetworks’ Tamar region (incorporating Launceston) DLFs | 29 |
| Table 30 | TasNetworks’ East Coast region DLFs | 29 |
| Table 31 | TasNetworks’ North West region DLFs | 30 |
| Table 32 | TasNetworks’ Derwent region DLFs | 30 |
| Table 33 | TasNetworks’ Southern region DLFs | 30 |
| Table 34 | TasNetworks’ West Coast region DLFs | 30 |
| Table 35 | TasNetworks’ site-specific DLFs | 31 |

Rules requirements

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

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

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

Distribution loss factors for 2020/21

The Queensland DLFs for the 2020/21 financial year are tabulated in Appendix A.

The Victorian DLFs for the 2020/21 financial year are tabulated in Appendix B.

The NSW DLFs for the 2020/21 financial year are tabulated in Appendix C.

The ACT DLFs for the 2020/21 financial year are tabulated in Appendix D.

The South Australian DLFs for the 2020/21 financial year are tabulated in Appendix E.

The Tasmanian DLFs for the 2020/21 financial year are tabulated in Appendix F.

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

Appendix A: Queensland distribution loss factors for 2020/21

Table 1 Energex's average DLFs

| Network level | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|----------------------|----------|------------------------|-------------------------|
| 110 kV connected | FSSS | 1.00463 | 1.00390 |
| 33 kV connected | F3CL | 1.01085 | 1.00844 |
| 11 kV bus connected | F1ZH | 1.01537 | 1.01228 |
| 11 kV line connected | F1CH | 1.02311 | 1.01960 |
| LV bus connected | F1CL | 1.04218 | 1.03815 |
| LV line connected | FLCL | 1.05592 | 1.05200 |

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

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 3120081063 | FALK | 1.01082 | 1.00940 |
| QB13708848 | FBEP | 1.01067 | 1.01138 |
| QB13786415 | FBOC | 1.01264 | 1.01012 |
| QB03188493 | FBRR | 1.00841 | 1.04952 |
| QB07156049 | FBAC | 1.01382 | 1.01359 |
| 3116941403 | FAPB | 1.01354 | 1.01338 |
| 3120007259 | FLMD | 1.01377 | 1.01060 |
| QB03674681 | FCAL | 1.00959 | 1.00884 |
| QB03187888 | FQCL | 1.04186 | 1.04763 |
| 3120032960 | FCLT | 1.00528 | 1.00510 |
| 3120033076 | FCST | 1.00340 | 1.00331 |
| QB00011835 | FCRL | 1.02581 | 1.01527 |
| 3120167431 | FEAN | 1.00721 | 1.00693 |
| 3120167432 | FEAS | 1.00752 | 1.00732 |
| 3117267111 | FTD | 1.00720 | 1.00659 |
| 3120001083 | FRAF | 1.01806 | 1.01718 |
| QB03017958 | FQUE | 1.00725 | 1.00799 |
| 3117524016 | FGBI | 1.00479 | 1.00413 |
| 3120048897 | FGHP | 1.00795 | 1.00810 |

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| QB08899177 | FHYS | 1.05012 | 1.05051 |
| QB03675327 | FICT | 1.00972 | 1.01251 |
| QB00702307 | FSFT | 1.01161 | 1.01025 |
| QB08144664 | FACI | 1.08215 | 1.09561 |
| 3120085619 | FLWH | 1.00636 | 1.00608 |
| 3120085617 | FLWT | 1.00090 | 1.00071 |
| 3117238161 | FLGP | 1.01225 | 1.01109 |
| 3120081891 | FNBW | 1.12115 | 1.13761 |
| QB03674177 | FQG | 1.01622 | 1.01320 |
| QB05747155 | FPCF | 1.01342 | 1.01313 |
| QB09709916 | FQBH | 1.00030 | 1.00026 |
| QB09750568 | FQB | 1.00170 | 1.00244 |
| QB05850851 | FQBW | 1.01047 | 1.00151 |
| QB07417373 | FQCB | 1.00969 | 1.01024 |
| QB03187390 | FQC | 1.00003 | 1.00004 |
| QB07480580 | FQL | 1.00069 | 1.00072 |
| 3120253094 | FQP | 1.01004 | 1.00738 |
| QB12757888 | FQR | 1.00035 | 1.00051 |
| 3120090363 | FQRS | 1.00027 | 1.00034 |
| 3120253056 | FQRW | 1.00524 | 1.00580 |
| QB08485399 | FQT | 1.00703 | 1.00481 |
| 3117476607 | FQW | 1.00080 | 1.00169 |
| QB03675025 | FPAH | 1.01767 | 1.01054 |
| 3120134803 | FQCH | 1.00655 | 1.00295 |
| QB03674151 | FRBH | 1.00895 | 1.00620 |
| QB08051828 | FHDU | 1.04421 | 1.01361 |
| QB06480217 | FHDL | 1.00543 | 1.00174 |
| QB08045917 | FMRP | 1.05928 | 1.05755 |
| QB00703630 | FBCC | 1.01116 | 1.01073 |
| QB02572559 | FNPD | 1.02607 | 1.02164 |
| QMRGW00156 | FSWP | 1.00730 | 1.00882 |
| QB00547778 | FSBB | 1.03191 | 1.03771 |

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 3120152640 | FSUH | 1.01358 | 1.01010 |
| QB07047011 | FSTC | 1.01123 | 1.01076 |
| 3116852575 | FUQ1 | 1.00526 | 1.00480 |
| 3120301348 | FUQC | 1.03233 | 1.03562 |
| QB12021814 | FVP | 1.00827 | 1.00910 |
| QB09455507 | FSC | 1.00700 | 1.00633 |
| QB03188523 | FWGC | 1.00509 | 1.00488 |
| 3116578384 | FEIB | 1.01623 | 1.01326 |
| 3120349332 | FLEA | 1.01954 | N/A |
| 3120660775 | FLEM | 1.04057 | N/A |
| QB14097800 | FRPT | 1.00249 | 1.00065 |
| 3120309278 | FSHG | 1.15806 | 1.16209 |
| 3117546923 | FTTB | 1.04307 | 1.03718 |
| 3120301290 | FVSF | 1.06110 | 1.05123 |
| 3114538695 | FWHG | 1.09170 | 1.05895 |
| 3120707488 | FQNG | NEW | 1.00556 |

Table 3 Ergon Energy's tariff class DLFs

| NETWORK LEVEL | DLF applied in 2019/20 | | | DLF to apply in 2020/21 | | |
|------------------------|------------------------|-------|-------|-------------------------|-------|-------|
| | East | West | MI | East | West | MI |
| Sub-Trans. Bus | 1.006 | 1.037 | 1.000 | 1.005 | 1.029 | 1.001 |
| Sub-Trans. Line | 1.012 | 1.062 | 1.004 | 1.008 | 1.040 | 1.007 |
| 22/11 kV Bus | 1.016 | 1.063 | 1.007 | 1.011 | 1.044 | 1.010 |
| 22/11 kV Line | 1.036 | 1.095 | 1.035 | 1.031 | 1.078 | 1.037 |
| LV Bus | 1.071 | 1.144 | 1.065 | 1.075 | 1.118 | 1.092 |
| LV Line | 1.075 | 1.161 | 1.076 | 1.093 | 1.233 | 1.036 |

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

Table 4 Ergon Energy's site-specific DLFs

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| QAAALV0001 | GBSB | 1.000 | 1.000 |
| QAAABW0000 | GBSB | 1.000 | 1.000 |
| QAAABW0002 | GS02 | 1.009 | 1.004 |
| 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 | 1.009 | 1.004 |
| QCCC000004 | GS19 | 1.069 | 1.046 |
| QCCC000002 | GS18 | 1.000 | 1.001 |
| QAAABW0001 | GS51 | 1.000 | 0.999 |
| QDDD000003 | GS21 | 1.001 | 1.002 |
| QAAALV0000 | GBSB | 1.000 | 1.000 |
| QGGG000394 | GS40 | 1.095 | 1.086 |
| QWAGW00066 | GS65 | 1.005 | 1.008 |
| QAAABX0014 | GS69 | 1.001 | 1.002 |
| QEMS000001 | GS64 | 1.008 | 1.008 |
| QAAALV0002 | GBSB | 1.000 | 1.000 |
| QCCC000003 | GBSB | 1.000 | 1.000 |
| QCCC000012 | GS85 | 1.096 | 1.082 |
| QAAALV0004 | GBSB | 1.000 | 1.000 |
| QAAABX0012 | GS70 | 1.000 | 1.000 |

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 3051111985 | GS06 | 1.003 | 1.005 |
| QAAARG0000 | GS14 | 1.004 | 1.006 |
| QAAAMR0001 | GS13 | 1.000 | 1.000 |
| QAAABW0041 | GS62 | 1.013 | 1.008 |
| QAAALX0000 | GS12 | 1.014 | 0.981 |
| 3051844184 | GS84 | 1.001 | 0.998 |
| 3051467399 | GS86 | 1.013 | 1.006 |
| QCCC000020 | GS82 | 1.009 | 1.008 |
| QDDD000028 | GS87 | 1.007 | 1.004 |
| 3051745071 | GS22 | 1.000 | 1.004 |
| 3051492237 | GS89 | 1.000 | 0.999 |
| 3051988348 | GS90 | 1.001 | 1.006 |
| QDDD003342 | GS88 | 1.017 | 1.008 |
| QCCC000018 | GS83 | 1.001 | 1.002 |
| 3052303675 | GBSB | 1.000 | 1.000 |
| 3052261476 | GBSB | 1.000 | 1.000 |
| QGGG000000 | GA07 | 1.001 | 1.001 |
| QAAAMR0000 | GBSB | 1.000 | 1.000 |
| QDDD000005 | GBSB | 1.000 | 1.000 |

Table 5 Ergon Energy's embedded generation DLFs

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| QEEE000547 | GS26 | 0.999 | 0.999 |
| QEEE000026 | GS55 | 0.987 | 0.981 |
| QCQPW00076 | GS49 | 0.985 | 0.882 |
| QFFF000010 | GS29 | 0.950 | 0.987 |
| QFFF00000Z | GS30 | 0.950 | 0.987 |
| QCCC001041 | GS67 | 0.984 | 0.992 |
| QDDD003206 | GS71 | 0.998 | 1.000 |
| 3052323901 | GBSB | 1.000 | 1.000 |
| QCCC001036 | GS56 | 0.981 | 0.986 |
| QMKYW00147 | GBSB | 1.000 | 1.000 |

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| QGGG000418 | GS74 | 0.998 | 1.009 |
| 3051393689 | GS76 | 0.939 | 0.958 |
| QEEE000050 | GS79 | 0.974 | 0.966 |
| 3051745577 | GS80 | 0.998 | 1.002 |
| 3051532166 | GS81 | 0.991 | 0.991 |
| 3053000490 | GS92 | 1.005 | 0.995 |
| 3052368025 | GS96 | 0.890 | 0.890 |
| 3053005598 | | | |
| 7105006000 | GS93 | 0.988 | 0.981 |
| 7105006001 | | | |
| 3052060420 | GS95 | 1.000 | 1.001 |
| 3053006353 | GS91 | 0.876 | 0.902 |
| 3053007186 | GS98 | 0.954 | 0.956 |
| 3053010873 | GA01 | 0.952 | 0.959 |
| 3053012323 | GA04 | 0.993 | 1.005 |
| 3053012322 | GA05 | 0.991 | 0.989 |
| 3053008220 | GA03 | 0.940 | 0.940 |
| 3053007670 | GA06 | 0.963 | 0.963 |
| 3053008146 | GS99 | 0.964 | 0.964 |
| 3053011565 | GA02 | 0.820 | 0.820 |
| 3053012527 | GS97 | 0.991 | 1.007 |
| 3053008174 | GA11 | NEW | 0.945 |
| 3053094725 | GA09 | 0.987 | 0.987 |
| 3053129419 | GA10 | 0.987 | 0.987 |

Table 6 Oaky Creek Coal Network's embedded generation DLFs

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 7102000028 | XOCN | 0.9800 | 0.9800 |
| 7102000029 | XOC2 | 0.9764 | 0.9764 |

Table 7 Capcoal Network's embedded generation DLF

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 7102000033 | XCCN | 0.9992 | 1.0018 |

Table 8 Moranbah North Coal Mine Network's embedded generation DLF

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 7102000038 | XMCN | 0.9961 | 0.9888 |
| 7102000039 | XMGR | 0.9917 | 0.9882 |
| 7102000040 | XMG2 | 0.9917 | 0.9882 |

Table 9 Brisbane Airport embedded network DLF

| NETWORK LEVEL | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|---------------|----------|------------------------|-------------------------|
| LV Bus | XBAB | 1.01370 | N/A |
| LV Line | XBAL | 1.05677 | N/A |

Appendix B: Victoria distribution loss factors for 2020/21

Table 10 Approved network average DLFs

| Distributors | Distribution loss factors | | | | | |
|-----------------|---------------------------|--------|--------|--------|--------|--------|
| | Type | DLF A | DLF B | DLF C | DLF D | DLF E |
| Jemena | Short Sub-transmission | 1.0037 | 1.0077 | 1.0168 | 1.0344 | 1.0394 |
| | Long Sub-transmission | 1.0118 | 1.0158 | 1.0249 | 1.0425 | 1.0476 |
| CitiPower | Short sub-transmission | 1.0041 | 1.0122 | 1.0159 | 1.0418 | 1.0509 |
| Powercor | Short sub-transmission | 1.0035 | 1.0089 | 1.0330 | 1.0577 | 1.0653 |
| | Long sub-transmission | 1.0388 | 1.0442 | 1.0683 | 1.0930 | 1.1006 |
| AusNet Services | Short sub-transmission | 1.0018 | 1.0099 | 1.0293 | 1.0524 | 1.0602 |
| | Long sub-transmission | 1.0174 | 1.0254 | 1.0448 | 1.0679 | 1.0757 |
| United Energy | Short sub-transmission | 1.0038 | 1.0098 | 1.0151 | 1.0411 | 1.0563 |
| | Long sub-transmission | 1.0183 | 1.0243 | 1.0296 | 1.0557 | 1.0708 |

| 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 11 Approved site-specific DLFs for large load customers

| Distributor | Customer NMI | DLF codes | DLF to apply in 2020/21 |
|------------------------|--------------|-----------|-------------------------|
| Jemena | VDDD000495 | CVPC | 1.0068 |
| | 6001280255 | CAPA | 1.0024 |
| | VDDD000213 | CSPL | 1.0081 |
| | VDDD000134 | CAGP | 1.0097 |
| | 6001001784 | CAHH | 1.0120 |
| CitiPower | VAAA000673 | ESS4 | 1.0166 |
| Powercor | VCCCAF0002 | KAF1 | 1.0005 |
| | VCCCAF0001 | KAF | 1.0069 |
| | VCCDA0031 | KDA2 | DLF A Short (KAS) |
| | VCCCGJ0001 | KGJ | 1.0022 |
| | VCCCRD0007 | KRD | 1.0071 |
| | 6203803617 | KBN | 1.0083 |
| | VCCDA0025 | KDA1 | 1.0118 |
| | VCCCAD0001 | KAD | 1.0167 |
| | VCCCE0004 | KSE | 1.0469 |
| | VCCBC0025 | KBC | 1.0444 |
| | VCCCTE0002 | KTE | DLF 'C' Long (KCL) |
| | VCCCSB0012 | KSB | 1.0555 |
| | VCCCLD0024 | KLD | DLF 'C' Short (KCS) |
| | 6203824333 | KAT | 1.0109 |
| AusNet Services | VBBB000073 | LL02 | 1.0009 |
| | VBBB000161 | LL05 | 1.0042 |
| | VBBB000058 | LL01 | 1.0383 |
| | VBBB000287 | LL06 | 1.0410 |
| United Energy | VEEE0PD8AD | MC05 | 1.0108 |
| | VEEE0TF39Q | MC06 | 1.0125 |
| | VEEE0BG4Q3 | MC02 | 1.0144 |
| | VEEE0NDNEX | MC04 | 1.0276 |
| | 6407799056 | MC08 | 1.0196 |
| | VEEE08KH3V | MC01 | 1.0095 |
| | VEEE0C8AW1 | MC03 | 1.0057 |

| Distributor | Customer NMI | DLF codes | DLF to apply in 2020/21 |
|-------------|--------------|-----------|-------------------------|
| | VEEE0ATYTH | MC07 | 1.0179 |

Table 12 Approved DLFs for large embedded generators

| Distributor | NMI | DLF codes | DLF to apply in 2020/21 |
|------------------------|------------|-----------|-------------------------|
| Jemena | 6001264751 | CSOG | 0.9917 |
| Powercor | 6203661632 | KCH | 0.9920 |
| | 6203008782 | KCF | 1.0788 |
| | 6203690629 | KYW | 1.0788 |
| | 6203811032 | KOH | 0.8919 |
| | 6203829699 | KML | 0.9087 |
| | 6203879058 | KCB | 0.9624 |
| | 6203921151 | KKW | 0.9155 |
| | 6203921132 | KYS | 1.0536 |
| | 6203934859 | KMG | 1.0010 |
| | 6203934861 | KMG | 1.0010 |
| | 6203935735 | KGS | 0.9901 |
| | 6203937431 | KBP | 0.9846 |
| | 6203949352 | | |
| | 6203937741 | KKS | 0.9852 |
| | 6203946314 | KWS | 0.9986 |
| | 6203964878 | KYD | 0.9845 |
| | 6203962945 | KNS | 0.9875 |
| | 6203962946 | | |
| | 6203960144 | KYP | 0.9818 |
| | 6203990753 | KCO | 0.9811 |
| 6203990754 | | | |
| AusNet Services | 6305656070 | LG02 | 1.0361 |
| | 6305010110 | LG03 | 1.0262 |
| | 6305651897 | LG03 | 1.0262 |
| | 6305721689 | LG07 | 1.0354 |

| Distributor | NMI | DLF codes | DLF to apply in 2020/21 |
|----------------------|------------|-----------|-------------------------|
| | VBBB002342 | LG04 | 1.0279 |
| | VMBTWZCLPS | LG05 | 0.9965 |
| | VTTSWZRUBX | LG06 | 0.9982 |
| | 6305908426 | LG08 | 1.0063 |
| | 6305940506 | LG09 | 1.0219 |
| | 6305941257 | LG09 | 1.0219 |
| | 6306018714 | LG10 | 1.0139 |
| | 6306034976 | LG11 | 0.9992 |
| | 6306042131 | LG12 | 0.9998 |
| United Energy | 6407649172 | MG01 | 1.0111 |

Table 13 Gannawarra generation network DLF

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 7102000055 | XGW1 | 0.9951 | 0.9901 |
| 7102000056 | | | |
| 7102000057 | | | |
| 7102000058 | | | |
| 7102000059 | | | |

Appendix C:

New South Wales distribution loss factors for 2020/21

Table 14 Endeavour Energy's DLFs for tariff classes

| Tariff class | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|--|----------|------------------------|-------------------------|
| 132 kV Network | HNVL | 1.0022 | 1.0026 |
| Transmission substation | HSTS | 1.0057 | 1.0062 |
| Subtransmission network | HSTL | 1.0090 | 1.0107 |
| Zone substation | HHVT | 1.0101 | 1.0116 |
| High voltage distribution network | HHVL | 1.0148 | 1.0170 |
| Distribution substation | HLVT | 1.0416 | 1.0477 |
| Low voltage network | HLVL | 1.0628 | 1.0687 |

Table 15 Endeavour Energy's DLFs for embedded generators

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| NEEE000748 | HTX2 | 0.9837 | 1.0655 |
| NEEE000749 | HTX3 | 1.0065 | 1.0257 |
| NEEE000750 | HTX4 | 1.0100 | 1.0294 |
| 4310951391 | HNC1 | 0.9998 | 1.0005 |

Table 16 Endeavour Energy's DLFs for CRNP Customers

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|--|----------|------------------------|-------------------------|
| 4310857952 | HTYA | 1.0090 | 1.0149 |
| 4310866743 | HTXA | 1.0086 | 1.0083 |
| 4310942441 | HTXB | 1.0099 | 1.0049 |
| 4311159207 | HTYB | 1.0060 | 1.0054 |
| 4311168207 | HTYC | 1.0048 | 1.0044 |
| 4311275493 | HTV8 | 1.0013 | 1.0027 |
| 4311028276 4311028297 4311246109 4311246110 | HHY3 | 1.0128 | 1.0136 |
| 4311061116 4311061119 | HTY3 | 1.0073 | 1.0067 |
| 4311179347 4311179743 | HSTL | 1.0033 | 1.0107 |

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|--|----------|------------------------|-------------------------|
| 4311206443 4311173727 | HTX9 | 1.0046 | 1.0041 |
| 4311251697 4311297310 | HTV7 | 1.0011 | 1.0012 |
| 4311265997 4311265950 | HTYE | 1.0060 | 1.0062 |
| 4311271253 4311271260 | HTV6 | 1.0007 | 1.0012 |
| NEEE000003 | HTX6 | 1.0106 | 1.0103 |
| NEEE000005 | HHY1 | 1.0137 | 1.0135 |
| NEEE000006 | HTY5 | 1.0408 | 1.0497 |
| NEEE000014 | HTY7 | 1.0134 | 1.0087 |
| NEEE000046 | HTV2 | 1.0028 | 1.0026 |
| NEEE000049 | HHV1 | 1.0148 | 1.0134 |
| NEEE000066 | HTY4 | 1.0288 | 1.0266 |
| NEEE000506 | HHY4 | 1.0145 | 1.0153 |
| NEEE000758 NEEE000759 | HIC1 | 1.0140 | 1.0148 |
| NEEE000760 NEEE000762 NEEE000764 NEEE000766 NEEE000768 | HTV4 | 1.0078 | 1.0071 |
| NEEE000881 | HTY9 | 1.0090 | 1.0032 |
| NEEE001591 | HTX5 | 1.0169 | 1.0055 |
| NEEE001656 | HTV1 | 1.0033 | 1.0035 |
| NEEE001892 | HTX1 | 1.0190 | 1.0136 |
| NEEE004639 | HHVT | 1.0125 | 1.0116 |
| NEEE005219 | HTX8 | 1.0077 | 1.0074 |
| NEEEW00001 NEEEW00002 | HTF1 | 1.0036 | 1.0031 |
| NEEEW04150 NEEEW04151 NEEEW04152 NEEEW04153 NEEEW04154 | HTF2 | 1.0073 | 1.0073 |

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|--|----------|------------------------|-------------------------|
| NEEEW04511 NEEEW04512 NEEEW04513 NEEEW04514 | HTF3 | 1.0031 | 1.0024 |

Table 17 Essential Energy's site-specific DLFs

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 4001193201 | BS02 | 0.9381 | 0.9375 |
| 4001185251 | BS03 | 0.9991 | 0.9963 |
| 4001161869 | BS32 | 1.1057 | 1.0989 |
| NAAA00AC11 | BS33 | 1.0634 | 1.0563 |
| 4001224331 | BS35 | 1.0121 | 1.0135 |
| NTTTW0RU20 | BS37 | 1.0000 | 1.0000 |
| NAAANRAB50 | BS38 | 1.0192 | 1.0085 |
| NAAA00AC21 | BS39 | 1.0444 | 1.0339 |
| NAAA00AB64 | BS40 | 1.0610 | 1.0555 |
| NAAANRAA01 | BS41 | 1.1039 | 1.0848 |
| 4001151659 | BS43 | 0.9882 | 0.9949 |
| 4001231299 | BS43 | 0.9882 | 0.9949 |
| NFFFNRKU39 | BS44 | 0.9942 | 0.9969 |
| 4001175717 | BS45 | 1.0514 | 1.0443 |
| 4508034707 | BS46 | 1.0578 | 1.0256 |
| 4001210762 | BS48 | 0.9905 | 0.9852 |
| 4001231908 | BS50 | 0.9788 | 0.9831 |
| NAAANRAA02 | BS51 | 1.0100 | 1.0046 |
| 4001223403 | BS52 | 1.0449 | 1.0450 |
| 4001242173 | BS53 | 1.0099 | 1.0100 |
| 4001251721 | BS54 | 0.9820 | 0.9820 |
| 4001246761 | BS55 | 0.9913 | 0.9917 |
| 4001227465 | BS56 | 1.0121 | 1.0135 |
| 4001258249 | BS57 | 0.9805 | 0.9591 |
| 4001241798 | BS58 | 0.9751 | 0.9850 |
| 4001202550 | BS60 | 1.0123 | 1.0153 |

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 4001297032 | BS61 | 1.0033 | 1.0008 |
| 4001297033 | BS62 | 1.0013 | 0.9956 |
| 4001298855 | BS63 | 0.9960 | 0.9938 |
| 4001298870 | BS63 | 0.9960 | 0.9938 |
| NTTTW0W110 | UNIT | 1.0000 | 1.0000 |
| 4001301126 | BS64 | 0.9781 | 0.9597 |
| 4001322845 | BS65 | - | 0.9800 |

Table 18 Essential Energy's general DLFs

| Class | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|--|------------------------------------|------------------------|-------------------------|
| Low voltage | BL0A, DLDL, DLD2, DLD6, DLGB, DLGD | 1.0691 | 1.0664 |
| LV & metered at CE substation | BL5A | 1.0554 | 1.0544 |
| High voltage line | BH0A | 1.0320 | 1.0301 |
| High voltage substation | BH5A | 1.0191 | 1.0185 |
| Sub-transmission | BS0A | 1.0099 | 1.0110 |

Table 19 Ausgrid's DLFs for tariff classes

| Tariff code | Tariff class | Location | DLF applied in 2019/20 | DLF to apply in 2020/21 | DLF code |
|-------------|---------------------------------------|-----------|------------------------|-------------------------|----------|
| EA010 | Residential Non ToU (Closed) | LV system | 1.0532 | 1.0514 | JLDL |
| EA011 | Residential Transitional ToU (Closed) | LV system | 1.0532 | 1.0514 | JLDL |
| EA025 | Residential ToU | LV system | 1.0500 | 1.0479 | JL40 |
| EA111 | Residential demand (introductory) | LV system | 1.0500 | 1.0479 | JL40 |
| EA115 | Residential TOU demand | LV system | 1.0500 | 1.0479 | JL40 |
| EA116 | Residential demand | LV system | 1.0500 | 1.0479 | JL40 |
| EA030 | Controlled Load 1 | LV system | 1.0532 | 1.0514 | JL1L |

| Tariff code | Tariff class | Location | DLF applied in 2019/20 | DLF to apply in 2020/21 | DLF code |
|-------------|--|-----------|------------------------|-------------------------|----------|
| EA040 | Controlled Load 2 | LV system | 1.0532 | 1.0514 | JL2L |
| EA050 | Small Business Non ToU (Closed) | LV system | 1.0460 | 1.0444 | JLSL |
| EA051 | Small Business Transitional ToU (Closed) | LV system | 1.0460 | 1.0444 | JLSL |
| EA225 | Small Business ToU | LV system | 1.0460 | 1.0444 | JLSL |
| EA251 | Small Business demand (introductory) | LV system | 1.0460 | 1.0444 | JLSL |
| EA255 | Small Business TOU demand | LV system | 1.0460 | 1.0444 | JLSL |
| EA256 | Small Business demand | LV system | 1.0460 | 1.0444 | JLSL |
| EA302 | LV 40-160 MWh (System) | LV system | 1.0460 | 1.0444 | JLSL |
| EA305 | LV 160-750 MWh (System) | LV system | 1.0460 | 1.0444 | JLSL |
| EA310 | LV >750 MWh (System) | LV system | 1.0460 | 1.0444 | JLSL |
| EA316 | Transitional 40-160 MWh (Closed) | LV system | 1.0460 | 1.0444 | JLSL |
| EA317 | Transitional 160-750 MWh (Closed) | LV system | 1.0460 | 1.0444 | JLSL |
| EA325 | LV Connection (Standby Tariff-closed) | LV system | 1.0460 | 1.0444 | JLSL |
| EA360 | HV Connection (Standby Tariff - closed) | HV system | 1.0127 | 1.0123 | JHSH |
| EA370 | HV Connection (System) | HV system | 1.0127 | 1.0123 | JHSH |

| Tariff code | Tariff class | Location | DLF applied in 2019/20 | DLF to apply in 2020/21 | DLF code |
|-------------|----------------------------|---------------|------------------------|-------------------------|----------|
| EA380 | HV Connection (Substation) | HV substation | 1.0090 | 1.0088 | JHBH |
| EA390 | ST Connection | ST System | 1.0048 | 1.0044 | JSSS |
| EA391 | ST Connection (Substation) | ST substation | 1.0048 | 1.0044 | JSBS |
| EA401 | Public Lighting | LV system | 1.0568 | 1.0546 | JLSP |
| EA402 | Constant Unmetered | LV system | 1.0461 | 1.0445 | JLSU |
| EA403 | Energy Light | LV system | 1.0568 | 1.0546 | JLSP |
| EA501 | Transmission Connection | Transmission | 1.0000 | 1.0000 | JTRN |

Table 20 Ausgrid's DLFs for CRNP customers

| NMI | Location | DLF applied in 2019/20 | DLF to apply in 2020/21 | DLF code |
|------------|----------------------|------------------------|-------------------------|----------|
| 4103736926 | 33 kV system | 1.0023 | 1.0022 | J550 |
| 4103736927 | 33 kV system | 1.0023 | 1.0022 | J550 |
| NCCCNREA06 | 33/11 kV substations | 1.0116 | 1.0105 | J660 |
| 4103748279 | 132 kV system | 1.0000 | 1.0000 | J885 |
| 4103507254 | 33 kV system | 1.0037 | 1.0028 | JGLB |
| 4103507266 | 33 kV system | 1.0037 | 1.0028 | JGLB |
| 4103841748 | 33 kV system | 1.0037 | 1.0028 | JGLB |
| NCCCZ01251 | 33 kV system | 1.0044 | 1.0047 | J881 |
| 4102016227 | 33 kV transmission | 1.0006 | 1.0004 | JTOL |
| 4102016252 | 33 kV transmission | 1.0006 | 1.0004 | JTOL |
| 4103770084 | 132 kV system | 1.0007 | 1.0006 | J887 |
| 4103770085 | 132 kV system | 1.0007 | 1.0006 | J886 |
| NCCCZ01381 | 33 kV transmission | 1.0008 | 1.0000 | J800 |
| 4103769153 | 33 kV system | 1.0033 | 1.0033 | J700 |
| 4103769154 | 33 kV system | 1.0033 | 1.0033 | J700 |
| NCCCNRP40 | 132 kV transmission | 1.0000 | 1.0000 | JCAP |
| NCCCNRP50 | 132 kV transmission | 1.0000 | 1.0000 | JCAP |

| NMI | Location | DLF applied in 2019/20 | DLF to apply in 2020/21 | DLF code |
|-------------|-----------------------|------------------------|-------------------------|----------|
| NCCCWRNP60 | 132 kV transmission | 1.0000 | 1.0000 | JCAP |
| NCCCNRZ1BK | 132/33 kV substations | 1.0026 | 1.0025 | J635 |
| 4103686298 | 66 kV system | 1.0048 | 1.0044 | JSSS |
| NCCCX00745 | 33 kV transmission | 1.0004 | 1.0000 | J640 |
| NCCCX00746 | 33 kV transmission | 1.0004 | 1.0000 | J640 |
| NCCCX00747 | 33 kV transmission | 1.0004 | 1.0000 | J640 |
| 4103507347 | 132/33 kV substations | 1.0076 | 1.0066 | J601 |
| NCCCNRZ1BM | 132 kV system | 1.0049 | 1.0035 | J580 |
| NCCCX00332 | 132/66 kV substations | 1.0045 | 1.0049 | J590 |
| NCCCNRZZB0 | 132/33 kV substations | 1.0087 | 1.0124 | J610 |
| NCCCX00750 | 33 kV transmission | 1.0008 | 1.0009 | J620 |
| 4104004610 | 33 kV transmission | 1.0008 | 1.0009 | J620 |
| 4104004602 | 33 kV transmission | 1.0008 | 1.0009 | J620 |
| NCCCX00753 | 33 kV transmission | 1.0008 | 1.0009 | J620 |
| NCCC007211 | 33 kV system | 1.0056 | 1.0057 | J605 |
| NCCCNRZ1BQ | 33 kV transmission | 1.0046 | 1.0032 | J655 |
| 41040364218 | 132/33 kV substations | 1.0031 | 1.0031 | J630 |
| 41040364240 | 132/33 kV substations | 1.0031 | 1.0031 | J630 |
| 41040364224 | 132/33 kV substations | 1.0031 | 1.0031 | J630 |
| NCCCX00748 | 132/33 kV substations | 1.0054 | 1.0046 | J615 |
| NCCCX00749 | 132/33 kV substations | 1.0054 | 1.0046 | J615 |
| NCCCNRZ1BT | 132/33 kV substations | 1.0048 | 1.0045 | J645 |
| NCCCX00293 | 132/33 kV substations | 1.0068 | 1.0049 | J600 |
| NCCCX00294 | 132/33 kV substations | 1.0068 | 1.0049 | J600 |
| NCCC002902 | 66 kV system | 1.0070 | 1.0069 | JK23 |
| NCCC002221 | 66 kV system | 1.0160 | 1.0166 | J500 |
| NCCCZ01275 | 132/33 kV substations | 1.0070 | 1.0059 | J560 |
| NCCCNREEK2 | 33 kV system | 1.0123 | 1.0145 | J541 |
| 4102030738 | 33 kV system | 1.0012 | 1.0012 | J543 |
| 4103628537 | 33 kV system | 1.0012 | 1.0012 | J543 |
| NCCCNRCS90 | HV system | 1.0134 | 1.0123 | J670 |

| NMI | Location | DLF applied in 2019/20 | DLF to apply in 2020/21 | DLF code |
|------------|-----------------------|------------------------|-------------------------|----------|
| NCCCNRZ1XJ | 66 kV system | 1.0311 | 1.0111 | J680 |
| NCCCNREA14 | 132/11 kV substations | 1.0089 | 1.0130 | J770 |
| 4103798233 | 66 kV system | 1.0202 | 1.0172 | J771 |
| NCCCNREB57 | 33/11 kV substations | 1.0094 | 1.0080 | J772 |
| NCCCNREB24 | 132/11 kV substations | 1.0166 | 1.0096 | J773 |
| 4103598315 | 132/66 kV substations | 1.0148 | 1.0217 | J774 |
| NCCCNREE73 | 33 kV system | 1.0472 | 1.0227 | J775 |
| 4103974109 | 132/66 kV substations | 1.0088 | 1.0123 | J777 |
| 4103632682 | 33 kV system | 1.0164 | 1.0068 | J778 |
| 4103529698 | 66 kV system | 1.0183 | 1.0203 | J779 |
| NCCCNRENB7 | 132/66 kV substations | 1.0084 | 1.0113 | J780 |
| 4103768912 | 132/33 kV substations | 1.0032 | 1.0029 | J781 |
| 4103768913 | 132/33 kV substations | 1.0030 | 1.0030 | J782 |
| 4103831536 | 132/11 kV substations | 1.0028 | 1.0027 | J783 |
| 4103828337 | 66 kV system | | 1.0197 | J784 |
| 4103788882 | 66 kV system | | 1.0135 | J785 |
| NCCCNREA08 | 66 kV system | | 1.0148 | J786 |
| 4103981057 | 33 kV system | | 1.0020 | J787 |
| 4103526370 | 66 kV system | | 1.0244 | J788 |
| NCCCZ01111 | HV system | | 1.0136 | J789 |
| NCCCNREB14 | HV system | | 1.0192 | J790 |

Table 21 Ausgrid's DLF's for embedded generators

| NMI | Location | DLF applied in 2019/20 | DLF to apply in 2020/21 | DLF code |
|------------|--------------|------------------------|-------------------------|----------|
| NCCC007498 | 33 kV system | 1.0043 | 1.0041 | JGEN |
| NCCCNRGB10 | HV system | 1.0128 | 1.0123 | JK24 |
| NCCCNRME11 | 33 kV system | 1.0043 | 1.0041 | JGEN |
| NCCCNRME10 | 33 kV system | 1.0043 | 1.0041 | JGEN |

Table 22 One Steel's embedded network DLFs

| NMI | Location | DLF applied in 2019/20 | DLF to apply in 2020/21 | DLF Code |
|-----------------------|----------|------------------------|-------------------------|----------|
| 7102000008,7102000010 | 11 kV | 1.0330 | 1.0278 | XON2 |

Appendix D: Australian Capital Territory distribution loss factors for 2020/21

Table 23 Evoenergy's distribution DLFs

| Connection | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|--------------|----------|------------------------|-------------------------|
| High voltage | AH00 | 1.0136 | 1.0111 |
| Low voltage | AL00 | 1.0471 | 1.0447 |

Table 24 Evoenergy's site-specific DLFs

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| NGGG000294 | AS01 | 1.0062 | 1.0136 |
| NGGG000269 | AS02 | 1.0100 | 1.0152 |
| 7001197618 | AS04 | 0.9997 | 0.9998 |
| 7001317224 | AS06 | 0.9983 | 0.9985 |
| 7001319704 | AS07 | 0.9990 | 0.9994 |

Appendix E: South Australia distribution loss factors for 2020/21

Table 25 SA Power Network's distribution connection point class DLFs

| Class | Tariff | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------------------------------|---------------------------------|----------|------------------------|-------------------------|
| Low voltage small customers | Unmetered | NLV2 | 1.1010 | 1.1070 |
| | Residential | NLV2 | 1.1010 | 1.1070 |
| | Controlled Load (HW) | NLV2 | 1.1010 | 1.1070 |
| | Small Business Single Rate | NLV2 | 1.1010 | 1.1070 |
| | Small Business Two Rate | NLV2 | 1.1010 | 1.1070 |
| | Small Business Demand | NLV2 | 1.1010 | 1.1070 |
| LV large business | Large LV Business Demand | NLV1 | 1.0800 | 1.0840 |
| HV business | HV Demand Two Rate | NHV1 | 1.0480 | 1.0510 |
| Major business | Substation Non Locational | NZS1 | 1.0220 | 1.0230 |
| | Sub-transmission Non Locational | NZS1 | 1.0220 | 1.0230 |

Table 26 SA Power Network's site-specific DLFs

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 2001000378 | NBA1 | 1.0010 | 1.0010 |
| 2001000608 | NAC2 | 1.0080 | 1.0080 |
| 2002112609 | NKC4 | 1.0100 | 1.0100 |
| 2002213788 | NHN1 | 1.0030 | 1.0030 |
| 2002213796 | NHN2 | 1.0030 | N/A |
| 2002216840 | NDS1 | 1.0160 | 1.0080 |
| 2002276228 | NRA1 | 1.0090 | 1.0100 |
| 2002276230 | NRA2 | 1.0120 | N/A |
| 2002280161 | NDS2 | 1.0160 | 1.0080 |
| 2002257162 | NRT1 | 1.0020 | 1.0040 |
| 2002257164 | NRT1 | 1.0020 | N/A |
| SAAAAAA018 | NPS1 | 1.0000 | 1.0000 |
| SAAAAAA021 | NPS3 | 1.0070 | 1.0070 |
| SAAAAAA024 | NAB1 | 1.0100 | 1.0100 |

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| SAAAAAA035 | NGT1 | 1.0070 | 1.0070 |
| SAAAAAA084 | NOS1 | 1.0000 | 1.0010 |
| SAAAAAA438 | NIF1 | 1.0100 | 1.0100 |
| SAAAAAB557 | NOS2 | 1.0010 | 1.0000 |

Table 27 SA Power Network's embedded generator DLFs

| NMI | DLF code | DLF applied in 2019/20 | DLF to apply in 2020/21 |
|------------|----------|------------------------|-------------------------|
| 2001000639 | NCL1 | 1.0050 | 1.0020 |
| 2001000640 | NCL1 | 1.0050 | 1.0020 |
| 2001000734 | NSHW | 0.9950 | 0.9950 |
| 2001830001 | NTGN | 1.0000 | 1.0000 |
| 2001830002 | NTGS | 1.0000 | 1.0030 |
| 2002108658 | NCDW | 0.9720 | 0.9720 |
| 2002108660 | NAS1 | 0.9890 | 0.9890 |
| 2002108661 | NAS2 | 0.9890 | 0.9890 |
| 2002220776 | NSP1 | 1.0030 | 1.0040 |
| 2002221495 | NSP2 | 1.0030 | 1.0040 |

Appendix F: Tasmania distribution loss factors for 2020/21

The AER has approved the following distribution loss factors for Tasmania for the 2020/21 financial year.

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

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

Table 28 TasNetworks' Hobart region DLFs

| Distribution network Level | Region | DLF code | Cumulative DLF |
|----------------------------|--------|----------|----------------|
| Subtransmission network | Hobart | PHST | 1.0034 |
| Zone substation | Hobart | PHZN | 1.0053 |
| HV distribution network | Hobart | PHHV | 1.0112 |
| Distribution substation | Hobart | PHDS | 1.0238 |
| LV distribution network | Hobart | PHLV | 1.0407 |

Table 29 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 | 1.0077 |
| Distribution substation | Tamar | PTDS | 1.0244 |
| LV distribution network | Tamar | PTLV | 1.0439 |

Table 30 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 | 1.0181 |
| Distribution substation | East Coast | PEDS | 1.0478 |
| LV distribution network | East Coast | PELV | 1.0785 |

Table 31 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 | 1.0111 |
| Distribution substation | North West | PNDS | 1.0329 |
| LV distribution network | North West | PNLV | 1.0543 |

Table 32 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 | 1.0147 |
| Distribution substation | Derwent | PDDS | 1.0469 |
| LV distribution network | Derwent | PDLV | 1.0557 |

Table 33 TasNetworks' Southern region DLFs

| Distribution network Level | Region | DLF code | Cumulative DLF |
|----------------------------|----------|----------|----------------|
| Subtransmission network | Southern | PSST | 1.0002 |
| Zone substation | Southern | PSZN | 1.0004 |
| HV distribution network | Southern | PSHV | 1.0171 |
| Distribution substation | Southern | PSDS | 1.0395 |
| LV distribution network | Southern | PSLV | 1.0579 |

Table 34 TasNetworks' West Coast region DLFs

| Distribution network Level | Region | DLF code | Cumulative DLF |
|----------------------------|------------|----------|----------------|
| Subtransmission network | West Coast | PWST | 1.0017 |
| Zone substation | West Coast | PWZN | 1.0038 |
| HV distribution network | West Coast | PWHV | 1.0125 |
| Distribution substation | West Coast | PWDS | 1.0305 |
| LV distribution network | West Coast | PWLV | 1.0482 |

Table 35 TasNetworks' site-specific DLFs

| NMI | Region | DLF code | DLF |
|------------|------------|----------|--------|
| 800000656 | North West | PSPU | 0.9915 |
| 800003578 | West Coast | PBSM | 1.0110 |
| 800003585 | North West | PACH | 1.0000 |
| 800003868 | West Coast | PHGM | 1.0000 |
| 8000295294 | East Coast | PEMW | 0.9588 |
| 800004181 | East Coast | PEDE | 1.0000 |
| 8000296059 | East Coast | PEHE | 1.0000 |
| 800003493 | Derwent | PDTC | 0.9720 |

Appendix G: Distribution loss factor – Contacts

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

Distribution Network Service Provider

| | | |
|--|---|--------------|
| Ausgrid | Garry Foo, Senior Distribution Pricing Analyst | 02 9269 2283 |
| Endeavour Energy | Fiona Place, Compliance Analyst | 02 9853 6302 |
| Energex | Karen Stafford, General Manager Legal, Regulation and Pricing | 07 3851 6793 |
| Ergon Energy Corporation Limited | Karen Stafford, General Manager Legal, Regulation and Pricing | 07 3851 6793 |
| Essential Energy | Catherine Waddell, Network Pricing Manager | 02 6338 3553 |
| Evoenergy | Dennis Stanley, Branch Manager Asset Strategy | 02 6270 7667 |
| Jemena | Matthew Serpell, Regulatory Manager | 03 9173 8231 |
| Powercor Australia Ltd and CitiPower Pty Ltd | Adam Ryan, Network Optimisation Manager | 03 9683 4380 |
| SA Power Networks | James Bennett, Manager Regulation | 08 8404 5261 |
| AusNet Services | Kate Jdanova, Pricing Manager | 03 9695 6630 |
| TasNetworks | Chantal Hopwood, Leader Regulation | 03 6271 6511 |
| United Energy Distribution | Rodney Bray, Network Planning Manager | 03 8846 9745 |