

LOCATIONAL DLF CALCULATIONS – 2012/13

This attachment provides a description of the locational distribution loss factor calculations for new network connections in 2012/13.

All customers and generators with Locational DLF's have been reviewed with the exception of [REDACTED].

[REDACTED] was calculated 2 years ago, and no significant changes have occurred to the network, to other loads or to [REDACTED] load characteristics since that review.

The major cause of changes to these DLF's has been the new network configuration with the City West transmission connection affecting the southern suburbs of Adelaide and the Findon-Flinders Park 66kV sub-transmission line affecting the western suburbs of Adelaide.

The latest 2011 load forecasts for all substations and transmission connection points were used in the calculations. 2008/09 load duration curves were used as this was a peak-year. The data was checked for reasonableness against past DLF calculations and against the more recent 2009/10 and 2010/11 load duration curves.

Site	Voltage	NMI	DLF	2012-13	Previous
Southern Suburbs					
[REDACTED]	11 kV	2002216840 2002217226	NDS1 NDS2	1.0070	1.0120
[REDACTED]	11 kV	2001000639 2001000640 2001000647	NCL1	1.0090	1.0110
[REDACTED]	66 kV	2002220776 2002221495	NSP1 NSP2	1.0060	1.0040
[REDACTED]	33 kV	2001000734	NSHW	1.0090	1.0092
Western Suburbs					
[REDACTED]	11 kV	2001000608	NAC2	1.0110	1.0135
[REDACTED]	11 kV	SAAAAAA026	NAC1	1.0210	1.0218
[REDACTED]	11 kV	SAAAAAA024	NAB1	1.0060	1.0077
[REDACTED]	11 kV	SAAAAAA438	NIF1	1.0100	1.0091
Northern Suburbs					
[REDACTED]	11 kV	2002133131	NGM2	1.0100	1.0115
[REDACTED]	11 kV	SAAAAAA022	NGM1	1.0120	1.0107
[REDACTED]	66 kV	2002213788 2002216840	NHN1 NHN2	1.0020	1.0020
Country North					
[REDACTED]	33 kV	2001000378	NBA1	1.0000	1.0000
[REDACTED]	33 kV	SAAAAAA084	NOS1	1.0000	1.0000
[REDACTED]	33 kV	SAAAAAB557	NOS2	1.0000	1.0000
[REDACTED]	33 kV	SAAAAAA018	NPS1	1.0000	1.0000
[REDACTED]	6.6 kV	SAAAAAA021	NPS3	1.0070	1.0069
[REDACTED]	33 kV	2002108660	NAS1	0.9970	0.9900
[REDACTED]	33 kV	2002108661	NAS2		
Country South					
[REDACTED]	11 kV	2002112609	NKC4	1.0050	1.0057
[REDACTED]	11 kV	SAAAAAA035	NGT1	1.0040	1.0048
[REDACTED]	33 kV	2002108658	NCDW	0.9730	0.9721