ISSUE	I	AA	AB	AC	AD	AE	AF	AG	AH	AJ	AK	AL	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
AP. C.		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓														

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Amendment	BY	Ch'D	APP	Date
AH GENERAL UPDATE	TN	BP	GS	6/02
AJ GENERAL UPDATE	BP	BP	BP	08/09
AK GENERAL UPDATE	BP	BP	BP	08/10
AC RATINGS UPDATED, TWH T1 & T2, WIL T4, WRK T30 ADDED	AD	CPK T5, T11, & T12 ADDED		
AE HEP T3 ADDED, RATINGS UPDATED	AF	ALB T8 ADDED, HEP, GIS RATINGS UPDATED		
AG MDN T3, SVL T2 ADDED, RATINGS UPDATED	BY	Ch'D	APP	Date
	BP	BP	BP	5/05
	BP	BP	BP	2/06
	BP	BP	BP	9/06
	BP	BP	BP	1/07
	BP	BP	BP	11/07

DRAWN D Chapman 1/95
CHECKED S Mutton 1/95
REC. ISSUE S Mutton 1/95
APP. ISSUE P Clark 1/95

TRANS POWER

TRANS POWER TRANSMISSION

NORTH ISLAND POWER SYSTEM
SUBSTATION TRANSFORMER RATING TABLE

NIPS-8

ISSUE AK

Abbr	Station	System No	Voltage (kV)	MVA 3 Phase	TC
ALB	Albany	T3	220/33	117	OLTC
ALB	Albany	T4	220/110/11	274	OLTC
ALB	Albany	T6	220/33	117	OLTC
ALB	Albany	T8	220/33	142	OLTC
BOB	Bombay	T2	110/33	37	Off
BOB	Bombay	T3	110/33	37	Off
BPE	Bunnythorpe	T1	220/110/11	58	Off
BPE	Bunnythorpe	T10	220/33	100	OLTC
BPE	Bunnythorpe	T15	220/55	36	OLTC
BPE	Bunnythorpe	T16	220/55	24	OLTC
BPE	Bunnythorpe	T2	220/110/11	58	Off
BPE	Bunnythorpe	T3	220/110/11	58	Off
BPE	Bunnythorpe	T9	220/33	100	OLTC
BRB	Bream Bay	T2	220/33	54	OLTC
BRB	Bream Bay	T3	220/33	54	OLTC
BRK	Brunswick	T1	220/33	39	OLTC
CBG	Cambridge	T3	110/11	38	OLTC
CBG	Cambridge	T4	110/11	38	OLTC
CPK	Central Park	T3	110/33	108	OLTC
CPK	Central Park	T4	110/33	108	OLTC
CPK	Central Park	T5	110/33	145	OLTC
CST	Carrington St	T2	110/33	64	OLTC
CST	Carrington St	T4	110/33	64	OLTC
DAR	Dargaville	T1	50/11	13	OLTC
DAR	Dargaville	T2	50/11	13	OLTC
DVK	Dannevirke	T1	110/11	22	OLTC
DVK	Dannevirke	T2	110/11	22	OLTC
EDG	Edgecumbe	T4	220/110/11	58	Off
EDG	Edgecumbe	T5	220/110/11	58	Off
EDG	Edgecumbe	T7	220/33	60	Off
EDG	Edgecumbe	T8	220/33	67	Off
FHL	Fernhill	T1	110/33	36	Off
FHL	Fernhill	T2	110/33	63	Off
GFD	Gracefield	T3	110/33	89	OLTC
GFD	Gracefield	T6	110/33	89	OLTC
GIS	Gisborne	T3	110/50	62	OLTC
GIS	Gisborne	T4	110/50	62	OLTC
GLN	Glenbrook	T4	220/33	129	OLTC
GLN	Glenbrook	T5	220/33	129	OLTC
GLN	Glenbrook	T6	220/33	129	OLTC
GYT	Greytown	T2	110/33	20	OLTC
GYT	Greytown	T3	110/33	20	OLTC
HAM	Hamilton	T1	110/11	40	OLTC
HAM	Hamilton	T2	110/11	40	OLTC
HAM	Hamilton	T4	220/33	118	OLTC
HAM	Hamilton	T5	220/33	124	OLTC
HAM	Hamilton	T6	220/110	263	OLTC
HAM	Hamilton	T7	220/55	27	OLTC
HAM	Hamilton	T8	220/55	27	OLTC
HAM	Hamilton	T9	220/110	243	OLTC
HAY	Haywards	T1	220/110/11	251/232/93	OLTC
HAY	Haywards	T10	98.5/110/11	172/150/66	Off
HAY	Haywards	T11	110/11	22	OLTC
HAY	Haywards	T12	110/33	27	Off
HAY	Haywards	T2	220/110/11	251/232/93	OLTC
HAY	Haywards	T22	220/11	10	OLTC
HAY	Haywards	T23	220/144/144	815/408/408	OLTC
HAY	Haywards	T5	220/110/11	251/232/93	OLTC
HAY	Haywards	T7	98.5/110/11	172/150/66	Off
HAY	Haywards	T8	98.5/110/11	172/150/66	Off
HAY	Haywards	T9	98.5/110/11	172/150/66	Off
HEN	Henderson	T1	220/110/11	229	OLTC
HEN	Henderson	T2	220/33	120	OLTC
HEN	Henderson	T3	220/33	120	OLTC
HEN	Henderson	T5	220/110/11	266	OLTC
HEP	Hepburn Rd	T1	110/33	136	OLTC
HEP	Hepburn Rd	T2	110/33	103	OLTC
HEP	Hepburn Rd	T3	110/33	136	OLTC
HIN	Hinuera	T1	110/33	30	Off
HIN	Hinuera	T2	110/33	50	Off
HLY	Huntly	T21	220/33	82	OLTC
HLY	Huntly	T22	220/33	82	OLTC
HTI	Hangatiki	T1	110/33	20	Off
HTI	Hangatiki	T2	110/33	20	Off
HUI	Huirangi	T5	110/33	24	Off
HUI	Huirangi	T6	110/33	22	Off
HWA	Hawera	T1	110/33	35	Off
HWA	Hawera	T2	110/33	35	Off
HWA	Hawera	T3	110/33	38	OLTC
KAW	Kawerau	T1	110/11	25	OLTC
KAW	Kawerau	T11	220/11	100	OLTC
KAW	Kawerau	T12	220/110	96	OLTC
KAW	Kawerau	T13	220/110	98	OLTC
KAW	Kawerau	T14	220/11	100	OLTC
KAW	Kawerau	T2	110/11	25	OLTC
KAW	Kawerau	T5	110/11	36	OLTC
KAW	Kawerau	T6	110/11	45	OLTC
KAW	Kawerau	T7	110/11	45	OLTC
KAW	Kawerau	T8	110/11	34	OLTC
KAW	Kawerau	T9	110/11	65	OLTC
KEN	Kensington	T1	110/33	62	Off
KEN	Kensington	T2	110/33	59	Off
KIN	Kinleith	T1A	110/11	35	OLTC
KIN	Kinleith	T2	110/11	35	OLTC
KIN	Kinleith	T3A	110/11	13	OLTC
KIN	Kinleith	T3B	110/11	24	OLTC
KIN	Kinleith	T4	110/33	37	Off
KIN	Kinleith	T5	110/11/33	52	OLTC
KMO	Kaitimako	T1	110/33	90	OLTC
KOE	Kaikohe	T2	110/33/11	35	Off
KOE	Kaikohe	T3	110/33	39	Off
KPU	Kopu	T3	110/66	45	OLTC
KPU	Kopu	T4	110/66	45	OLTC
KTA	Kaitaia	T4	110/33	20	Off
KTA	Kaitaia	T5	110/33	20	Off
KWA	Kaiwharawhara	T1	110/11	38	OLTC
KWA	Kaiwharawhara	T2	110/11	38	OLTC

Abbr	Station	System No	Voltage (kV)	MVA 3 Phase	TC
LFD	Lichfield	T1	110/11	20	OLTC
LFD	Lichfield	T2	110/11	20	OLTC
LTN	Linton	T2	220/33	60	OLTC
LTN	Linton	T3	220/33	82	OLTC
MDN	Marsden	T5	220/110	180	OLTC
MDN	Marsden	T6	220/110	157	OLTC
MGM	Mangamaire	T2	110/33	27	OLTC
MGM	Mangamaire	T3	110/33	27	OLTC
MHO	Mangahao	T3	110/33	37	Off
MHO	Mangahao	T4	110/33	37	Off
MLG	Melling	T1	110/11	30	OLTC
MLG	Melling	T2	110/11	30	OLTC
MLG	Melling	T3	110/33	52	Off
MLG	Melling	T4	110/33	52	Off
MNG	Mangere	T1	110/33	118	Off
MNG	Mangere	T2	110/33	118	Off
MNI	Motunui	T3	110/11	23	OLTC
MNI	Motunui	T4	110/11	23	OLTC
MPE	Maungatapere	T1	110/50	13	Off
MPE	Maungatapere	T2	110/33/11	37	Off
MPE	Maungatapere	T3	110/50	31	Off
MPE	Maungatapere	T4	110/33	30	Off
MST	Masterton	T1	110/33	36	Off
MST	Masterton	T2	110/33	36	Off
MTM	Mt Maunganui	T1	110/33	90	OLTC
MTM	Mt Maunganui	T3	110/33	90	OLTC
MTN	Marton	T1	110/33	20	Off
MTN	Marton	T2	110/33	20	Off
MTO	Maungaturoto	T1	110/33	20	OLTC
MTO	Maungaturoto	T2	110/33	20	OLTC
MTR	Mataroa	T2	110/33	20	Off
NPK	National Park	T1	110/33	10	Off
NPL	New Plymouth	T6	110/33	32	Off
NPL	New Plymouth	T7	110/33	32	Off
NPL	New Plymouth	T8	220/110/11	195	OLTC
OKN	Ohakune	T1	110/11	10	OLTC
ONG	Ongarue	T1	110/33	20	Off
OPK	Opunake	T4	110/33	14	OLTC
OPK	Opunake	T5	110/33	14	OLTC
OTA	Otahuhu	T11	220/22	58	OLTC
OTA	Otahuhu	T12	220/22	58	OLTC
OTA	Otahuhu	T2	220/110/11	135	Off
OTA	Otahuhu	T3	220/110/11	324	OLTC
OTA	Otahuhu	T4	220/110/11	254	OLTC
OTA	Otahuhu	T5	220/110	326	OLTC
OWH	Owhata	T1	110/11	11	OLTC
OWH	Owhata	T2	110/11	13	OLTC
PAK	Pakuranga	T5	110/33	136	OLTC
PAK	Pakuranga	T6	110/33	136	OLTC
PEN	Penrose	Quay St	110	60	-
PEN	Penrose	T10	220/110/11	254	OLTC
PEN	Penrose	T11	220/33	226	OLTC
PEN	Penrose	T6	220/110/11	297	OLTC
PEN	Penrose	T8	220/33	203	OLTC
PEN	Penrose	T9	220/33	203	OLTC
PNI	Pauatahanui	T1	110/33	22	Off
PNI	Pauatahanui	T2	110/33	27	OLTC
PRM	Paraparaumu	T3	110/33	70	OLTC
PRM	Paraparaumu	T4	110/33	70	OLTC
RDF	Redclyffe	T1	110/33	40	Off
RDF	Redclyffe	T2	110/33	50	Off
RDF	Redclyffe	T3	220/110	114	OLTC
RDF	Redclyffe	T4	220/110	114	OLTC
ROS	Mt Roskill	KLD Cable	110	60	-
ROS	Mt Roskill	LST Cable	110	150	-
ROS	Mt Roskill	T2	110/22	81	OLTC
ROS	Mt Roskill	T3	110/22	60	OLTC
ROS	Mt Roskill	T4	110/22	81	OLTC
ROT	Rotorua	T2	110/33	66	OLTC
ROT	Rotorua	T3	110/11	25	OLTC
ROT	Rotorua	T4	110/11	26	OLTC
ROT	Rotorua	T5	110/33	63	OLTC
SFD	Stratford	T10	220/110/11	135	OLTC
SFD	Stratford	T5	110/33	23	Off
SFD	Stratford	T6	110/33	23	Off
SVL	Silverdale	T1	220/33	109	OLTC
SVL	Silverdale	T2	220/33	119	OLTC
TAK	Takanini	T5	220/33	123	OLTC
TAK	Takanini	T8	220/33	123	OLTC
TGA	Tauranga	T1	110/11	27	OLTC
TGA	Tauranga	T2	110/11	30	OLTC
TGA	Tauranga	T3	110/33	108	OLTC
TGA	Tauranga	T4	110/33	68	Off
TKH	Te Kaha	T1	50/11	2	Off
TKR	Takapu Rd	T1	110/33	90	OLTC
TKR	Takapu Rd	T2	110/33	90	OLTC
TKU	Tokaanu	T21	220/33	24	Off
TKU	Tokaanu	T22	220/33	24	Off
TMI	Te Matai	T1	110/33	36	Off
TMI	Te Matai	T2	110/33	45	OLTC
TMN	Taumorunui	T5	220/55	18	OLTC
TMN	Taumarunui	T8	220/55	15	OLTC
TMU	Te Awamutu	T1	110/11	40	OLTC
TMU	Te Awamutu	T2	110/11	40	OLTC
TNG	Tangiwai	T11	220/11	58	OLTC
TNG	Tangiwai	T12	220/11	58	OLTC
TNG	Tangiwai	T2	220/55	30	OLTC
TNG	Tangiwai	T3	220/55	36	OLTC
TRK	Tarukenga	T1	220/110/11	248	Off
TRK	Tarukenga	T2	220/110/11	246	Off
TRK	Tarukenga	T4	110/11	20	OLTC
TUI	Tuai	T15	110/11	2	OLTC
TWH	Te Kowhai	T1	220/33	109	OLTC
TWH	Te Kowhai	T2	220/33	109	OLTC
UHT	Upper Hutt	T1	110/33	37	Off
UHT	Upper Hutt	T2	110/33	37	Off

Abbr	Station	System No	Voltage (kV)	MVA 3 Phase	TC
WAI	Waiotahi	T1	110/11	12	OLTC
WAI	Waiotahi	T2	110/11	12	OLTC
WAI	Waiotahi	T3	50/11	3	Off
WDV	Woodville	T1	110/11	4	OLTC
WEL	Wellsford	T1	110/33	30	Off
WEL	Wellsford	T2	110/33	30	Off
WGN	Wanganui	T1	110/33	35	Off
WGN	Wanganui	T2	110/33	24	Off
WHI	Whirinaki	T1	220/11	62	OLTC
WHI	Whirinaki	T2	220/11	62	OLTC
WHI	Whirinaki	T3	220/11	62	OLTC
WHU	Waihou	T1	110/33	26	Off
WHU	Waihou	T2	110/33	25	Off
WHU	Waihou	T3	110/33	23	Off
WIL	Wilton	T3	220/33	109	OLTC
WIL	Wilton	T5	220/33	109	OLTC
WIL	Wilton	T8	220/110/11	293	OLTC
WIR	Wiri	T1	110/33	92	Off
WIR	Wiri	T2	110/33	92	OLTC
WKO	Waikino	T1	110/33	41	Off
WKO	Waikino	T2	110/33	32	Off
WPW	Waipawa	T1	110/33	26	Off
WPW	Waipawa	T2	110/33	25	Off
WRA	Wairoa	T1	110/11	11	OLTC
WRA	Wairoa	T2	110/11	11	OLTC
WRK	Wairakei	T29	220/33	63	Off
WRK	Wairakei	T30	220/33	68	Off
WTU	Whakatu	T3	220/33	116	OLTC
WTU	Whakatu	T4	220/33	116	OLTC
WVY	Waverly	T2	110/11	5	Off