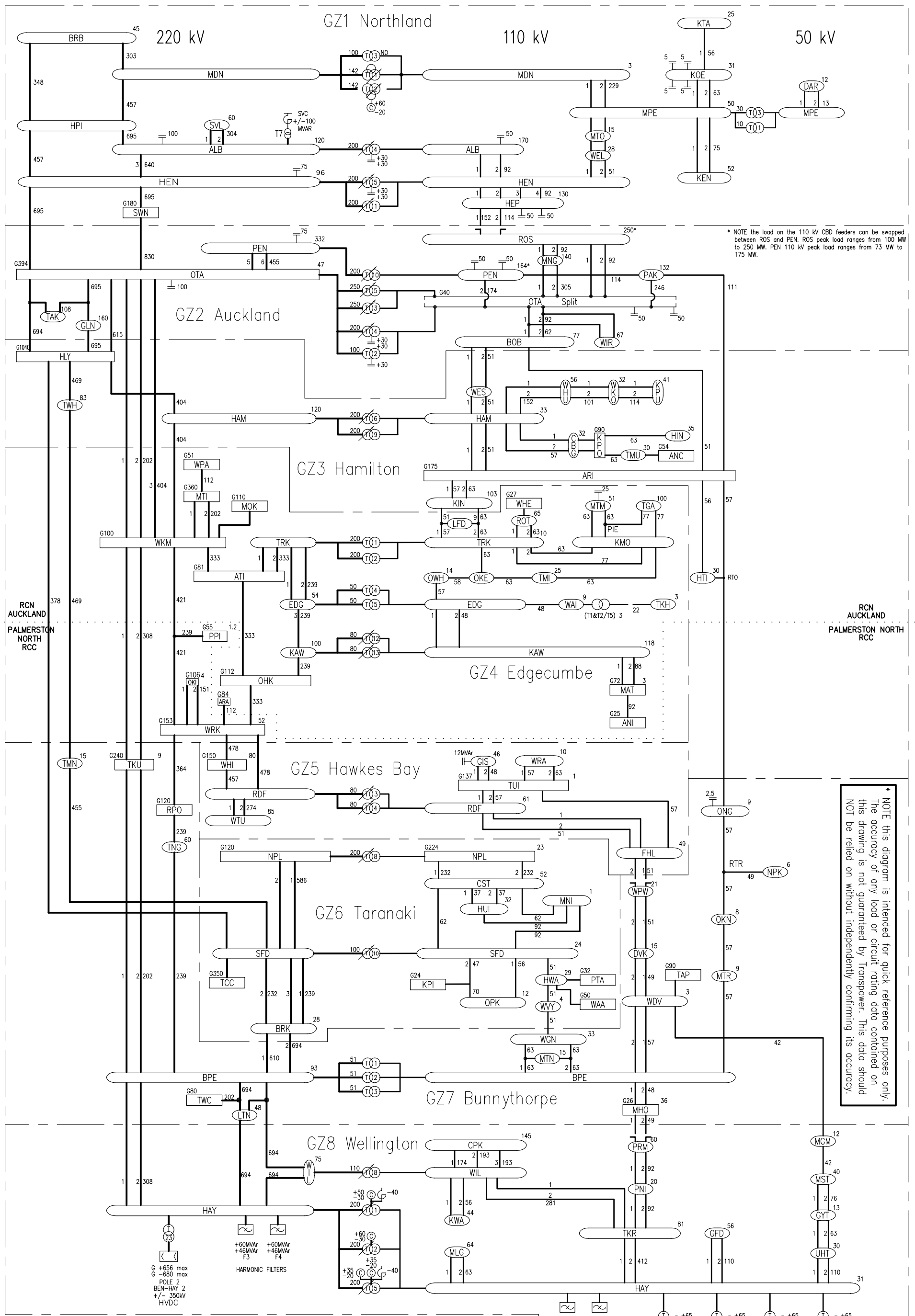


ISSUE	I	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
AP. C.																										

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Amendment	Y	UPDATES TO 16/08/01 ADDED INCLUDING VARIOUS LOAD RATINGS.	BY	CH/D	APP	DATE
	Z	UPDATES TO 10/06/02 ADDED INCLUDING VARIOUS LOAD RATINGS.	BY	BP	TN	06/02
	AA	UPDATES TO 31/03/03 ADDED INCLUDING VARIOUS LOAD RATINGS.	BY	BP	TN	03/04
	AB	UPDATES TO 01/05/04 ADDED INCLUDING VARIOUS LOAD RATINGS.	BY	BP	MM	05/04
Amendment	AC	UPDATES TO 01/05/05 ADDED INCLUDING VARIOUS LOAD RATINGS.	BY	BP	MM	05/05
	AD	HARD C/PK C/C ADDED. RATINGS UPDATED TO 01/01/06.	BY	BP	MM	01/06
	AE	SUBSTATION LOAD PEAKS AND CIRCUIT RATINGS CHANGED. HEP &	BY	BP	MM	09/06
	AF	FEN C/PK ADDED. TWC ADDED. NEW LTN CONFIGURATION SHOWN.	BY	BP	MM	01/07
Amendment	AG	KMO, ALB, SWL 2, ALB SVC, ALB C/P, MGN 13 ADDED.	BY	BP	MM	11/07
	AI		BY	BP	MM	06/08
Amendment	AJ		BY	BP	MM	06/88
	AK		BY	BP	MM	06/88
Amendment	AL		BY	BP	MM	06/88
	AM		BY	BP	MM	06/88
Amendment	AN		BY	BP	MM	06/88
	AO		BY	BP	MM	06/88
Amendment	AP		BY	BP	MM	06/88
	AQ		BY	BP	MM	06/88
Amendment	AR		BY	BP	MM	06/88
	AS		BY	BP	MM	06/88
Amendment	AT		BY	BP	MM	06/88
	AU		BY	BP	MM	06/88
Amendment	AV		BY	BP	MM	06/88
	AW		BY	BP	MM	06/88
Amendment	AX		BY	BP	MM	06/88
	AY		BY	BP	MM	06/88
Amendment	AZ		BY	BP	MM	06/88
	AA		BY	BP	MM	06/88



* NOTE the load on the 110 kV CBD feeders can be swapped between ROS and PEN. ROS peak load ranges from 100 MW to 250 MW. PEN 110 kV peak load ranges from 73 MW to 175 MW.

* NOTE this diagram is intended for quick reference purposes only. The accuracy of any load or circuit rating data contained on this drawing is not guaranteed by Transpower. This data should NOT be relied on without independently confirming its accuracy.

LEGEND		Power Station (showing generation MW)		On Load Tap Change Transformer		220 kV Lines
		Substation (Showing peak load MVA 2005) MD		Rotary Condenser Rating -15 to +30 MVAR		110 kV Lines
		Interconnecting Transformer 100MVA Rating		Static Capacitor - Two Stages Switchable MVAR		50 kV Lines
		Transmission Circuit No.		Summer Conductor rating (MVA)		Regional Boundary
		Operational System Split		Harmonic Filter		HVDC Valve Group

TRANS POWER

TRANS POWER TRANSMISSION

NORTH ISLAND POWER SYSTEM DIAGRAM

LOADFLOW TRANSMISSION LINE RATINGS AND SUBSTATION LOADS

NIPS-6

ISSUE

AG