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

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Amendment	BY	CH'D	APP	Date
AH OHW added. ANC, HAY P1A Removed. Loads, rating info updated.	TN	BP		07/08
AB UPDATES TO 01/05/04 ADDED INCLUDING VARIOUS LOAD RATINGS.	BP	MM	GS	05/04
AC UPDATES TO 01/05/05 ADDED INCLUDING VARIOUS LOAD RATINGS.				

Amendment	BY	CH'D	APP	Date
AD THIRD CPK CCT ADDED. RATINGS UPDATED TO 01/01/06.	BP	MM	GS	01/06
AE SUBSTATION LOAD PEAKS AND CIRCUIT RATINGS CHANGED, HEP & PEN CAPS ADDED.	BP	MM	GS	09/06
AF TWC ADDED, NEW LTN CONFIGURATION SHOWN				
AG KMO, ALB_SVL 2, ALB SVC, ALB CAP, MDN T3 ADDED				

DATE OF CURRENT ISSUE		
07/08	APP. ISSUE C Bull	11/07
	REC. ISSUE P Clark	01/07
	CHECKED P Clark	09/06
	DRAWN S Mutton	01/06
	6/88	6/88
	6/88	6/88

TRANSPOWER

TRANS POWER TRANSMISSION

NORTH ISLAND POWER SYSTEM DIAGRAM
LOADFLOW TRANSMISSION LINE RATINGS
AND SUBSTATION LOADS

NIPS-6

ISSUE AH

GZ1 Northland

GZ2 Auckland

GZ3 Hamilton

GZ4 Edgecumbe

GZ5 Hawkes Bay

GZ6 Taranaki

GZ7 Bunnythorpe

GZ8 Wellington

220 kV

110 kV

50 kV

RCN AUCKLAND

PALMERSTON NORTH RCC

* NOTE the load on the 110 kV CBD feeders can be swapped between ROS and PEN. ROS peak load ranges from 150 MW to 250 MW. PEN 110 kV peak load ranges from 90 MW to 200 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

- Harmonic Filter
- Power Station (showing generation MW)
- Substation (Showing peak load MVA Apr 07 – Apr 08)
- Interconnecting Transformer 100MVA Rating
- HVDC Valve Group
- On Load Tap Change Transformer
- Rotary Condenser Rating −15 to +30 MVAR
- Static Capacitor – Two Stages Switchable MVAR
- 220 kV Lines
- 110 kV Lines
- 50 kV Lines
- Transmission Circuit No.
- Summer Conductor rating (MVA)
- Regional Boundary
- Operational System Split