



23 November 2006

To: CAN Energy Traders

From: Grid Owner

CAN for HVDC Pole One Capability Change

The Grid Owner has advised the System Operator of the following:

The Grid Owner wishes to advise participants that with the return of the half pole P1B to service, the present temporary restriction of 1000 Amps DC current on the half pole P1A will become permanent for each of the half poles P1A and P1B. The purpose of this permanent restriction is to help preserve the integrity of Pole One primary equipment.

This change in capability only effects north power transfer and when there is a single half pole in service or when Pole Two and a single half pole are in service together (see the table below). When both half poles are in service they are already limited to 1000 Amps each.

Note that this restriction on maximum half pole continuous current does not change the temporary ramp up capability in response to HVDC modulations such as spinning reserve sharing.

Summary of Continuous Ratings for, Pole 1: 2 Cables and Pole 2: 1 Cable in North Transfer, South transfer ratings do not change.

North Power Flow Pole 1: 2 Cables Pole 2: 1 Cable	DC sent	AC received
Bipole	1040 MW	964 MW
Pole 2 + one Half Pole	770 MW (was 824 MW)	729 MW
Pole 2 only	500 MW	475 MW
Pole 1 only, both Half Poles at 270 kV	540 MW	489 MW
Pole 1 only, one Half Pole at 270 kV	270 MW (was 324 MW)	255 MW

This will be posted on Grid Owner notices web site, for any questions please e mail gridowner@transpower.co.nz

<http://www.transpower.co.nz/?id=4942>

LIMITATION OF LIABILITY/DISCLAIMER OF WARRANTY

Transpower make no representation or warranties with respect to the accuracy or completeness of the information contained in this Participant Advice Notice. Unless it is not lawfully permitted to do so, Transpower specifically disclaims any implied warranties of merchantability or fitness for any particular purpose and shall in no event be liable for any loss of profit or any other commercial damage including but not limited to special, incidental, consequential or other damages.