



6 July 2009

Siobhan Proctor
Transpower
96 The Terrace
WELLINGTON

First Floor
Genesis Energy Building
Cnr Woodward St & The
Terrace
PO Box 10568
The Terrace
Wellington 6143
New Zealand

Genesis Power Limited
trading as Genesis Energy

Telephone: 04 495 6350

Fax: 04 495 6363

By email: gridinvestmentprojects@transpower.co.nz

Dear Siobhan

UNI Reactive Support

Genesis Power Limited, trading as Genesis Energy, welcomes the opportunity to provide a submission to Transpower on the consultation document "Upper North Island Reactive Support Investigation Project: Assumptions, Approach and Options" dated June 2009.

Genesis Energy offers the following comments:

- it would be useful to understand any interaction between under-investment in static reactive support within the low-voltage networks, and the need for dynamic reactive investment in Transpower's high-voltage network;
- it is not clear from the consultation paper whether a "summer light load" scenario has been checked to ensure it is not the limiting case. This could be plausible if air conditioner usage is particularly high in such a scenario;
- an option of constraining on units at Huntly during the summer months should be evaluated. This approach was used successfully for a number of months between 2000 and 2002; and

- an option of installing fast-acting circuit breakers or protection on critical circuits as a way of reducing the impact of contingencies could be evaluated.

If you would like to discuss any of these matters further, please contact me on 04 495 3348.

Yours sincerely

A handwritten signature in black ink that reads "Ross Parry". The signature is written in a cursive, flowing style.

Ross Parry
Regulatory Affairs Manager
Genesis Energy