

**From:** Phil Caffyn  
**Sent:** Wednesday, 10 September 2008 17:03  
**To:** gdsproject  
**Subject:** GDS - WP1 submission

Thankyou for the opportunity to comment on the WP1.

### **Introductory remarks**

It is pleasing to see Transpower working toward a 2050 horizon, and it may be that this should be considered a minimum. Lines are obviously long-lived assets, so careful thought needs to be given to how different Transpower's asset configuration will actually be in 42 years time ... it may well be that many of today's assets will still be there.

### **The need for wide ranging scenarios**

Despite the obvious preference for "renewables + efficiencies" expressed in the NZES, the EECS and other documents, it would be concerning if alternative scenarios were filtered to fit that thinking. Typical examples of issues that don't fit the "renewables + efficiencies" scenario might be....

- A scenario of low up-take of energy efficiency initiatives.
- A shift away from renewables toward more secure supplies (so that the run-down of non-hydro in the RFI document doesn't actually occur ... what if another thermal station gets built at Huntly or New Plymouth).
- Shifts from other fuels to electricity eg. an "Auckland clean air" scenario in which every fire gets replaced with a heat pump.
- Maybe a geothermal run-down scenario.

### **Some specific comments about issues**

Somewhere in amongst the scenarios, the price of NZ gas probably needs to be linked to global gas prices - perhaps as a variation scenario.

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