

# SOUTHLAND POWER TRUST

Southland Electric Power Supply Consumer Trust

In relation to the Commerce Commission's monitoring of Power Networks

At present Metrics related to networks only consider reliability. From a consumers perspective this is paramount, however our Trust sees quality issues as equally important as well. Power cuts and reliability issues are obvious to a consumer, quality issues are far more tacit.

Consumers see the results of quality issues in the longevity and reliability of their appliances and equipment. Often, there is no answer as to why there are failures with electronic devices.

The culprit is unseen and not easily monitored. This is why we feel it is critical to look at power quality issues within networks, namely:

- Voltage regulation
- Power Factor Control
- Harmonics and dirty power
- Disparities between phases

Improvements in power factor alone can make huge improvements in efficiency of the network. Saving power, and insuring the realisation of the full energy potential of the supply is essential in a well run network.

We suggest to Planners at the Commerce Commission that power quality issues become an essential measure of network efficiency.

Monitoring can easily take place through Smart Meter information, and this should become the Commissions ally in looking into network quality.

We hope this submission will lead to improvements for consumers, both commercial and domestic.

Yours sincerely

A handwritten signature in black ink, appearing to read 'C.T. Findlater', written in a cursive style.

C.T. Findlater (Chair)

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