

# THE LINES COMPANY LIMITED

## Submission on the:

### Electricity Commission

### Consultation Paper

### *Wind Generation Investigation Project*

The opportunity to comment on this Consultation Paper is welcomed, as we are aware of a number of Wind Generation Projects over 30MVA under serious investigation in The Distribution Area of The Lines Company. These are mostly located near the end of light rural distribution or sub-transmission lines.

The project needs to consider the impact of wind generation connected to distribution networks.

Items to be considered should include:

- The effects on grid connection contracts
- The effects on grid interface power factors and connection standards
- Technical issues associated with bi-directional power flows that will come about with wind variability
- Commercial issues associated with Lines Companies covering costs associated with such connections at both the grid exit and to the distribution network

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