



Electric Power Consulting Pty Ltd

Network Analysis



*Electrical Consulting
and Training*

Electric Power Consulting and Electrical Consulting and Training offer electricity distributors an unsurpassed network analysis service.



Electric Power Consulting Pty Ltd

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Key Services, Benefits and Issues:

1. Audit Transmission and Subtransmission 10 year plans:
 - ◆ Independent review of load forecasts and network plans.
 - ◆ Independent verification of compliance with license conditions.
 - ◆ Justification of capital expenditure to regulator and board.
2. Distribution voltage (e.g. 11kV/22kV) profiling and planning:
 - ◆ Provide settings for zone substation, field voltage regulators and distribution transformer taps.
 - ◆ Reduce annoying customer power quality complaints and costly investigations.
 - ◆ Reduce customer claims from damaged equipment.
 - ◆ Highlight and prioritize areas for improvement and solutions.
 - ◆ Act before regulators place strict requirements that may be difficult to achieve.
 - ◆ The 230 volt standard may yet require a plus and minus 6% bandwidth for customers.
 - ◆ Provides additional resources that you may be short of.
3. Network design service to improve power quality:
 - ◆ Customer expectations have risen.
 - ◆ Forecast sag performance and improvement strategies.
 - ◆ Many networks designed for 3.5 kVA ADMD are now stressed and 7.5 kVA are more representative of the load.
4. Develop fault location guidance tools to focus line patrols in the right locations:
 - ◆ Reduce lost customer minutes.
 - ◆ Save time and money.
 - ◆ Minimise complaints.