

New Zealand Gazette

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NORTHPOWER LIMITED

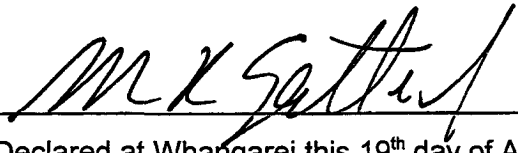
INFORMATION FOR DISCLOSURE

PURSUANT TO THE ELECTRICITY (INFORMATION
DISCLOSURE) REGULATIONS 1994

**STATUTORY DECLARATION IN RESPECT OF FURTHER
INFORMATION REQUESTED BY SECRETARY OF COMMERCE**

I, MARK ROWLAND GATLAND, of Manganese Point Road, Parua Bay, Whangarei, being a principal of Northpower Limited, solemnly and sincerely declare that having made all reasonable enquiry, to the best of my knowledge, the information attached to this declaration is a true copy of information made available to the public pursuant to the Electricity (Information Disclosure) Regulations 1994.

And I make this solemn declaration conscientiously believing the same to be true and by virtue of the Oaths and Declarations Act 1957.



Declared at Whangarei this 19th day of August 1998.



R. L. STEED
Justice of Peace
Tangowahine
R.D. 2
Dargaville

R L Steed, Justice of the Peace.
Kereru Station, Tangowahine Valley, RD2, Dargaville.


**ELECTRICITY (INFORMATION DISCLOSURE) REGULATIONS 1994
REGULATION 26 (2)**

**Certification of Financial Statements, Performance Measures and Statistics
Disclosed by Northpower Ltd.**

We, Robert Lindsay Steed, and Nicole Peta Davies-Colley, Directors of Northpower Limited, certify that, having made all reasonable enquiry, to the best of our knowledge:-

- (a) The attached audited financial statements of Northpower Limited, prepared for the purposes of Regulation 6 of the Electricity (Information Disclosure) Regulations 1994, give a true and fair view of the matters to which they relate and comply with the requirements of those regulations; and
- (b) The attached information, being financial performance measures, efficiency performance measures, energy delivery efficiency performance measures, statistics, and reliability performance measures in relation to Northpower Limited, and having been prepared for the purposes of regulations 13, 14, 15 and 16 of the Electricity (Information Disclosure) Regulations 1994, comply with the requirements of the Electricity (Information Disclosure) Regulations 1994.

The valuations on which those financial performance measures are based are as at 31 March 1998.



R L Steed



N P Davies-Colley

19th August 1998.



Audit New Zealand

**CERTIFICATION BY AUDITOR IN RELATION
TO FINANCIAL STATEMENTS**

We have examined the attached financial statements prepared by Northpower Limited and dated 20 August 1998 for the purposes of Regulation 6 of the Electricity (Information Disclosure) Regulations 1994.

We hereby certify that, having made all reasonable enquiry, to the best of our knowledge, those financial statements give a true and fair view of the matters to which they relate and have been prepared in accordance with the requirements of the Electricity (Information Disclosure) Regulations 1994.



R H D Moore

Audit New Zealand

On behalf of the Controller and Auditor-General

20 August 1998
Whangarei
New Zealand

NORTHPOWER LIMITED

STATEMENT OF FINANCIAL PERFORMANCE - LINE BUSINESS

For the 12 Months Ended 31 March 1998

	1998 \$	1997 \$
Operating Revenue	<u>25,660,300</u>	<u>30,058,440</u>
Operating Surplus Before Taxation	362,953	6,110,589
Taxation Expense	<u>(210,501)</u>	<u>(2,075,938)</u>
Operating Surplus After Taxation	<u>152,452</u>	<u>4,034,651</u>

STATEMENT OF MOVEMENTS IN EQUITY

For the 12 Months Ended 31 March 1998

	1998 \$	1997 \$
Equity at 1 April 1997	51,744,205	49,695,888
Net Surplus for Period	152,452	4,034,651
Revaluation of Assets	-	1,436,666
Dividends	<u>-</u>	<u>(3,423,000)</u>
Equity at 31 March 1998	<u>51,896,657</u>	<u>51,744,205</u>

NORTHPOWER LIMITED

STATEMENT OF FINANCIAL POSITION - LINE BUSINESS

As At 31 March 1998

	1998 \$	1997 \$
CORPORATE OWNERSHIP:		
Share Capital	32,600,000	32,600,000
Asset Revaluation Reserve	5,250,224	5,533,113
Retained Earnings	<u>14,046,433</u>	<u>13,611,092</u>
TOTAL CORPORATE OWNERSHIP	<u>51,896,657</u>	<u>51,744,205</u>
CURRENT ASSETS		
Cash and Bank	-	155,812
Short Term Deposits	2,300,000	6,000,000
Accounts Receivable	3,328,373	3,759,958
Inventory	1,749,055	1,462,061
Tax Refund Due	1,899,358	627,961
Properties for Sale	<u>80,000</u>	<u>662,850</u>
TOTAL CURRENT ASSETS	<u>9,356,786</u>	<u>12,668,642</u>
CURRENT LIABILITIES:		
Bank Overdraft	(151,049)	-
Sundry Creditors	(5,529,951)	(6,591,902)
GST Owed	(15,350)	(113,381)
Provision for Dividend	-	(2,027,700)
Employee Entitlements	<u>(1,302,030)</u>	<u>(1,102,132)</u>
TOTAL CURRENT LIABILITIES	<u>(6,998,380)</u>	<u>(9,835,115)</u>
WORKING CAPITAL	2,358,406	2,833,527
DEFERRED TAXATION	(1,927,725)	(1,807,959)
TERM RECEIVABLES	1,636,654	1,837,043
FIXED ASSETS	<u>49,829,322</u>	<u>48,881,594</u>
NET ASSETS	<u>51,896,657</u>	<u>51,744,205</u>

NORTHPOWER LIMITED

STATEMENT OF FINANCIAL PERFORMANCE - ENERGY BUSINESS

For the 12 Months Ended 31 March 1998

	1998 \$	1997 \$
Operating Revenue	<u>46,088,830</u>	<u>43,635,776</u>
Operating Surplus	1,537,414	2,768,618
Taxation Expense	<u>(514,617)</u>	<u>(909,141)</u>
Operating Surplus After Taxation	<u>1,022,797</u>	<u>1,859,477</u>

STATEMENT OF MOVEMENTS IN EQUITY

For the 12 Months Ended 31 March 1998

	1998 \$	1997 \$
Equity at 1 April 1997	9,081,929	8,799,452
Net Surplus for Period	1,022,797	1,859,477
Dividends	<u>0</u>	<u>(1,577,000)</u>
Equity at 31 March 1998	<u>10,104,726</u>	<u>9,081,929</u>

NORTHPOWER LIMITED

STATEMENT OF FINANCIAL POSITION - ENERGY BUSINESS

As At 31 March 1998

	1998 \$	1997 \$
CORPORATE OWNERSHIP:		
Share Capital	8,249,998	8,249,998
Retained Earnings	<u>1,854,728</u>	<u>831,931</u>
TOTAL CORPORATE OWNERSHIP	<u>10,104,726</u>	<u>9,081,929</u>
CURRENT ASSETS:		
Cash and Bank	-	224,224
Short Term Deposits	2,400,000	2,000,000
Accounts Receivable	5,636,669	5,458,322
Inventory	31,427	57,417
Tax Refund	<u>492,878</u>	<u>-</u>
TOTAL CURRENT ASSETS	<u>8,560,974</u>	<u>7,739,963</u>
CURRENT LIABILITIES:		
Bank Overdraft	(151,048)	-
Sundry Creditors	(4,556,178)	(4,514,280)
GST Owed	(15,355)	(113,380)
Provision for Dividend	-	(929,800)
Employee Entitlements	<u>(295,880)</u>	<u>(250,380)</u>
TOTAL CURRENT LIABILITIES	<u>(5,018,461)</u>	<u>(5,807,840)</u>
WORKING CAPITAL	3,542,513	1,932,123
DEFERRED TAXATION	(129,627)	-
LOAN TO SUBSIDIARY	1,544,837	1,557,959
FIXED ASSETS	<u>5,147,003</u>	<u>5,591,847</u>
NET ASSETS	<u>10,104,726</u>	<u>9,081,929</u>

NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS

For The Year Ended 31 March 1998

	Line Business		Energy Business	
	1998 \$	1997 \$	1998 \$	1997 \$
1. Operating Revenue				
Electricity Sales	23,720,870	28,659,037	40,172,368	39,256,987
Line Contributions	1,622,713	1,065,005	-	-
Contracting Work	-	-	5,055,007	3,523,447
Interest Received	-	-	861,455	855,342
Application Fees etc.	316,717	334,398	-	-
	<u>25,660,300</u>	<u>30,058,440</u>	<u>46,088,830</u>	<u>43,635,776</u>
2. Operating Surplus before Tax				
After Charging:				
Bad Debts Written Off	36,600	43,910	61,991	60,147
Depreciation	3,674,132	2,978,263	350,205	337,700
Directors' Fees	57,000	57,000	57,000	57,000
Interest	1,578	4,705	-	-
Rental and Operating Lease Costs	12,305	14,109	3,900	1,210
Research & Development	3,272	42,439	32,739	58,132
Donations	-	-	-	500
3. Auditors Remuneration				
Auditing Financial Statements	19,900	21,000	2,000	2,000
Other Services	9,000	4,000	9,000	4,000
4. Taxation				
Profit Before Taxation	362,953	6,110,589	1,537,414	2,768,618
Prima Facia Taxation @ 33%	119,774	2,016,494	507,347	913,644
Plus Tax Effect of Permanent Differences:				
Use of Money Interest	-	-	-	-
Depreciation on Globo Assets	112,529	80,076	-	-
Legal Fees	-	-	6,833	5,055
Other Permanent Differences	(5,929)	(1,219)	-	-
Entertainment Expenses	-	-	437	148
Tax on Profits for Year	226,374	2,095,351	514,617	918,847
Prior Period Adjustment	(15,873)	(19,413)	-	(9,706)
	<u>210,501</u>	<u>2,075,938</u>	<u>514,617</u>	<u>909,141</u>
The Taxation Charge is Represented by:-				
Prior Period Adjustment	(15,873)	(19,413)	-	(9,706)
Current Taxation	96,747	1,506,685	384,990	918,847
Deferred Taxation	129,627	588,666	129,627	-
	<u>210,501</u>	<u>2,075,938</u>	<u>514,617</u>	<u>909,141</u>
Movements in Provision for Deferred Taxation:				
Opening Balance	(1,807,959)	(1,246,746)	-	-
Prior Period Adjustment	9,861	27,453	-	-
Current Movement in Timing Differences	(129,627)	(588,666)	(129,627)	-
	<u>(1,927,725)</u>	<u>(1,807,959)</u>	<u>(129,627)</u>	<u>-</u>
Imputation Credit Account:				
Opening Balance	3,377,238	3,475,649	881,670	494,175
Imputation credits attached to dividends paid	(996,429)	(2,093,971)	(460,250)	(521,645)
Income tax payments during year	725,388	1,995,560	1,514,617	909,140
	<u>3,106,192</u>	<u>3,377,238</u>	<u>1,936,037</u>	<u>881,670</u>

NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS (Continued)

	Line Business		Energy Business	
	1998 \$	1997 \$	1998 \$	1997 \$
5. Dividends:				
Dividends - Paid	-	1,395,300	-	647,200
- Proposed	-	2,027,700	-	929,900
	<u>-</u>	<u>3,423,000</u>	<u>-</u>	<u>1,577,000</u>
6. Fixed Assets:				
Distribution System - Cost	69,190,720	65,900,764	5,562,554	5,547,569
Less Accumulated Depreciation	(32,246,920)	(29,047,170)	(974,750)	(695,532)
	<u>36,943,800</u>	<u>36,853,594</u>	<u>4,587,804</u>	<u>4,852,037</u>
Buildings - At Valuation	7,387,354	7,380,302	266,700	366,855
- At Cost	-	-	-	-
Less Accumulated Depreciation	(148,554)	-	(5,334)	-
	<u>7,238,800</u>	<u>7,380,302</u>	<u>261,366</u>	<u>366,855</u>
Plant and Equipment - Cost	4,943,924	3,755,505	318,855	414,181
Less Accumulated Depreciation	(2,094,964)	(1,395,963)	(188,261)	(264,078)
	<u>2,848,960</u>	<u>2,359,542</u>	<u>130,594</u>	<u>150,103</u>
Motor Vehicles - Cost	3,418,237	3,087,774	183,825	125,734
Less Accumulated Depreciation	(1,967,379)	(1,802,268)	(76,646)	(77,942)
	<u>1,450,858</u>	<u>1,285,506</u>	<u>107,179</u>	<u>47,792</u>
Land - At Valuation	1,346,904	1,002,650	60,060	175,060
	<u>49,829,322</u>	<u>48,881,594</u>	<u>5,147,003</u>	<u>5,591,847</u>
- Revalued Land and Buildings are stated at net current values as at 31 March 1997, as determined by Coutts Milburn Ltd, Registered Valuers of Whangarei.				
7. Share Capital:				
Authorised, issued and paid up capital, 40,849,998 ordinary shares of \$1 each, 31 March 1997	32,600,000	32,600,000	8,249,998	8,249,998
Authorised and issued during the year	-	-	-	-
Total Issued and Paid Up Capital	<u>32,600,000</u>	<u>32,600,000</u>	<u>8,249,998</u>	<u>8,249,998</u>
8. Asset Revaluation Reserve:				
Opening Balance	5,533,113	4,230,070	-	-
Transfer to Retained Earnings	(282,889)	(133,623)	-	-
Revaluation 31 March 1997	-	1,436,666	-	-
Balance 31 March 1998	<u>5,250,224</u>	<u>5,533,113</u>	<u>-</u>	<u>-</u>
9. Retained Earnings:				
Balance as at 31 March 1997	13,611,092	12,865,818	831,931	549,454
Operating Surplus	152,452	4,034,651	1,022,797	1,859,477
Transfer from Asset Revaluation	282,889	133,623	-	-
Total Available for Appropriation	14,046,433	17,034,092	1,854,728	2,408,931
Dividends	-	(3,423,000)	-	(1,577,000)
Balance 31 March 1998	<u>14,046,433</u>	<u>13,611,092</u>	<u>1,854,728</u>	<u>831,931</u>
10. Investment in Subsidiaries				
Shares in Subsidiaries (unlisted)			37,548	10
Advances to Subsidiaries			1,507,289	1,557,949
			<u>1,544,837</u>	<u>1,557,959</u>

NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS (Continued)**11. Financial Instruments:**

Financial Instruments which potentially subject the company to credit risk principally consist of cash bank balances, short term deposit, and accounts receivable. Northpower does not generally require collateral from customers.

Northpower places its cash and short term deposits with high credit quality financial institutions (A1 or better), and limits the amount of credit exposure to any one institution in accordance with company policy.

The following methods and assumptions were used to estimate the fair value of each class of financial instrument: bank balances, short term deposits and receivables.

The carrying amount is the fair value for each of these classes of financial instrument.

Revenue Recognition - Electricity Price Hedging Contracts:

On maturity of the electricity price hedges, any difference between the hedge price and the spot market price is settled between the parties. Settlement occurs irrespective of the amount of electricity actually supplied. If the spot market price is greater than the hedge price, electricity generators must settle the difference with Northpower Limited. Conversely, if the spot market price is less than the hedge price, Northpower Limited must settle the difference with electricity generators.

Credit Risk - Electricity Price Hedging Contracts:

With respect to electricity price hedges, Northpower Limited's exposure is on any potential difference between the spot price and the hedge price where, on maturity of these agreements, the spot price is greater than the hedge price. Northpower Limited does not anticipate any non-performance of any obligations which may exist on maturity of these agreements.

Fair Value - Electricity Price Hedging Contracts:

The fair value of electricity price hedging contracts can vary from day to day as the spot market for electricity varies. As at balance date, the secondary market for electricity price hedging contracts was not sufficiently active in order to obtain a reliable measure of the fair value of Northpower Limited's hedging contracts. On maturity of these agreements there is potentially an asset or liability in relation to the electricity price hedges which has not been recognised in the financial statements. As at balance date, the contract amount of the electricity hedging activity amounted to \$43.3 million.

12. Segment Information:

Northpower Ltd operates predominantly in the electricity supply industry within the Northland area.

Northpower is also involved in generation and contracting, but neither activity is considered significant.

13. Contingent Liabilities:

Guarantee of subsidiaries bank overdraft \$75,000.

A claim against Northpower Ltd has been lodged in the Employment Court. The claim is not material.

14. Commitments:

	Line Business		Energy Business	
	1998 \$	1997 \$	1998 \$	1997 \$
Estimated capital commitments contracted for at balance date	0	440,000	417,000	440,070

The commitments relate to a new computer system.

15. Related Parties:

The Northpower Electric Power Trust is the sole shareholder. Other than dividend payment, there are no related transactions.

16. Term Receivables:

The Term Receivables are repaid in annual amounts expiring in 2003. Interest of 10.1% is charged on the annual balance owing.

NORTHPOWER LTD**STATEMENT OF ACCOUNTING POLICIES**

For The Year Ended 31 March 1998

Reporting Entity

Northpower Ltd is a public company formed under the Energy Companies Act 1992 and registered under the Companies Act 1993.

The financial statements have been prepared in accordance with the Financial Reporting Act 1993.

Measurement Base

The general accounting policies recognised as appropriate for the measurement and reporting of results, cashflows and financial position under the historical cost method, as modified by the revaluation of land and buildings, have been followed in the preparation of these financial statements.

Particular Accounting Policies

The following particular accounting policies, which significantly affect the measurement of profit and of financial position, have been applied:

- (i) **Sales**
Sales shown in the Statement of Financial Performance comprise the amounts received and receivable by the Company for goods and services supplied to customers in the ordinary course of business. Sales are stated exclusive of Goods and Services Tax collected from customers.
- (ii) **Investments**
Investments are stated at cost.
- (iii) **Properties Intended For Sale**
Properties intended for sale are classified as current assets if sale is expected within 1 year. Such properties are shown at carrying value unless this exceeds net realisable value.
- (iv) **Cost of Fixed Assets**
The cost of purchased fixed assets is the value of the consideration given to acquire the assets and the value of other directly attributable costs which have been incurred in bringing the assets to the location and condition necessary for their intended service.

The cost of assets constructed by the Company includes the cost of all materials used in construction, direct labour on the project and an appropriate proportion of production overhead. Costs cease to be capitalised as soon as the asset is ready for productive use.

All fixed assets are initially recorded at cost.

Land and buildings are subsequently valued by independent registered valuers on a three-yearly basis. The basis of the valuation is net current value.

- (v) **Depreciation**
Depreciation is charged on a straight line basis so as to write off the cost or valuation of the fixed assets to their estimated residual value over their expected economic lives. The estimated economic lives are as follows:-

Distribution system	5-30 years
Buildings	50 years
Motor vehicles	5-10 years
Plant and equipment	5-10 years

(vi) **Inventories**

Stocks and work-in-progress are stated at the lower of cost and net realisable value.

The cost of stocks is principally determined on a weighted average basis.

The cost of work-in-progress includes materials, and a portion of direct labour and production overhead appropriate to the stage of completion attained.

(vii) **Debtors**

Debtors are stated at estimated realisable value after providing against debts where collection is doubtful.

(viii) **Taxation**

The taxation charge against the profit for the year is the estimated liability in respect of that profit after allowance for permanent differences. This is the comprehensive basis for the calculation of deferred taxation.

The Company follows the liability method of accounting for deferred taxation.

Future taxation benefits attributable to losses carried forward, or timing differences, are recognised in the financial statements only where there is virtual certainty of realisation.

(ix) **Research and Development Costs**

Research and development costs are normally expensed in the period incurred except that development costs are deferred where future benefits are expected to exceed these costs. Deferred development costs are amortised over future periods on a basis related to expected future revenue.

(x) **Financial Instruments - Credit Risk**

Northpower has a potential concentration of credit risk in relation to the small number of customers who represent a significant portion of trading activity.

Northpower has limited its exposure to credit risk in respect of its investments by only investing in institutions with a high credit rating, and limiting the amount that can be invested in any one institution. Northpower believes this policy reduces the risk of any loss which could arise from its investing activities.

Northpower has entered into electricity price hedging contracts with electricity generators in order to minimise the risk of price fluctuations on the electricity spot market. Assets, liabilities, and any unrealised revenues and expenses associated with these instruments as at balance date, are not recognised in the financial statements.

Realised revenues and expenses are recognised in the statement of financial performance on maturity of the hedging contracts and are incorporated as part of the cost of wholesale electricity.

(xi) **GST**

These Financial Statements are prepared on a GST exclusive basis.

Changes in Accounting Policies:

There have been no changes in accounting policies.



Audit New Zealand

CERTIFICATION FOR PERFORMANCE MEASURES

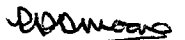
BY AUDITORS

We have examined the attached information, being:

- (a) Financial performance measures specified in clause 1 of Part II of the First Schedule to the Electricity (Information Disclosure) Regulations 1994; and
- (b) Financial components of the efficiency performance measures specified in clause 2 of Part II of that Schedule,

and having being prepared by Northpower Limited and dated 20 August 1998 for the purposes of Regulation 13 of those regulations.

We certify that, having made all reasonable enquiry, to the best of our knowledge, the information has been prepared in accordance with the Electricity (Information Disclosure) Regulations 1994.



R H D Moore

Audit New Zealand

On behalf of the Controller and Auditor-General

20 August 1998

Whangarei

New Zealand

DISCLOSURE OF FINANCIAL PERFORMANCE MEASURES AND EFFICIENCY PERFORMANCE MEASURES PURSUANT TO REGULATION 13 AND PART II OF THE FIRST SCHEDULE OF THE ELECTRICITY (INFORMATION DISCLOSURE) REGULATIONS 1994.

1. Financial Performance Measures	1995	1996	1997	1998
(a) Accounting return on total assets, being earnings before interest and tax, divided by average total funds employed	6.9%	7.6%	7.0%	2.0%
(b) Accounting return on equity, being net profit after tax, divided by average total shareholders' funds.	5.1%	5.5%	5.3%	2.1%
(c) Accounting rate of profit	5.5%	6.2%	6.5%	8.9%

2. Efficiency Performance Measures	1995	1996	1997	1998
(a) Direct line cost per kilometre	\$923	\$967	\$1,063	\$1,139
(b) Indirect line cost per electricity customer	\$55	\$79	\$79	\$83

<u>Regulation 14A</u>	
ODV for line business assets (as at 31 March 1998)	\$115,163,916

DISCLOSURE OF ENERGY EFFICIENCY PERFORMANCE MEASURES AND STATISTICS PURSUANT TO REGULATION 15 OF THE ELECTRICITY (INFORMATION DISCLOSURE) REGULATIONS 1994

1. Energy Delivery Efficiency Performance Measures	1995	1996	1997	1998
(a) Load Factor	64.54%	66.47%	68.70%	73.18%
(b) Loss Ratio	5.32%	4.94%	4.10%	3.64%
(c) Capacity Utilisation	43.25%	41.95%	39.60%	35.61%

2. Statistics	1995	1996	1997	1998
(a) System length, broken down by voltage:				
- 33 kV	191.8 km	191.8 km	191.8 km	202.6 km
- 11 kV	3000.8 km	3038.1 km	3081.3 km	3143.4 km
- 400 V	1684.0 km	1696.4 km	1714.1 km	1758.5 km
- Total	<u>4876.6 km</u>	<u>4926.3 km</u>	<u>4987.2 km</u>	<u>5104.5 km</u>
(b) Circuit length of overhead lines, broken down by voltage:				
- 33 kV	181.1 km	181.1 km	181.1 km	190.0 km
- 11 kV	2956.9 km	2989.8 km	3029.6 km	3094.6 km
- 400 V	1507.4 km	1511.4 km	1515.1 km	1508.1 km
- Total	<u>4654.4 km</u>	<u>4682.3 km</u>	<u>4725.8 km</u>	<u>4792.7 km</u>
(c) Circuit length of underground cables broken down by voltage:				
- 33 kV	10.7 km	10.7 km	10.7 km	12.6 km
- 11 kV	43.9 km	48.3 km	51.7 km	48.7 km
- 400V	176.6 km	185.0 km	199.0 km	190.4 km
- Total	<u>231.2 km</u>	<u>244.0 km</u>	<u>261.4 km</u>	<u>251.7 km</u>
(d) Transformer capacity	305,091 kVA	319,619 kVA	328,141 kVA	360,620 kVA
(e) Maximum demand	131,923 kW	134,095 kW	129,939 kW	128,298 kW
(f) Total electricity supplied from the system	706,215,792 kWh	736,177,108 kWh	758,234,709 kWh	792,983,840 kWh
(g) Total electricity conveyed through the system for other retailers	Nil	8,487,862 kWh	8,532,038 kWh	510,618 kWh
(h) Total customers	42,557	43,146	43,202	43,371

**DISCLOSURE OF RELIABILITY PERFORMANCE MEASURES PURSUANT TO REGULATION 16
OF THE ELECTRICITY (INFORMATION DISCLOSURE) REGULATIONS 1994**

	1995	1996	1997	1998
1. Total number of interruptions	827	758	839	986
(a) Planned interruptions by Trans Power	0	0	1	0
(b) Planned interruptions by Northpower	524	477	460	628
(c) Unplanned interruptions originating within Northpower system	298	277	370	358
(d) Unplanned interruptions originating within Trans Power system	5	3	8	0
(e) Unplanned interruptions originating within ECNZ system	0	1	0	0
(f) Unplanned interruptions originating within other generator's systems	0	0	0	0
(g) Unplanned interruptions originating from other than above	0	0	0	0
2. Total number of faults per 100 circuit kilometres of prescribed voltage electric line	9.49	9.31	10.72	10.81
3. Total number of faults per 100 circuit kilometres of underground prescribed voltage line and per different nominal line voltages:-	4.08	5.09	1.61	4.84
11 kV underground	4.89	4.15	2.00	6.12
33 kV underground	Nil	9.37	0	0
4. Total number of faults per 100 circuit kilometres of overhead prescribed voltage lines and per different nominal line voltages:-	8.38	8.64	11.67	10.81
11 kV overhead	8.49	8.80	11.78	10.79
33 kV overhead	6.20	6.08	10.00	11.56
5. The SAIDI for the total of interruptions	238.0 mins	248.6 mins	379.43 mins	240.51mins
6. The SAIDI for the total number of interruptions within each interruption class:-				
(a) Planned interruptions by Trans Power	0	0	19.28 mins	0 mins
(b) Planned interruptions by Northpower	74.29 mins	70.77 mins	81.95 mins	115.36 mins
(c) Unplanned interruptions originating within Northpower system	137.32 mins	156.75 mins	205.95 mins	125.16 mins
(d) Unplanned interruptions originating within Trans Power system	26.39 mins	18.06 mins	71.67 mins	0 mins
7. The SAIFI for the total number of interruptions.	5.8 intrupts	5.2 intrupts	7.66 intrupts	4.031 intrupts
8. The SAIFI for the total number of interruptions within each interruption class:-				
(a) Planned interruptions by Trans Power	0	0	0.065 intrupts	0 intrupts
(b) Planned interruptions by Northpower	0.88 intrupts	0.69 intrupts	0.71 intrupts	0.969 intrupts
(c) Unplanned interruptions originating within Northpower system	3.83 intrupts	3.61 intrupts	4.576 intrupts	3.062 intrupts
(d) Unplanned interruptions originating within Trans Power system	0.84 intrupts	0.68 intrupts	2.304 intrupts	0 intrupts
9. The CAIDI for the total of all interruptions	41.10 mins	48.31 mins	49.6 mins	59.7 mins
10. The CAIDI for the total number of interruptions within each interruption class:-				
(a) Planned interruptions by Trans Power	0	0	300 mins	0 mins
(b) Planned interruptions by Northpower	84.35 mins	102.33 mins	115.7 mins	119.0 mins
(c) Unplanned interruptions originating within Northpower system	35.90 mins	43.36 mins	45.0 mins	40.9 mins
(d) Unplanned interruptions originating within Trans Power system	26.39 mins	26.68 mins	31.1 mins	0 mins



Audit New Zealand

**CERTIFICATION BY AUDITOR IN RELATION
TO ODV VALUATION**

We have examined the valuation report prepared by Ernst and Young and dated 20 July 1998.

We hereby certify that, having made all reasonable enquiry, to the best of our knowledge, the valuations contained in the report have been made in accordance with the ODV Handbook.



R H D Moore
Audit New Zealand
On behalf of the Controller and Auditor-General

20 August 1998
Whangarei
New Zealand



