**Electricity Information Disclosure Number 43**

# UnitedNetworks Limited

## Amendment to

## Financial Statements, Performance Measures & Statistics Disclosure
**For the year ended 31 March 2002**

***pursuant to***

**The Electricity (Information Disclosure) Regulations 1999**
**read with**
**Electricity (Information Disclosure) Amendment Regulations 2000**

**This amendment replaces pages 26 - 29 of Disclosure 41**

## 3.3 ENERGY DELIVERY EFFICIENCY PERFORMANCE MEASURES AND STATISTICS
## For the year ended 31 March 2002

| | Schedule 1 – PART 4 | 2002 | 2001 | 2000 | 1999 | 1998 |
|---|---|---|---|---|---|---|
| **1** | **Energy delivery efficiency performance measures** | | | | | |
| **a** | **Load factor** | **61.27%** | **58.88%** | **58.87%** | **59.94%** | **55.70%** |
| | *a/bc * 100 where* | | | | | |
| | *a = kWh of electricity entering system* | *7,283,111,083* | *7,120,433,531* | *6,864,048,000* | *6,681,341,709* | *3,607,989,950* |
| | *b = maximum demand* | *1,356,970* | *1,380,517* | *1,327,434* | *1,272,484* | *657,584* |
| | *c = total number of hours in financial year* | *8,760* | *8,760* | *8,784* | *8,760* | *9,851* |
| **b** | **Loss ratio** | **5.63%** | **5.34%** | **4.50%** | **5.44%** | **6.20%** |
| | *a/b * 100 where* | | | | | |
| | *a = losses of electricity in kWh* | *410,072,575* | *380,164,078* | *309,179,016* | *363,708,921* | *223,695,377* |
| | *b = kWh of electricity entering system* | *7,283,111,083* | *7,120,433,531* | *6,864,048,000* | *6,681,341,709* | *3,607,989,950* |
| **c** | **Capacity utilisation** | **34.91%** | **37.25%** | **35.54%** | **34.03%** | **39.63%** |
| | *a/b * 100 where* | | | | | |
| | *a = maximum demand* | *1,356,970* | *1,380,517* | *1,327,434* | *1,272,484* | *657,584* |
| | *b = transformer capacity (kVA)* | *3,887,571* | *3,705,855* | *3,735,466* | *3,739,313* | *1,659,135* |

## 3.3 ENERGY DELIVERY EFFICIENCY PERFORMACE MEASURES AND STATISTICS (continued)

| | Schedule 1 – PART 4 | 2002 | 2001 | 2000 | 1999 | 1998 |
|---|---|---|---|---|---|---|
| **2** | **Statistics** | | | | | |
| **a** | **System length – total (kms)** | **30,021.83** | **28,846.20** | **24,910.50** | **24,218.50** | **13,289.84** |
| | 110kV | 36.45 | 36.50 | 25.00 | 25.00 | 25.40 |
| | 66kV | 150.26 | 156.60 | 144.00 | 144.00 | 143.81 |
| | 50kV | - | - | - | - | - |
| | 33kV | 1,282.57 | 1,308.60 | 1,436.50 | 1,365.50 | 772.57 |
| | 22kV | - | - | - | - | - |
| | 11kV | 13,033.49 | 12,996.40 | 12,240.00 | 12,102.50 | 6,526.15 |
| | 6.6kV | - | - | - | - | - |
| | 3.3kV | - | - | - | - | - |
| | 230/400 V | 15,519.06 | 14,348.10 | 11,065.00 | 10,581.50 | 5,821.91 |
| **b** | **Circuit length – o/h (kms)** | **19,339.94** | **18,549.90** | **16,876.00** | **16,696.00** | **10,124.27** |
| | 110kV | 27.67 | 27.70 | 25.00 | 25.00 | 25.40 |
| | 66kV | 150.26 | 156.60 | 144.00 | 144.00 | 143.81 |
| | 50kV | - | - | - | - | - |
| | 33kV | 997.86 | 1,027.30 | 1,072.00 | 1,071.50 | 680.88 |
| | 22kV | - | - | - | - | - |
| | 11kV | 9,944.78 | 9,968.5 | 9,321.50 | 9,438.00 | 5,465.13 |
| | 6.6kV | - | - | - | - | - |
| | 3.3kV | - | - | - | - | - |
| | 230/400 V | 8,219.37 | 7,396.80 | 6,313.50 | 6,017.50 | 3,809.05 |
| **c** | **Circuit length – u/g (kms)** | **10,681.89** | **10,296.30** | **8,034.50** | **7,522.50** | **3,165.57** |
| | 110kV | 8.78 | 8.80 | - | - | - |
| | 66kV | - | - | - | - | - |
| | 50kV | - | - | - | - | - |
| | 33kV | 284.71 | 281.30 | 364.50 | 294.00 | 91.69 |
| | 22kV | - | - | - | - | - |
| | 11kV | 3,088.71 | 3,027.90 | 2,918.50 | 2,664.50 | 1,061.02 |
| | 6.6kV | - | - | - | - | - |
| | 3.3kV | - | - | - | - | - |
| | 230/400 V | 7,299.70 | 6,978.30 | 4,751.50 | 4,564.00 | 2,012.86 |
| **d** | **Transformer capacity (kVA)** | 3,887,571 | 3,705,855 | 3,735,466 | 3,739,313 | 1,659,135 |
| **e** | **Maximum demand (kWh)** | 1,356,970 | 1,380,517 | 1,327,434 | 1,272,484 | 657,584 |
| **f** | **Total electricity entering the system (before losses of electricity) in kWh:** | | | | | |
| | | 7,283,111,083 | 6,740,269,453* | 6,554,868,984* | 6,317,632,788* | 3,384,294,573* |
| | ** Comparatives are for total electricity supplied from the system after losses of electricity in kWh* | | | | | |
| **g** | **Total amount of electricity (in kWh) supplied from the system, after losses of electricity, during the financial year on behalf of each person that is an electricity generator or an electricity retailer or both:** | | | | | |
| | On Energy (previously TransAlta) | 1,328,877,777 | 3,576,249,078 | 4,115,559,838 | 954,312,486 | - |
| | Trustpower | 1,490,659,159 | 1,483,009,486 | 1,236,430,880 | 228,008,660 | - |
| | First Electric | - | 54,445,430 | 149,231,368 | - | - |
| | Empower | - | 134,109,341 | 18,695,939 | 546,385 | - |
| | Meridian | 461,355,825 | 4,759,528 | 17,146,507 | - | - |
| | Mighty River | 578,293,427 | 20,194,008 | 4,396,398 | - | - |
| | Mercury | - | 118,160,350 | 2,218,739 | 444,189,000 | - |
| | Contact | 483,471,506 | 200,851,992 | 1,311,841 | 63,091,832 | - |
| | Energy Waikato (NGC Wel Energy) | 32,119,355 | 149,552,573 | 896,525 | - | - |
| | Bay of Plenty | - | - | 307,593 | - | - |
| | Energy Options | - | - | 144,289 | - | - |
| | Genesis | 1,694,727,680 | 313,613,163 | 107,161 | - | - |
| | Todd Energy | 221,562,973 | 62,935,543 | - | - | - |
| | Carter Holt Harvey Pulp & Paper | 356,632,518 | 325,821,080 | - | - | - |
| | KCE Retail Ltd | - | 50,576,296 | - | - | - |
| | Phoenix | - | 120,069 | - | - | - |
| | NZ Co-op Dairy Group | 99,213,310 | - | - | - | - |
| | NZ Sugar | 14,790,327 | - | - | - | - |
| | Energy Online | 50,638,387 | - | - | - | - |
| | Other | 60,696,264 | 626,035,594 | 1,317,600,922 | 4,627,484,425 | - |
| | **Total (kWh)** | 6,873,038,508 | 7,120,433,531^ | 6,864,048,000^ | 6,317,632,788 | - |
| | *^ Comparatives are for the total amount of electricity (in kWh) conveyed through the system, before losses of electricity, on behalf of each person that is an electricity generator or electricity retailer or both.* | | | | | |
| **h** | **Total number of consumers** | 505,057 | 492,387 | 479,972 | 469,953 | 223,765 |

## 3.4 RELIABILITY PERFORMANCE MEASURES
**For the year ended 31 March 2002**

**Schedule 1 – PART 5**

| | Interruptions | Ave Target 2003/07 | Target 2003 | Actual 2002 | 2001 | 2000 | 1999 | 1998 |
|---|---|---|---|---|---|---|---|---|
| **1-3** | **Total** | | | **2,229** | **2,258** | **2,258** | **2,421** | **1,683** |
| | Class A | | | 2 | - | 1 | 5 | 1 |
| | Class B - planned | 850 | 850 | 971 | 831 | 828 | 1,002 | 645 |
| | Class C - unplanned | 1,100 | 1,200 | 1,234 | 1,421 | 1,077 | 1,402 | 1,032 |
| | Class D | | | 18 | 6 | 19 | 12 | 5 |
| | Class E | | | 3 | - | - | - | - |
| | Class F | | | 1 | - | - | - | - |
| | Class G | | | - | - | - | - | - |
| | Class H | | | - | - | - | - | - |
| | Class I | | | - | - | - | - | - |
| | | | | | | | **Within 3 hrs** | **Within 24 hrs** |
| **4** | **Proportion of total class C interruptions not restored** | | | | | | | |
| | *a/b * 100 where* | | | | | | **29.82%** | **0.32%** |
| | *a = no. of interruptions not restored within* | | | | | | *368* | *4* |
| | *b = total number of Class C interruptions* | | | | | | *1,234* | *1,234* |
| | **Faults** | **Ave Target 2003/07** | **Target 2003** | **2002** | **2001** | **2000** | **1999** | **1998** |
| **5** | **Faults per 100 circuit kms** | | | **9.50** | **10.00** | **8.79** | **10.47** | **13.32** |
| | 110kV | | | - | - | - | - | - |
| | 66kV | 5.00 | 5.00 | 6.00 | 3.99 | 6.25 | 1.47 | 4.87 |
| | 50kV | | | - | - | - | - | - |
| | 33kV | 8.00 | 8.00 | 8.40 | 10.91 | 6.96 | 5.49 | 8.03 |
| | 22kV | | | - | - | - | - | - |
| | 11kV | 9.00 | 9.00 | 9.71 | 10.38 | 9.05 | 11.14 | 14.19 |
| | 6.6kV | | | - | - | - | - | - |
| | 3.3kV | | | - | - | - | - | - |
| | 230/400 V | | | - | - | - | - | - |
| **6** | **Faults per 100 circuit kms (underground)** | | | **4.20** | **5.00** | **5.63** | **4.73** | **6.41** |
| | 110kV | | | - | - | - | - | - |
| | 66kV | | | - | - | - | - | - |
| | 50kV | | | - | - | - | - | - |
| | 33kV | | | 2.67 | 5.70 | 4.66 | 2.72 | 2.18 |
| | 22kV | | | - | - | - | - | - |
| | 11kV | | | 4.38 | 5.01 | 5.76 | 4.95 | 6.78 |
| | 6.6kV | | | - | - | - | - | - |
| | 3.3kV | | | - | - | - | - | - |
| | 230/400 V | | | - | - | - | - | - |
| **7** | **Faults per 100 circuit kms (overhead)** | | | **11.23** | **12.00** | **9.77** | **12.06** | **14.58** |
| | 110kV | | | - | - | - | - | - |
| | 66kV | | | 6.00 | 3.99 | 6.25 | 3.47 | 4.87 |
| | 50kV | | | - | - | - | - | - |
| | 33kV | | | 10.10 | 12.35 | 7.74 | 6.25 | 8.81 |
| | 22kV | | | - | - | - | - | - |
| | 11kV | | | 11.45 | 12.00 | 10.08 | 12.88 | 15.62 |
| | 6.6kV | | | - | - | - | - | - |
| | 3.3kV | | | - | - | - | - | - |
| | 230/400 V | | | - | - | - | - | - |

## 3.4 RELIABILITY PERFORMANCE MEASURES (continued)

**Schedule 1 – PART 5**

| | | Ave targets 2003/07 | Targets 2003 | Actual 2002 | 2001 | 2000 | 1999 | 1998 |
|---|---|---|---|---|---|---|---|---|
| **8-11** | **SAIDI** | | | **121.85** | **130.25** | **108.88** | **179.32** | **171.19** |
| | Class A | | | 0.01 | - | 0.01 | 6.50 | - |
| | Class B - planned | 20 | 20 | 21.27 | 15.18 | 17.18 | 22.48 | 28.39 |
| | Class C - unplanned | 93 | 96 | 98.09 | 107.68 | 80.98 | 143.89 | 134.25 |
| | Class D | | | 2.13 | 7.40 | 10.71 | 6.47 | 8.55 |
| | Class E | | | 0.35 | - | - | - | - |
| | Class F | | | - | - | - | - | - |
| | Class G | | | - | - | - | - | - |
| | Class H | | | - | - | - | - | - |
| | Class I | | | - | - | - | - | - |
| | *a/b where* | | | | | | | |
| | *a = sum of interruption duration factors* | | | *61,541,348* | *64,133,932* | *52,257,815* | *84,273,989* | *38,306,330* |
| | *Class A* | | | *7,377* | *-* | *6,661* | *3,052,862* | *-* |
| | *Class B* | *10,500,000* | *10,300,000* | *10,740,624* | *7,472,526* | *8,244,468* | *10,562,925* | *6,352,688* |
| | *Class C* | *48,580,000* | *49,450,000* | *49,541,419* | *53,018,462* | *38,866,409* | *67,619,428* | *30,040,451* |
| | *Class D* | | | *1,077,309* | *3,642,944* | *5,140,277* | *3,038,774* | *1,913,191* |
| | *Class E* | | | *174,386* | *-* | *-* | *-* | *-* |
| | *Class F* | | | *233* | *-* | *-* | *-* | *-* |
| | *Class G* | | | *-* | *-* | *-* | *-* | *-* |
| | *Class H* | | | *-* | *-* | *-* | *-* | *-* |
| | *Class I* | | | *-* | *-* | *-* | *-* | *-* |
| | *b = total consumers* | *525,000* | *515,000* | *505,057* | *492,387* | *479,972* | *469,953* | *223,765* |
| **12-15** | **SAIFI** | | | **2.00** | **2.03** | **1.91** | **2.38** | **2.90** |
| | Class A | | | - | - | 0.01 | 0.03 | - |
| | Class B - planned | 0.10 | 0.10 | 0.12 | 0.09 | 0.11 | 0.14 | 0.18 |
| | Class C - unplanned | 1.62 | 1.67 | 1.66 | 1.80 | 1.53 | 1.97 | 2.37 |
| | Class D | | | 0.20 | 0.14 | 0.26 | 0.24 | 0.35 |
| | Class E | | | 0.01 | - | - | - | - |
| | Class F | | | - | - | - | - | - |
| | Class G | | | - | - | - | - | - |
| | Class H | | | - | - | - | - | - |
| | Class I | | | - | - | - | - | - |
| | *a/b where* | | | | | | | |
| | *a = sum of electricity consumers* | | | *1,008,822* | *991,151* | *918,663* | *1,117,292* | *648,919* |
| | *Class A* | | | *467* | *-* | *6,661* | *16,431* | *-* |
| | *Class B* | *52,500* | *51,500* | *61,166* | *43,167* | *50,470* | *64,529* | *40,278* |
| | *Class C* | *849,000* | *860,000* | *839,061* | *887,023* | *735,852* | *924,582* | *530,323* |
| | *Class D* | | | *100,562* | *68,961* | *125,680* | *111,750* | *78,318* |
| | *Class E* | | | *7,565* | *-* | *-* | *-* | *-* |
| | *Class F* | | | *1* | *-* | *-* | *-* | *-* |
| | *Class G* | | | *-* | *-* | *-* | *-* | *-* |
| | *Class H* | | | *-* | *-* | *-* | *-* | *-* |
| | *Class I* | | | *-* | *-* | *-* | *-* | *-* |
| | *b = total consumers* | *525,000* | *515,000* | *505,057* | *492,387* | *479,972* | *469,953* | *223,765* |

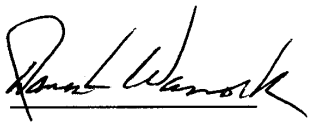
**FORM 5: CERTIFICATION OF PERFORMANCE MEASURES, AND STATISTICS DISCLOSED BY LINE OWNERS OTHER THAN TRANSPOWER**

We, Philip Michael Smith and Daniel Wayne Warnock, directors of UnitedNetworks Limited certify that, having made all reasonable enquiry, to the best of our knowledge, -

a) The attached information, being the efficiency performance measures, energy delivery efficiency performance measures, statistics, and reliability performance measures in relation to UnitedNetworks Limited, and having been prepared for the purposes of regulations 15, 16, 21, and 22 of the Electricity (Information Disclosure) Regulations 1999, read with Electricity (Information Disclosure) Amendment Regulations 2000, comply with the requirements of those regulations.

Philip Michael Smith

30 September 2002



Daniel Wayne Warnock

30 September 2002