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New Zealand Gazette

OF THURSDAY, 3 OCTOBER 2002

WELLINGTON: FRIDAY, 4 OCTOBER 2002 — ISSUE NO. 148

UNITEDNETWORKS LIMITED

INFORMATION FOR DISCLOSURE

Amendment

PURSUANT TO THE ELECTRICITY (INFORMATION DISCLOSURE) REGULATIONS 1999 AND THE ELECTRICITY (INFORMATION DISCLOSURE) AMENDMENT REGULATIONS 2000 AND 2001

This supplement replaces the following information in the UnitedNetworks Limited Information For Disclosure Pursuant to the Electricity (Information Disclosure) Regulations 1999 and the Electricity (Information Disclosure) Amendment Regulations 2000 and 2001, Issue No. 122, dated Tuesday, 27 August 2002:



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

Daniel Wayne Warnock

30 September 2002

30 September 2002

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 perfor | mance meas | ures | | | |
| а | 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 |
| L | b = transformer capacity (kVA) | 3,887,571 | 3,705,855 | 3,735,466 | 3,739,313 | 1,659,135 |



3.3 ENERGY DELIVERY EFFICIENCY PERFORMANCE MEASURES AND STATISTICS (continued)

| Schedule 1 - PART 4 | 2002 | 2001 | 2000 | 1999 | 199 | | | | |
|--|----------------------|--------------------------|--------------------------|--|---|--|--|--|--|
| Statistics | | | | | | | | | |
| System length - total (kms) | 30,021.83 | 28,846.20 | 24,910.50 | 24,218.50 | 13,289.8 | | | | |
| 110kV | 36.45 | 36.50 | 25.00 | 25.00 | 25.4 | | | | |
| 66kV | 150.26 | 156.60 | 144.00 | 144.00 | 143.8 | | | | |
| 50kV | - | - | 0.5.0.0.55 | - | 0.000 | | | | |
| 33kV | 1,282.57 | 1,308.60 | 1,436.50 | 1,365.50 | 772.5 | | | | |
| 22kV | - | - 1,500.00 | 2,130.30 | - | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | |
| 11kV | 13,033.49 | 12,996.40 | 12,240.00 | 12,102.50 | 6,526.1 | | | | |
| 6.6kV | 2000 | 5.0 | | - | 38 | | | | |
| 3.3kV | 190 | 8378 | | | | | | | |
| 230/400 V | 15,519.06 | 14,348.10 | 11,065.00 | 10,581.50 | 5,821.9 | | | | |
| Circuit length - o/h (kms) | 19,339.94 | 18,549.90 | 16,876.00 | 16,696.00 | 10,124.2 | | | | |
| 110kV | 27.67 | 27.70 | 25.00 | 25.00 | 25.4 | | | | |
| 66kV | 150.26 | 156.60 | 144.00 | 144.00 | 143.8 | | | | |
| 50kV | • | <u>-</u> | 100000 | | | | | | |
| 33kV | 997.86 | 1,027.30 | 1,072.00 | 1,071.50 | 680.8 | | | | |
| 22kV | | - | -/ | 2000 | | | | | |
| | 9.944.78 | 9,968.5 | 9,321.50 | 9,438.00 | 5,465. | | | | |
| 11kV 6.6kV | 9,944.70 | 5,500.5 | 5,321.30 | 9,430.00 | 3,403 | | | | |
| 3.3kV | 1927 | 1920 | | | | | | | |
| 230/400 V | 8,219.37 | 7,396.80 | 6,313.50 | 6,017.50 | 3,809.0 | | | | |
| Circuit length - u/g (kms) | 10,681.89 | 10,296.30 | 8,034.50 | 7,522.50 | 3,165.5 | | | | |
| 110kV | 8.78 | 8.80 | - | | | | | | |
| 66kV | - | - | 920 | 2 | | | | | |
| 50kV | · 😅 | 343 | | | | | | | |
| 33kV | 284.71 | 281.30 | 364.50 | 294.00 | 91.6 | | | | |
| 22kV | - | 50 - 50 | | | | | | | |
| 11kV | 3,088.71 | 3,027.90 | 2,918.50 | 2,664.50 | 1,061.0 | | | | |
| 6.6kV | | 1727 | _ | | | | | | |
| 3.3kV | 123 | 84 | + | / | | | | | |
| 230/400 V | 7,299.70 | 6,978.30 | 4,751.50 | 4,564.00 | 2,012. | | | | |
| Transformer capacity (kVA) | 3,887,571 | 3,705,855 | 3,735,466 | 3,739,313 | 1,659,1 | | | | |
| Maximum demand (kWh) | 1,356,970 | 1,380,517 | 1,327,434 | 1,272,484 | 657,58 | | | | |
| Total electricity entering the system (before losses of electricity) in kWh: | | | | | | | | | |
| | 7,283,111,083 | 6,740,269,453* | 6,554,868,984* | 5,317,632,788* 3 | ,384,294,57 | | | | |
| Comparatives are for total electricity supplied from the system after losses of electricity in kWh total amount of electricity (in kWh) supplied from the system, after losses of electricity, during the financial rear 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 | F46 20F | | | | | |
| Empower | 461,355,825 | 134,109,341 4,759,528 | 18,695,939 17,146,507 | 546,385 | | | | | |
| Meridian 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 | 9 | - | 307,593 144,289 | | | | | | |
| Energy Options 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 | - | 7 | | | | | |
| KCE Retail Ltd | ¥ | 50,576,296 | | 54 | | | | | |
| Phoenix NZ Co-op Dairy Group | 99,213,310 | 120,069 | | 1 | | | | | |
| NZ Sugar | 14,790,327 | - 53 | | | | | | | |
| Energy Online | 50,638,387 | | 12,212,123,2 | | | | | | |
| Other | 60,696,264 | 626,035,594 | 1,317,600,922 | 경기 등에 하면 없다 하는 경기를 하는데 | | | | | |
| 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 elec- | ctricity generator o | r electricity retailer | or both. | | | | | | |
| Total number of consumers | 505,057 | 492,387 | 479,972 | 469,953 | 223,7 | | | | |



3.4 RELIABILITY PERFORMANCE MEASURES For the year ended 31 March 2002

| | Schedule 1 - PART 5 | | 200 | | | | | |
|-----|---|------------------|-----------|---------|-------|------------------|--------------------|------------------|
| | T=4===== | Ave Target | Target | | 2004 | Actua | | 4000 |
| | Interruptions | 2003/07 | 2003 | | 2001 | 2000 | 1999 | 1998 |
| 1-3 | Total | | | 10.00 | 2,258 | 2,258 | 2,421 | 1,683 |
| | Class A | 2222 | 112122 | _ 2 | - | 1 | 5 | |
| | Class B - planned | 850 | 850 | | 831 | 828 | 1,002 | 645 |
| | Class C - unplanned | 1,100 | 1,200 | | 1,421 | 1,077 | 1,402 | 1,032 |
| | Class D | | 1 | 18 | 6 | 19 | 12 | 5 |
| | Class E | | | 3 | - | - | - | |
| | Class F | | | 1 | 2 | _ | | |
| | Class G | | | - | _ | _ | - | |
| | Class H | | | 102 | - | - | - | |
| | Class I | | | | | 9.40 | - | |
| | | | | | | 0 | Within 3 hrs | Within 24 hrs |
| 4 | Proportion of total cla | ss C interruptio | ns not re | estored | 1 | 72 | | 0.32% |
| | a/b * 100 where 29.82% | | | | | | | |
| | a = no. of interruptions not r | | | | | | 368 | 4 |
| | b = total number of Class C interruptions | | | | | 7 2 co 2 km to c | 1,234 | 1,234 |
| | 09220000 434 AV | Ave Target | Target | | | Actua | | |
| | Faults | 2003/07 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
| 5 | Faults per 100 circuit 110kV | kms | | 9.50 | 10.00 | 8.79 | 10.47 | 13.32 |
| | 66kV | 5.00 | 5.00 | 6.00 | 3.99 | 6.25 | 1.47 | 4.87 |
| | 50kV | 5.00 | 3.00 | 0.00 | 3.33 | 0.23 | 1.47 | 4.07 |
| | 33kV | 8.00 | 8.00 | 8.40 | 10.91 | 6.96 | 5.49 | 8.03 |
| | | 6.00 | 8.00 | 0.40 | 10.91 | 0.90 | 3.49 | 6.03 |
| | 22kV | 0.00 | 9.00 | 0.71 | 10.38 | 0.05 | 11.14 | 14.19 |
| | 11kV | 9.00 | 9.00 | 9.71 | 10.36 | 9.05 | 11.14 | 14.19 |
| | 6.6kV | | | | - | 3990 | 0.00 | Ī |
| | 3.3kV | | | | | - 1 | | - |
| | 230/400 V | | 4 | - | - | - | :: - :: | |
| 6 | Faults per 100 circuit | kms (undergro | und) | 4.20 | 5.00 | 5.63 | 4.73 | 6.41 |
| | 110kV | | | - | - | 27.7 | - | |
| | 66kV | | | | | | 9. - 5 | 7 |
| | 50kV | | | - | | - | | - |
| | 33kV | | | 2.67 | 5.70 | 4.66 | 2.72 | 2.18 |
| | 22kV | | | - | - | _ | - | - |
| | 11kV | | U, | 4.38 | 5.01 | 5.76 | 4.95 | 6.78 |
| | 6.6kV | | 33 | - | - | - | _ | |
| | 3.3kV | | | - | - | - | 24 | |
| | 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 | | | 2 | - | - | - | |
| | 11kV | | | 11.45 | 12.00 | 10.08 | 12.88 | 15.62 |
| | 6.6kV | | | - | - | - | - | , |
| | 3.3kV | | | - | - | - | - | |
| | 230/400 V | | | - | - | 2.43 | - | |



3.4 RELIABILITY PERFORMANCE MEASURES (continued)

| | | Ave targets | Targets | 2012/2012/2012 | | Actual | | |
|------|----------------------------------|-------------|------------|----------------|------------|------------|------------------|------------|
| | | 2003/07 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
| B-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 | | | 2 | _ | 2 | 12 | |
| | Class G | | | 2 | - | _ | 9 92 | - 1 |
| | Class H | | | | - | _ | - 4 | 14 |
| | Class I | | | | - | | | - |
| | a/b where | | | | | | | |
| | a = sum of interruption duration | on factors | | 61,541,348 | 64,133,932 | 52,257,815 | 84,273,989 | 38,306,330 |
| | Class A | | | 7,377 | | | 3,052,862 | |
| | Class B | 10,500,000 | 10,300,000 | | | | | 6,352,688 |
| | Class C | | 49,450,000 | | | | | |
| | Class D | | | | 3,642,944 | | | |
| | Class E | | | 174,386 | | | | |
| | Class F | | | 233 | - | | | |
| | Class G | | | = | 10- | | | |
| | Class H | | | - | - | - | - | |
| | Class I | | | 2 | 22 | - 2 | 2 | - 1 |
| | b = total consumers | 525,000 | 515,000 | 505,057 | 492,387 | 479,972 | 469,953 | 223,765 |
| 12- | | | | | | 4.0000000 | | |
| 15 | SAIFI | | | 2.00 | 2.03 | 1.91 | | 2.90 |
| | Class A | | | - | - | 0.01 | | |
| | Class B - planned | 0.10 | 0.10 | | | | | 0.18 |
| | Class C - unplanned | 1.62 | 1.67 | 1.66 | 1.80 | | | 2.37 |
| | Class D | | | 0.20 | | 0.26 | 0.24 | 0.35 |
| | Class E | | | 0.01 | 1 | - | - | - |
| | Class F | | | - | - | : ± | - | = |
| | Class G | | | - | - | | - | - |
| | Class H | | | - | - | - | | - |
| | Class I | | | - | - | - | g 3 5 | - |
| | a/b where | | | | | | | |
| | a = sum of electricity consume | ers | | 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 | | - | 9 77 95 | - |
| | Class F | | | 1 | ×2. | - | | |
| | Class G | | | 2 | - | - | - | 2 |
| | Class H | | | - | - | - | 3 | |
| | Class I | | | 2 | - | | | |
| | b = total consumers | 525,000 | 515,000 | 505,057 | 492,387 | 479,972 | 469,953 | 223,765 |

