

FINANCIAL PERFORMANCE MEASURES AND EFFICIENCY PERFORMANCE MEASURES

(For the purposes of the Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity
(Information Disclosure) Amendment Regulations 2000)

SCHEDULE 1 - PART 3

	2000	1999	1998	1997	1996
1. Financial performance measures					
(a) Return on funds	9.61%	9.44%	(1.53)%	12.80%	13.45%
(b) Return on equity	7.51%	5.76%	(8.64)%	10.24%	10.93%
(c) Return on investment	6.46%	8.83%	(12.38)%	9.54%	29.24%
2. Efficiency performance measures					
(a) Direct line cost per kilometre	\$ 2,283.61 \$	\$ 2,746.16 \$	\$ 2,830.15 \$	\$ 2,893.73 \$	\$ 2,775.00
(b) Indirect line cost per customer	\$ 134.99 \$	\$ 213.27 \$	\$ 83.73 \$	\$ 55.69 \$	\$ 50.63

ENERGY DELIVERY EFFICIENCY PERFORMANCE MEASURES AND STATISTICS
 (For the purposes of the Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity
 (Information Disclosure) Amendment Regulations 2000)

SCHEDULE 1 - PART 4

1. Energy delivery efficiency performance measures

	2000	1999	1998	1997
(a) Load factor	60.88%	58.06%	56.71%	55.46%
(b) Loss ratio	4.50%	4.47%	4.50%	4.34%
(c) Capacity utilisation	39.09%	35.40%	35.15%	35.95%

2. Statistics

(a) System length (in kilometres)

	400V	6.6kV	11kV	22kV	33kV	110kV	Total
*2000	4,952.67	259.09	2,932.83	189.76	292.82	84.10	8,711.25
1999	4,747.18	414.45	3,236.26	251.46	294.42	70.66	9,014.41
1998	4,732.28	415.89	3,092.57	249.90	261.49	60.86	8,812.99
1997	4,714.19	419.40	2,944.89	249.90	240.46	60.86	8,629.70

(b) Total circuit length (in kilometres) of overhead electric lines

	400V	6.6kV	11kV	22kV	33kV	110kV	Total
*2000	2,012.36	59.90	1,071.39	0.00	55.18	15.75	3,214.58
1999	1,800.60	91.99	1,177.86	0.00	64.66	5.25	3,140.36
1998	1,809.10	93.74	1,196.22	0.00	64.66	0.00	3,163.71
1997	1,823.96	97.25	1,216.90	0.00	64.66	0.00	3,202.76

(c) Total circuit length (in kilometres) of underground electric lines

	400V	6.6kV	11kV	22kV	33kV	110kV	Total
*2000	2,940.32	199.19	1,861.44	189.76	237.64	68.35	5,496.68
1999	2,946.58	322.46	2,058.39	251.46	229.76	65.41	5,874.06
1998	2,923.19	322.15	1,896.35	249.90	196.83	60.86	5,649.28
1997	2,890.23	322.15	1,727.99	249.90	175.80	60.86	5,426.93

* Data from computerised mapping system (GIS), previous years data from paper based systems.

ENERGY DELIVERY EFFICIENCY PERFORMANCE MEASURES AND STATISTICS

(For the purposes of the Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity (Information Disclosure) Amendment Regulations 2000)

	2000	1999	1998	1997
(d) Transformer capacity (MVA)	2,276.80	2,537.61*	2,657.45*	2,613.45*
(e) Maximum demand (kW)	889,896	898,212	934,154	939,662
(f) Total electricity supplied (kWh)	4,423,646,932	4,363,866,868	4,432,166,623	4,367,119,190
(g) Total amount of electricity (kWh) conveyed through the system on behalf of each person that is an electricity retailer or generator, or both	4,632,091,028	507,455,757	244,212,463	107,232,001
Company A	3,596,656,415			
Company B	164,955,627			
Company C	753,622			
Company D	22,317,420			
Company E	59,134,908			
Company F	29,942,630			
Company G	151,262,287			
Company H	31,071,999			
Company I	148,461,144			
Company J	396,755,205			
Company K	30,726,946			
Company L	52,825			
(h) Total consumers (average)	259,577	255,010	251,155	246,684

* Includes transformer capacity for customer owned transformers (1999: 262.97(MVA))

RELIABILITY PERFORMANCE MEASURES TO BE DISCLOSED BY LINE OWNERS (OTHER THAN TRANSPower)

(For the purposes of the Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity (Information Disclosure) Amendment Regulations 2000)

SCHEDULE 1 - PART 5

Reliability performance measures

1. Interruptions	2005	2004	2003	2002	2001	2000	1999	1998	1997
Total number of interruptions according to class:									
Class A						-	-	-	-
Class B						50	80	274	104
Class C						397	521	490	662
Class D						1	4	6	8
Class E						-	-	-	-
Class F						-	-	-	-
Class G						-	-	-	-
Class H						-	-	-	-
Class I						-	-	-	-
Total interruptions						448	605	770	774
2. Interruption targets									
(a) Planned (Class B)					45				
(b) Unplanned (Class C)					375				
3. Average interruption targets									
(a) Planned (Class B)	28	33	38	43	48				
(b) Unplanned (Class C)	265	288	323	360	385				
4. The proportion (expressed as a percentage) of the total number of Class C interruptions not restored within									
(a) 3 hours						2.87			
(b) 24 hours						0.00			

RELIABILITY PERFORMANCE MEASURES TO BE DISCLOSED BY LINE OWNERS (OTHER THAN TRANSPOWER)

(For the purposes of the Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity (Information Disclosure) Amendment Regulations 2000)

Faults	2005	2004	2003	2002	2001	2000	1999	1998	1997
---------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

5. Faults per 100 circuit kilometres of prescribed voltage electric lines

(a) The total number of faults						10.51	12.30	12.01	15.17
(b) The targetted number of faults					9.92				
(c) The average number of faults	6.91	7.54	8.50	9.52	10.22				
(d) Breakdown of (a) to (c) according to line voltage:									

	6.6kV	11kV	22kV	33kV	110kV	Total
(a) 2000	1.93	12.48	5.27	3.42	4.76	10.51
(b) 2001	1.91	11.69	4.22	2.73	4.76	9.92
(c) 2001	1.92	12.08	4.74	3.07	4.76	10.22
(c) 2002	1.91	11.19	3.95	2.56	5.30	9.52
(c) 2003	1.67	9.98	3.43	2.22	5.12	8.50
(c) 2004	1.43	8.85	2.90	2.05	4.39	7.54
(c) 2005	1.43	8.07	2.63	2.05	4.39	6.91

6. Number of faults per 100 circuit kilometres of prescribed voltage underground cables

	6.6kV	11kV	22kV	33kV	110kV	Total
2000	1.00	7.84	5.27	2.52	1.46	6.45
1999	1.24	9.72	6.76	3.05	6.12	7.92
1998	1.86	8.70	3.60	8.13	13.14	7.48
1997	0.93	10.24	2.40	4.55	14.79	8.00

7. Number of faults per 100 circuit kilometres of prescribed voltage overhead lines

	6.6kV	11kV	22kV	33kV	110kV	Total
2000	5.01	20.53	0.00	7.25	0.25	19.13
1999	4.35	23.69	0.00	10.83	0.22	21.87
1998	5.33	23.16	0.07	4.64	0.00	21.11
1997	7.20	29.75	0.00	34.02	0.00	28.36

RELIABILITY PERFORMANCE MEASURES TO BE DISCLOSED BY LINE OWNERS (OTHER THAN TRANSPower)

(For the purposes of the Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity (Information Disclosure) Amendment Regulations 2000)

SAIDI	2005	2004	2003	2002	2001	2000	1999	1998	1997
8. The SAIDI for the total interruptions						59.174328	82.263108	153.3174	123.771489
9. SAIDI targets for following financial year									
(a) Planned (Class B)					3.05				
(b) Unplanned (Class C)					41.95				
10. Average SAIDI targets									
(a) Planned (Class B)	2.425	2.6	2.8	2.975	3.2169945				
(b) Unplanned (Class C)	29.425	31.9	35.2	39.525	47.851526				
11. The SAIDI for the total interruptions within each interruption class									
Class A					-	-	-	-	
Class B					3.3839889	6.4910092	35.408326	12.3363047	
Class C					53.753052	74.70137	117.90908	95.337557	
Class D					2.0372877	1.0707287	-	16.0976273	
Class E					-	-	-	-	
Class F					-	-	-	-	
Class G					-	-	-	-	
Class H					-	-	-	-	
Class I					-	-	-	-	

RELIABILITY PERFORMANCE MEASURES TO BE DISCLOSED BY LINE OWNERS (OTHER THAN TRANSPower)

(For the purposes of the Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity (Information Disclosure) Amendment Regulations 2000)

SAIFI	2005	2004	2003	2002	2001	2000	1999	1998	1997
12. The SAIFI for the total interruptions						1.1362546	1.2569767	1.7154427	2.19490857
13. SAIFI targets for following financial year									
(a) Planned (Class B)					0.0169444				
(b) Unplanned (Class C)					0.7768519				
14. Average SAIFI targets									
(a) Planned (Class B)	0.0134722	0.01555556	0.0155556	0.0165278	0.0178471				
(b) Unplanned (Class C)	0.6745392	0.70669306	0.7369557	0.7667278	0.8835131				
15. The SAIFI for the total interruptions within each interruption class									
Class A						-	-	-	-
Class B						0.0187498	0.0330929	0.1479246	0.21711268
Class C						0.9901744	1.1564824	1.5675181	1.62097704
Class D						0.1273305	0.0674014	-	0.35681885
Class E						-	-	-	-
Class F						-	-	-	-
Class G						-	-	-	-
Class H						-	-	-	-
Class I						-	-	-	-

RELIABILITY PERFORMANCE MEASURES TO BE DISCLOSED BY LINE OWNERS (OTHER THAN TRANSPOWER)

(For the purposes of the Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity (Information Disclosure) Amendment Regulations 2000)

CAIDI	2005	2004	2003	2002	2001	2000	1999	1998	1997
16. The CAIDI for the total interruptions						52.078404	65.445213	89.374833	56.3902711
17. CAIDI targets for following financial year									
(a) Planned (Class B)					180				
(b) Unplanned (Class C)					54				
18. Average CAIDI targets									
(a) Planned (Class B)	180	180	180	180	180.24081				
(b) Unplanned (Class C)	50.5	51.5	52.5	53.5	54.143225				
19. The CAIDI for the total interruptions within each interruption class									
Class A					-	-	-	-	
Class B					180.48161	196.14516	239.36741	56.8198256	
Class C					54.28645	64.593607	75.220234	58.8148719	
Class D						16	15.885851	-	45.1142857
Class E					-	-	-	-	
Class F					-	-	-	-	
Class G					-	-	-	-	
Class H					-	-	-	-	
Class I					-	-	-	-	

Description of interruption classes as per Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity (Information Disclosure) Amendment F

- Class A Planned Transpower interruption
- Class B Planned interruption by a line operator (other than Transpower)
- Class C Unplanned interruption originating within the principal line owners works
- Class D Unplanned Transpower interruption
- Class E Unplanned interruption originating within the principal line owners works (generation)
- Class F Unplanned interruption (as E above) by persons other than principal line owner (generation)
- Class G Unplanned interruption caused by another line owner
- Class H Planned interruption caused by another line owner
- Class I Other (an interruption not referred to above)

SCHEDULE 1 - PART 7
FORM FOR THE DERIVATION OF FINANCIAL PERFORMANCE MEASURES FROM FINANCIAL STATEMENTS

Derivation Table	Input and Calculations \$000	Symbol in formula	ROF \$000	ROE \$000	ROI \$000
Operating surplus before interest and income tax from financial statements	69,926				
Operating surplus before interest and income tax adjusted pursuant to regulation 18 (OSBIIT)	69,926				
Interest on cash, bank balances, and short-term investments (ISTI)	4,219				
OSBIIT minus ISTI	65,707	a	65,707		65,707
Net surplus after tax from financial statements	41,602				
Net surplus after tax adjusted pursuant to regulation 18 (NSAT)	41,602	n		41,602	
Amortisation of goodwill and amortisation of other intangibles	0	g	add 0	add 0	add 0
Subvention payment	0	s	add 0	add 0	add 0
Depreciation of SFA at BV (x)	19,342				
Depreciation of SFA at ODV (y)	19,342				
ODV depreciation adjustment	0	d	add 0	add 0	add 0
Subvention payment tax adjustment	0	s*t		deduct 0	deduct 0
Interest tax shield	2,703	q			deduct 2,703
Revaluations	0	r			add 0
Income tax	18,804	p			deduct 18,804
Numerator			65,707 OSBIIT ^{ADJ} = a + g + s + d	41,602 NSAT ^{ADJ} = n + g + s - s*t + d	44,201 OSBIIT ^{ADJ} = a + g - q + r + s + d - p - s*t
Fixed assets at end of previous financial year (FA ₀)	783,386				
Fixed assets at end of current financial year (FA ₁)	888,832				
Adjusted net working capital at end of previous financial year (ANWC ₀)	-41,336				
Adjusted net working capital at end of current financial year (ANWC ₁)	-46,323				
Average total funds employed (ATFE) (or regulation 33 time-weighted average)	792,280	c	792,280		792,280
Total equity at end of previous financial year (TE ₀)	587,346				
Total equity at end of current financial year (TE ₁)	737,370				
Average total equity (or regulation 33 time-weighted average)	662,358	k		662,358	
WUC at end of previous financial year (WUC ₀)	72,996				
WUC at end of current financial year (WUC ₁)	143,790				
Average total works under construction (or regulation 33 time-weighted average)	108,393	e	deduct 108,393	deduct 108,393	deduct 108,393

**SCHEDULE 1 - PART 7
FORM FOR THE DERIVATION OF FINANCIAL PERFORMANCE MEASURES FROM FINANCIAL STATEMENTS**

Derivation Table	Input and Calculations \$000	Symbol in formula	ROF \$000	ROE \$000	ROI \$000
Revaluations	0	r			
Half of revaluations	0	r/2			deduct 0
Intangible assets at end of previous financial year (IA ₀)	0				
Intangible assets at end of current financial year (IA ₁)	0				
Average total intangible asset (or regulation 33 time-weighted average)	0	m		add 0	
Subvention payment at end of previous financial year (S ₀)	0				
Subvention payment at end of current financial year (S ₁)	0				
Subvention payment tax adjustment at end of previous financial year	0				
Subvention payment tax adjustment at end of current financial year	0				
Average subvention payment & related tax adjustment	0	v		add 0	
System fixed assets at end of previous financial year at book value (SFA _{bv0})	710,139				
System fixed assets at end of current financial year at book value (SFA _{bv1})	707,582				
Average value of system fixed assets at book value (or regulation 33 time-weighted average)	708,861	f	deduct 708,861	deduct 708,861	deduct 708,861
System Fixed assets at year beginning at ODV value (SFA _{odv0})	710,139				
System Fixed assets at end of current financial year at ODV value (SFA _{odv1})	707,582				
Average value of system fixed assets at ODV value (or regulation 33 time-weighted average)	708,861	h	add 708,861	add 708,861	add 708,861
Denominator			683,887 ATFE ^{ADJ} = c - e - f + h	553,965 Ave TE ^{ADJ} = k - e - m + v - f + h	683,887 ATFE ^{ADJ} = c - e - ½r - f + h
Financial Performance Measure:			9.6 ROF = OSBIIT ^{ADJ} /ATFE ^{ADJ} x 100	7.5 ROE = NSAT ^{ADJ} /ATE ^{ADJ} x 100	6.5 ROI = OSBIIT ^{ADJ} /ATFE ^{ADJ} x 100

t = maximum statutory income tax rate applying to corporate entities bv = book value ave = average odv = optimised deprival valuation subscript '0' = end of the previous financial year
subscript '1' = end of the current financial year ROF = return on funds ROE = return on equity ROI = return on investment

ANNUAL VALUATION RECONCILIATION REPORT

(For the purposes of the Electricity (Information Disclosure) Regulations 1999 as amended by the Electricity (Information Disclosure) Amendment Regulations 2000)

Schedule 1 - Part 8

Year ending 31 March 2000	\$000
System fixed assets at ODV - end of the previous financial year	710,139
Add system fixed assets acquired during the year	16,785
Less system fixed assets disposed of during the year at ODV	0
Less depreciation on system fixed assets at ODV	19,342
Add revaluation of system fixed assets	0
<u>Equals system fixed assets at ODV - end of the financial year</u>	<u>707,582</u>