

UnitedNetworks Limited

Electricity Information Disclosure Number 40

March 2002

Amended December 2002

Changes to Line Charges

Effective from 1 April 2002

pursuant to

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

**Electricity (Information Disclosure)
Amendment Regulations 2000**

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FORM 8 : STATUTORY DECLARATION IN RESPECT OF STATEMENTS AND INFORMATION SUPPLIED TO SECRETARY
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I, Daniel Wayne Warnock, of Auckland, being Chief Executive Officer of UnitedNetworks 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 under the Electricity (Information Disclosure) Regulations 1999, read with Electricity (Information Disclosure) Amendment Regulations 2000.

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 Takapuna this day of 2002

Solicitor

1. INTRODUCTION

- 1.1 This document refers to changes in UnitedNetworks Limited's Electricity Network Line charges applicable to certain categories with effect from 1 April 2002.
- 1.2 The information in this document was prepared by UnitedNetworks Limited after making all reasonable inquiry and to the best of its knowledge the information complies with Regulations 26, 28 and 29 of the Electricity (Information Disclosure) Regulations 1999 read with Electricity (Information Disclosure) Amendment Regulations 2000.
- 1.3 The information in this document is not intended by UnitedNetworks Limited to constitute an offer of services to the public.
- 1.4 The information is available on request at:-
44 Taharoto Road
Takapuna
Auckland

And on the Internet at:-

[http://www.unitednetworks .co.nz](http://www.unitednetworks.co.nz) (under About Us- Disclosures)
- 1.5 In this document, words and expressions have the meaning given to them in the Regulations Act, unless otherwise specified.
- 1.6 For the purpose of this Disclosure:
"UnitedNetworks" means UnitedNetworks Limited

2. DISCLOSURE OF LINE CHARGES: REGULATION 26, 28 AND 29

Disclosure pursuant to Electricity (Information Disclosure) Regulations 1999 and Electricity (Information Disclosure) Amendment Regulations 2000, Part 6

Other lines and Use of System charges or conditions may also apply. Please refer to the full UnitedNetworks Pricing Schedule.

All charges exclude GST (Goods and Services Tax)

Total line rates are quoted including their transmission component.

WAITEMATA NETWORK

Points of Supply: Albany, Henderson, Hepburn Rd, Wellsford

Unmetered	Previous Line Rates	Estimated Number of Customers	New Line Rates
	(c/kWh)		(c/kWh)
Unmetered supply other than streetlighting 1)	9.20	6	9.24
Unmetered streetlighting 2)	9.20	118	9.24
Temporary Builders Supplies - Single Phase 60 Amp	\$1.23 per day	1,386	\$1.23 per day
Temporary Builders Supplies - Three Phase 60 Amp	\$3.49 per day	1	\$3.49 per day

1) Consumption will be determined on a case-by-case basis, dependent on load profile. A minimum load factor of 10% will be applied to the input wattage.

2) Consumption will be determined by multiplying the input wattage with the number of night hours as published in the NZ Herald.

Residential and Small Commercial (capacity less than 3 phase 60 Amps)

	Previous Line Rates B		Previous Line Rates A			Estimated Number of Customers	New Line Rates		
	Fixed Rate (c/day)	Variable Rate (c/kWh)	Tariff Option	Fixed Rate (c/day)	Variable Rate (c/kWh)		Fixed Rate (c/day)	Variable Rate (c/kWh)	
Low capacity single phase 20A	30	5.69	Low Usage	Single Meter	11.15	5.64	91,343	11.21	5.67
Residential single phase 60A	60	2.91		Two Meter - Controlled	na	na	-	11.21	4.82
Residential two phase 60A	60	2.91		Two Meter - Uncontrolled	na	na	-	6.23	6.23
Residential three phase 60A	60	2.91	High Usage	Single Meter	41.22	3.95	79,280	41.46	4.03
Commercial single phase 60A	80	2.79		Two Meter - Controlled	41.22	3.35	2,399	41.46	3.21
Commercial two phase 60A	154	2.38		Two Meter - Uncontrolled	-	4.34	-	4.36	4.36
Commercial three phase 20A	96	2.59	Night Supply Only		-	1.27	-	-	1.29

These rates apply to all Residential and Small Commercial 1 and 2 phase 60 Amp and all 20 Amp customers.

Options are mutually exclusive, both fixed and variable rates apply.

Tariff Option Controlled/Uncontrolled only available for consumers with two or more meters, conditional on consumer equipment (hot water cylinders, electric kilns, swimming and spa pool heaters) being permanently wired to a separate controlled meter. Both controlled and uncontrolled variable rates apply.

Night rate only available for appliances permanently wired to a separate meter.

End- Consumers with capacity 3 phase 60 Amps and greater

Fixed, transformer capacity (where applicable) and variable rates apply.	Previous Line Rates		Estimated Number of Customers	New Line Rates		
	Fixed Rate (\$/day)	Variable Rate (c/kWh)		Fixed Rate (\$/day)	Transformer Rate (\$/day)	Variable Rate (c/kWh)
Commercial three phase 60A	2.17	1.88	8,182	2,1812		1,8897
Commercial three phase 100A	7.83	1.52	1,311	7,8705		1,5279
Commercial three phase 160A	13.97	1.40	273	14,0423		1,4072
Commercial three phase 200A	20.12	1.27	267	20,2241		1,2786
						24 hour supply controlled 19 hours on
> 200 Amp up to 299 kVA closed (see note 3)	poa	poa	31	29.62	4,2642	1,1138 0,7794
> 200 Amp up to 299 kVA	poa	poa	67	40.51	4,2642	1,5448 1,0810
300kVA	poa	poa	18	40.51	4,9982	1,5448 1,0810

3) closed to all new and existing End-Consumers except for those specified by UnitedNetworks as qualifying for this load group.

poa = price on application (individually calculated line charges)

Transmission Component (Regulation 26(2)(aa))

The component of each new line charge that is attributable to transmission charges is 21%. (Where the line charge is the total lines charge payable by each end-consumer and may be made up of different charge types including fixed, variable, demand and Transformer charges as detailed in the tables above.) This component includes recovery of Transpower's connection, interconnection and new investment charges. Note: Transpower's ancillary service charges and loss rental rebates do not form a part of the individual line charges. These charges vary monthly and will be paid or credited directly to retailers on a monthly basis based on the actual amount invoiced by Transpower.

VALLEY NETWORK

Grid Exit Points of Injection: Hinuera, Kinleith, Kopu, Waihou, Waikino

Unmetered				
	Previous Line Rates		Estimated Number of Customers	New Line Rates
	(c/kWh)			(c/kWh)
Unmetered supply other than streetlighting 1)	7.70		55	7.83
Unmetered streetlighting 2)	7.70			7.83
Unmetered streetlighting, fittings owned by UNL 2), 3)	7.70		104	7.83
Temporary Builders Supplies - Single Phase 60 Amp	\$1.23 per day		243	\$1.23 per day
Temporary Builders Supplies - Three Phase 60 Amp	\$3.49 per day		3	\$3.49 per day

- 1) Consumption will be determined on a case-by-case basis, dependent on load profile. A minimum load factor of 10% will be applied to the input wattage.
 2) Consumption will be determined by multiplying the input wattage with the number of night hours as published in the NZ Herald.
 3) An additional charge of \$0.044 per light per day will apply where the streetlight fittings are owned by UNL.

Residential and Small Commercial (capacity less than 3 phase 60 Amps)									
	Previous Line Rates B			Tariff Option	Previous Line Rates A		Estimated Number of Customers	New Line Rates	
	Fixed Rate (c/day)	Variable Rate (c/kWh)			Fixed Rate (c/day)	Variable Rate (c/kWh)		Fixed Rate (c/day)	Variable Rate (c/kWh)
Low capacity single phase 20A	30	6.93		Low Usage Single Meter	14.47	7.93	29,789	14.76	8.09
Residential single phase 60A	68	3.87		Two Meter - Controlled	na	na	2,501	14.76	6.88
Residential two phase 60A	68	3.87		Two Meter - Uncontrolled	na	na			8.89
Residential three phase 60A	68	3.87		High Usage Single Meter	63.79	4.93	21,662	65.07	5.11
Commercial single phase 60A	57	4.36		Two Meter - Controlled	63.79	4.19	1,678	65.07	4.06
Commercial two phase 60A	213	3.44		Two Meter - Uncontrolled		5.41			5.52
Commercial three phase 20A	119	3.23		Night Supply Only	-	1.27	-	-	1.29

- These rates apply to all Residential and Small Commercial 1 and 2 phase 60 Amp and all 20 Amp customers.
 -Options are mutually exclusive, both fixed and variable rates apply.
 -Tariff Option Controlled/Uncontrolled only available for consumers with two or more meters, conditional on consumer equipment (hot water cylinders, electric kilns, swimming and spa pool heaters) being permanently wired to a separate controlled meter. Both controlled and uncontrolled variable rates apply.
 -Night rate only available for appliances permanently wired to a separate meter.

End- Consumers with capacity 3 phase 60 Amps and greater						
Fixed, transformer capacity (where applicable) and variable rates apply.	Previous Line Rates		Estimated Number of Customers	New Line Rates		
	Fixed Rate (\$/day)	Variable Rate (c/kWh)		Fixed Rate (\$/day)	Transformer Rate (\$/day)	Variable Rate (c/kWh)
Commercial three phase 60A	3.55	2.44	5,352	3.5990		2.4737
Commercial three phase 100A	9.94	1.90	153	10.0772		1.9262
Commercial three phase 160A	15.49	1.68	72	15.7038		1.7032
Commercial three phase 200A	21.05	1.46	88	21.3406		1.4802
						24 hour supply
> 200 Amp up to 299 kVA closed (see note 4)	poa	poa	6	57.26	4.1169	2.1659
> 200 Amp up to 299 kVA	poa	poa	15	79.79	4.1169	2.4608
300kVA	poa	poa	6	79.79	4.9224	2.4608

- 4) closed to all new and existing End-Consumers except for those specified by UnitedNetworks as qualifying for this load group.
 poa = price on application (individually calculated line charges)

Transmission Component (Regulation 26(2)(aa))
 The component of each new line charge that is attributable to transmission charges is 21%. (Where the line charge is the total lines charge payable by each end-consumer and may be made up of different charge types including fixed, variable, demand and Transformer charges as detailed in the tables above.) This component includes recovery of Transpower's connection, interconnection and new investment charges.
 Note: Transpower's ancillary service charges and loss rental rebates do not form a part of the individual line charges. These charges vary monthly and will be paid or credited directly to retailers on a monthly basis based on the actual amount invoiced by Transpower.

Waitemata and Valley Networks Groups 40 and 60 Customers

Group 40: half hourly metered with connected capacity greater than 200Amp

Group 60: half hourly metered with connected capacity typically greater than 1,500kVA

The Demand charges given in the Transmission Charges table below are annual charges. The total calculated line charge is divided into equal daily amounts.

Transmission Charges:

There are two components.

1. A demand charge based on the customer 'On Peak Demand' (OPD) and is made up of TransPowers Interconnection charge. The Customer's 'On Peak Demand' (OPD) is the average of the maximum demands recorded (in kW) each month during the deemed 'on peak period' of the year. For this Customer's point of supply the 'on peak period' is as shown in the Table.

To calculate the OPD, determine the maximum demand between the hours specified for each month in the 'on peak period' (ie one maximum demand per month). Then calculate the average of these maximum demands. If there are more than three months in the 'on peak period' then determine the average of only the highest three monthly demands.

2. A demand charge based on the Customers maximum demand recorded anytime during year (AMD) and is made up from TransPowers Connection charge and New investment charge.

Note: Rental Rebates, a component of this demand charge in previous years are no longer included in the charge as it has been passed directly on to the Retailer.

Note: Previously a variable charge based on energy consumed in kWh was made up of TransPowers Black Start, Frequency and Voltage Support Charges.

This charge has been passed directly on to the Retailers and therefore no longer forms part of the line charge.

Loss factors as shown apply to all demand based charges.

Network Charges:

This charge is derived from the following components:

1. A Network Assets, Depreciation and Maintenance Charge based on the Customers maximum demand recorded anytime during year (AMD).
2. An Administrative Charge in \$/annum
3. A Network Indirect Demand Charge based on the customer on 'On Peak Demand' (OPD) as defined above.
4. A Network Indirect Fixed Charge in \$/annum

Reactive Charge:

UnitedNetworks standard reactive charges apply where the power factor falls below 0.95. The charge is set at \$7.00/kVAr of the largest difference between the half hourly reactive demand and one third of the kW in each month. The charge is applicable only during weekdays, between 7 am and 8 pm.

Dedicated Assets:

Group 40: A separate charge is applied for those on-site assets provided by UnitedNetworks. The charge is based on the assets employed, and the associated maintenance costs are charged as incurred.

Group 60: A separate charge is applied for on-site assets provided by UnitedNetworks. A separate charge for the network assets employed, is calculated on a site-specific basis.

ON-PEAK DEMAND PERIODS

Week-ends and National Holidays are excluded

	Morning Peak	Evening Peak	Months
Waitemata			
Albany		5:30pm – 9:00pm	Jun – Sep
Henderson		5:30pm – 9:00pm	Jun – Sep
Hepburn Road		5:30pm – 9:00pm	Jun – Sep
Wellsford		5:30pm – 9:00pm	Jun – Aug
Valley			
Hinuera	6:30am – 10:00am	4:00pm – 7:30pm	Aug – Dec

Kinlieth		5:00pm – 9:00pm	May – Aug
Kopu		5:30pm – 8:00pm	Jun – Aug
Waihou	6:00am – 9:30am	4:00pm – 8:00pm	Aug – Jan
Waikino	8:00am – 10:30am	5:00pm – 8:30pm	May – Aug

Transmission Charges Group 40 & 60								
Grid Exit Point	New Rates			Previous Rates			Loss Factors	
	Any time Demand \$/kW	Onpeak Demand \$/kW	Energy \$/kWh	Any time Demand \$/kW	Onpeak Demand \$/kW	Energy \$/kWh	High Voltage	Low Voltage
Waitemata Network							2.10%	3.55%
Albany GXP	-\$ (1.27)	\$ 50.18	\$ -	-\$ (2.95)	\$ 48.36	\$ 0.0013		
Henderson GXP	\$ 2.55	\$ 50.18	\$ -	-\$ (3.74)	\$ 48.36	\$ 0.0013		
Hepburn Rd GXP	-\$ (1.24)	\$ 50.18	\$ -	-\$ (3.11)	\$ 48.36	\$ 0.0013		
Wellsford GXP	\$ 7.36	\$ 50.18	\$ -	\$ 15.31	\$ 48.36	\$ 0.0013		
Valley Network							3.20%	4.65%
Hinuera GXP	\$ 15.06	\$ 50.18	\$ -	\$ 5.45	\$ 48.36	\$ 0.0007		
Kinlieth GXP	\$ 6.29	\$ 50.18	\$ -	\$ 3.42	\$ 48.36	\$ 0.0007		
Kopu GXP	\$ 43.47	\$ 50.18	\$ -	\$ 38.74	\$ 48.36	\$ 0.0007		
Waihou GXP	\$ 13.76	\$ 50.18	\$ -	\$ 9.03	\$ 48.36	\$ 0.0007		
Waikino GXP	\$ 29.45	\$ 50.18	\$ -	\$ 23.28	\$ 48.36	\$ 0.0007		

NETWORK CHARGES

Group 40 Customers						
	Network	Network Asset and Maintenance Charge, based on Anytime Demand \$/kW	Administrative Charge \$/annum	Network Indirect Demand Charge, based on On-Peak Demand \$/kW	Network Indirect Fixed Charge \$/Annum	Estimated Number of Customers
Previous Charges	Waitemata	36.8390	1,200	17.68	5,969.00	
	Valley	76.7544	1,100	20.94	8,418.00	
New Charges	Waitemata	45.09	0	15.74	6,578.95	288
	Valley	53.82	0	21.76	12,464.90	62
Notes: The administration charge now forms part of the Network Indirect Charge The end-consumers with capacity 300kVA and less that do not have TOU (half-hourly) metering have been transferred to the mass market customer categories (refer to the Waitemata or Valley network charges)						
Group 60 Customers						
	Network	Maintenance Charge, based on On-Peak Demand \$/kW	Administrative Charge \$/annum	Network Indirect Demand Charge, based on On-Peak Demand \$/kW	Network Indirect Fixed Charge \$/Annum	Number of Customers
Previous Charges	Waitemata					
	Albany GXP	16.4	1,373	4.32	19,600.00	20
	Henderson GXP	14.05				
	Hepburn GXP	12.58				
	Wellsford GXP	12.58				
	Valley					
Hinuera GXP	14	1,555	4.91	37,625.00	16	
Kinleith GXP	28.69					
Kopu GXP	27.96					
Waihou GXP	14.25					
Waikino GXP	8.25					
New Charges	Waitemata					
	Albany GXP	13.41	1,373	7.04	24,954.77	20
	Henderson GXP	13.68				
	Hepburn GXP	10.69				
	Wellsford GXP	10.69				
	Valley					
Hinuera GXP	4.22	1,555	8.45	55,081.72	16	
Kinleith GXP	9.06					
Kopu GXP	7.88					
Waihou GXP	4.96					
Waikino GXP	2.9					

TAURANGA NETWORK

Points of Supply: Tauranga, Mt Maunganui, Te Matai

Unmetered				
	Previous Line Rates		Estimated Number of Customers	New Line Rates (c/kWh)
	(c/kWh)			
Unmetered supply other than streetlighting 1)	7.00		8	7.10
Unmetered streetlighting 2)	7.00		158	7.10
Temporary Builders Supplies - Single Phase 60 Amp	\$40 for first 4 months, then \$15 per month		168	\$1.23 per day
Temporary Builders Supplies - Three Phase 60 Amp	n.a.		1	\$3.49 per day

1) Consumption will be determined on a case-by-case basis, dependent on load profile. A minimum load factor of 10% will be applied to the input wattage.
2) Consumption will be determined by multiplying the input wattage with the number of night hours as published in the NZ Herald.

Residential and Small Commercial (capacity less than 3 phase 60 Amps)									
Tariff Option	Previous Line Rates A			Previous Line Rates B		Estimated Number of Customers	Tariff Option	New Line Rates	
	Fixed Rate (c/day)	Variable Rate (c/kWh)		Fixed Rate (\$/day)				Fixed Rate (c/day)	Variable Rate (c/kWh)
Low Usage	Single Meter	11.55	5.84	Residential, capacity less than 100 kVA	0.2889	14,766	Single Meter	11.73	5.99
	Two Meter - Controlled	na	na	Small commercial, capacity less than 100 kVA	0.2889			18,048	Two Meter - Controlled
	Two Meter - Uncontrolled	na	na	Variable Rate (c/kWh)			Two Meter - Uncontrolled	11.73	7.19
High Usage	Single Meter	30.63	4.83	24 hour supply uncontrolled	5.82	14,335	Single Meter	31.10	5.10
	Two Meter - Controlled	30.63	4.05	All inclusive controlled (closed)	4.38			15,253	Two Meter - Controlled
	Two Meter - Uncontrolled	-	5.13	All inclusive 9 hours controlled (closed)	4.38		Two Meter - Uncontrolled	-	5.65
Night Supply Only	-	1.27	-	All inclusive 8 hours controlled (closed)	4.38	-	Night Supply Only	-	1.29
These rates apply to all Residential and Small Commercial 1 and 2 phase 60 Amp and all 20 Amp customers.				Controlled (standard/17 hours on)	1.69	408	Residential - Capacity less than 100kVA (closed to new consumers)		
Options are mutually exclusive, both fixed and variable rates apply.				Controlled 17 hours on night	3.06		Residential - Capacity less than 100kVA (closed to new consumers)	29.33	
Tariff Option Controlled/Uncontrolled only available for consumers with two or more meters, conditional on consumer equipment (hot water cylinders, electric kins, swimming and spa pool heaters) being permanently wired to a separate controlled meter. Both controlled and uncontrolled variable rates apply.				Controlled 17 hours on day	1.32		Day/Night Meter - Day Rate		5.9648
Night rate only available for appliances permanently wired to a separate meter.				Controlled 19 hours on day	2.64		Day/Night Meter - Night Rate		1.8351
				Controlled 19 hours on night	3.06				
				Interrupted	4.87				
				Kwi power (8 hours) controlled	1.61				
				Night owl (8 hours) controlled	1.32				
				Tui controlled/smartsaver day	6.00				
				Tui controlled/smartsaver night	1.32				

End-Consumers with capacity 3 phase 60 Amps and greater					
Capacity less than 100 kVA (both fixed and variable rates apply)		Previous Line Rates	Estimated Number of Customers	New Line Rates	
Fixed Rate (\$/day)		1.1226	751	1.2814	
Variable Rate (c/kWh)				Variable Rate (c/kWh)	
24 hour supply uncontrolled		4.70		24 hour supply uncontrolled	4.7531
Controlled (standard/17 hours on)		1.50		Controlled 19 hours on	2.2116
Controlled 17 hours on day		1.61		Interrupted	4.3587
Controlled 17 hours on night		1.03		Night supply only	1.1478
Controlled 19 hours on		2.27		Day/Night - Day rate	5.6251
Controlled 19 hours on day		2.54		Day/Night - Night rate	1.0416
Controlled 19 hours on night		1.03		On peak controlled	16.6178
Interrupted		4.31		Off peak controlled	4.207
Kwi power (8 hours) controlled		1.25			
Night owl (8 hours) controlled		1.03			
Tui controlled/smartsaver day		5.76			
Tui controlled/smartsaver night		1.03			
On peak controlled (closed)		16.63			
Off peak controlled (closed)		4.16			
Capacity 100 - 199kVA (fixed service, transformer capacity (where applicable) and variable rates apply)		Previous Line Rates	Estimated Number of Customers	New Line Rates	
Fixed Service Charge		\$/year	68	\$/day	
Transformer Capacity Charge (\$/year)		\$/year		5.7570	
Large commercial/industrial with capacity 100 kVA		867		na	
Large commercial/industrial with capacity 100 kVA unitised		936			
Large commercial/industrial with capacity 150 kVA		1,055			
Large commercial/industrial with capacity 150 kVA unitised		1,133			
Variable Rate (c/kWh)		c/kWh		Variable Rate (c/kWh)	
Summer Night (2300-0700)		0.60		24 hour supply	4.5797
Summer day (0700-2300)		2.21		Controlled 19 hours on	2.1086
Winter night (2300-0700)		0.80		Day/Night - Day rate	5.6126
Winter day		3.87		Day/Night - Night rate	1.0036
Winter morning peak (0900-1100)		8.18		Night supply only	1.0949
Winter evening peak (1700-2000)		14.11			
Capacity 200 kVA and greater (fixed service, transformer capacity (where applicable) and variable rates apply)		Previous Line Rates	Estimated Number of Customers	New Line Rates (see note 3)	
Fixed Service Charge		\$/year		End-consumers with Time of Use meters	\$/day
Transformer Capacity Charge		\$/year		End-consumers without Time of Use meters	\$/day
Large commercial/industrial with capacity 200 kVA		1,223	72	3.6521	15.54
Large commercial/industrial with capacity 200 kVA unitised		1,330	18	3.4017	3.4017 (dedicated transformers only)
Large commercial/industrial with capacity 300 kVA		1,631	46	4.5365	4.5365 (dedicated transformers only)
Large commercial/industrial with capacity 300 kVA unitised		1,767	12	4.9148	
Large commercial/industrial with capacity 500 kVA		1,950	44	5.4238	
Large commercial/industrial with capacity 500 kVA unitised		2,406	11	6.6922	
Large commercial/industrial with capacity 750 kVA		2,568	19	7.1964	
Large commercial/industrial with capacity 750 kVA unitised		3,201	5	8.9034	na
Large commercial/industrial with capacity 1,000 kVA		2,795	4	7.7464	
Large commercial/industrial with capacity 1,000 kVA unitised		3,652	5	10.1578	
Variable Rate (c/kWh)				Variable Rate (c/kWh)	
Summer night (2300-0700)		0.60		0.6391	
Summer day (0700-2300)		2.21		2.2436	
Winter night (2300-0700)		0.80		0.8122	
Winter day		3.87		3.9269	na
Winter morning peak (0900-1100)		8.18		8.3045	
Winter evening peak (1700-2000)		14.11		14.3248	
24 hour supply		na			4.1547
Controlled 19 hours on		na			1.9140

3) End-consumers with capacity greater than 300kVA must have a Time of Use meter (half-hourly logger) installed.

Transmission Component (Regulation 26(2)(aa))	
The component of each new line charge that is attributable to transmission charges is 22%. (Where the line charge is the total lines charge payable by each end-consumer and may be made up of different charge types including fixed, variable, demand and Transformer charges as detailed in the tables above.) This component includes recovery of Transpower's connection, interconnection and new investment charges.	
Note: Transpower's ancillary service charges and loss rental rebates do not form a part of the individual line charges. These charges vary monthly and will be paid or credited directly to retailers on a monthly basis based on the actual amount invoiced by Transpower.	

ROTORUA NETWORK
Points of Supply: Adamuri, Ohaaki, Owahata, Rotorua

Unmetered			
	Previous Line Rates		New Line Rates
	(c/kWh)		
Unmetered supply other than streetlighting 1)	7.00	21	7.10
Unmetered streetlighting 2)	7.00	22	7.10
Temporary Builders Supplies - Single Phase 60 Amp	\$40 for first 4 months, then \$15 per month	42	\$1.23 per day
Temporary Builders Supplies - Three Phase 60 Amp	n.a.	-	\$3.43 per day

1) Consumption will be determined on a case-by-case basis, dependent on load profile. A minimum load factor of 10% will be applied to the fixed wattage.
2) Consumption will be determined by multiplying the fixed wattage with the number of night hours as published in the NZ Herald.

Residential and Small Commercial (capacity less than 3 phase 60 Amps)												
Tariff Option		Previous Line Rates A		Previous Line Rates B			Estimated Number of Customers	New Line Rates				
		Fixed Rate (c/day)	Variable Rate (c/kWh)	Usage less than 12,000 kWh pa	Usage greater than 12,000 kWh pa	Commercial single phase 20Amp		Fixed Rate (c/day)	Variable Rate (c/kWh)			
Low Usage	Single Meter	11.55	5.84	Fixed Rate (\$/day)	0.39	1.2165	0.7934	8,247	Single Meter	11.73	5.99	
	Two Meter - Controlled	na	na						Two Meter - Uncontrolled	11.73	3.65	
High Usage	Single Meter	30.63	4.83	24 hour supply	5.03	1.62	1.52	11,482	Single Meter	31.10	5.10	
	Two Meter - Controlled	30.63	4.05	All inclusive controlled (closed)	4.33			3,520	Two Meter - Controlled	31.10	2.67	
Night Supply Only		-	1.27	Controlled (standard/17 hours on)	2.47	0.45		303	Night Supply Only		-	1.29
These rates apply to all Residential and Small Commercial 1 and 2 phase 60 Amp and all 20 Amp customers.				Kiwi power (8 hours) controlled	1.43	0.13			Domestic Lines than 12,000kWh pa (closed to new consumers)		39.29	
Options are mutually exclusive, both fixed and variable rates apply.				Night Owl (8 hours) controlled	1.25	0.13			Day/Night Meter - Day Rate		5.9027	
Tariff Option Controlled/Uncontrolled only available for consumers with two or more meters, conditional on consumer equipment (hot water cylinders, electric kins, swimming and spa pool heaters) being permanently wired to a separate controlled meter. Both controlled and uncontrolled variable rates apply.				Tui controlled/ smart saver day	6.00				Day/Night Meter - Night Rate		0.9546	
Night rate only available for appliances permanently wired to a separate meter.				Tui controlled/ economy eight	0.69							

End-Consumers with capacity 3 phase 60 Amps and greater				
Capacity less than 100 KVA (both fixed and variable rates apply)	Previous Line Rates		Estimated Number of Customers	New Line Rates
	greater than 12,000 kWh pa	Three phase 100 Amp		
Fixed Service Charge (\$/day)	1.2009	1.2418	3,309	1.2573
Variable Rate (c/kWh)				Variable Rate (c/kWh)
24 hour supply uncontrolled	1.60	5.15		24 hour supply 5.2676
Controlled 19 hours on	na	3.30		Controlled 19 hours on 3.3420
Tui controlled/ smart saver day	na	5.46		Day/Night - Day rate 5.5295
Tui controlled/ smart saver night	na	1.49		Day/Night - Night rate 1.5000
Night Owl (8 hours) controlled	0.13	1.49		Night Supply Only 1.5299
Controlled (standard/17hrs on)	0.45	na		
Kiwi power (8 hrs controlled)	0.13	1.69		
economy eight controlled	na	1.54		
super 10 controlled	na	1.71		
storage controlled	na	3.43		

Capacity 100-199 KVA (fixed, transformer capacity (where applicable) and variable rates apply)	Previous Line Rates				Estimated Number of Customers	New Line Rates
	Commercial 3 phase 150 Amp	Commercial 3 phase 200 Amp	Commercial 3 phase 250 Amp	Transformer Capacity 100-150KVA		
Fixed Service Charge	9.12 \$/day	9.12 \$/day	4.02 \$/day	2317 \$/year	141	Fixed Service Charge (\$/day) 10.6773
Transformer Capacity Charge			\$/year			Transformer Capacity Charge
Commercial 3 phase 150-200 Amp			2.8610 \$/kVA/month			na
Large commercial/industrial with capacity 100 KVA				949 \$/year		
Large commercial/industrial with capacity 100 KVA utilised				1001 \$/year		
Large commercial/industrial with capacity 150 KVA				1129 \$/year		
Large commercial/industrial with capacity 150 KVA utilised				1212 \$/year		
Variable Rate (c/kWh)						Variable Rate (c/kWh)
Summer day (0700-2300)				1.22		24 hour supply 2.6789
Winter day (0700-2300)				2.17		Controlled 19 hours on 1.7186
Night				0.74		Day/Night - Day rate 2.8402
24 hour supply	3.40	4.36	2.27			Day/Night - Night rate 0.7751
Controlled (17hrs on)	3.40	4.36	1.21			Night Supply Only 0.7780
Night Owl (8 hrs ctrl)			0.97			
Tui Controlled Day			2.65			
Tui Controlled Night			1.01			
Demand Charge (\$/kVA/month)				4.6541		na

Capacity 200 KVA and greater (fixed, transformer capacity (where applicable), variable and demand rates apply)	Previous Line Rates	Estimated Number of Customers	New Line Rates (see note 3)	
			End-consumers with Time of Use meters	End-consumers without Time of Use meters
Fixed Service Charge	\$/year		\$/day	\$/day
	2,317		6.4912	22.29 (200-299kVA)
Transformer Capacity Charge	\$/year		\$/day	\$/day
				27.59 (300kVA)
Large commercial/industrial with capacity 200 KVA	1,308	26	3,6645	3,6645 (dedicated transformers only)
Large commercial/industrial with capacity 200 KVA utilised	1,423	15	3,9666	
Large commercial/industrial with capacity 300 KVA	1,745	27	4,8887	4,8887 (dedicated transformers only)
Large commercial/industrial with capacity 300 KVA utilised	1,890	14	5,2949	
Large commercial/industrial with capacity 500 KVA	2,086	12	5,8440	
Large commercial/industrial with capacity 500 KVA utilised	2,573	20	7,2083	
Large commercial/industrial with capacity 750 KVA	2,768	2	7,7546	
Large commercial/industrial with capacity 750 KVA utilised	3,424	3	9,5925	na
Large commercial/industrial with capacity 1,000 KVA	2,979	1	8,3457	
Large commercial/industrial with capacity 1,000 KVA utilised	3,906	1	10,9427	
Variable Rate (c/kWh)	c/kWh		c/kWh	c/kWh
Summer day (0700-2300)	1.22		1.2484	
Winter day (0700-2300)	2.17		2.2205	na
Night	0.74		0.7572	
24 hour supply				2,4303
Controlled 19 hours on				1,5673
Demand Charge (\$/kVA/month)	4.6541		4.7623	na

3) End-consumers with capacity greater than 300kVA must have a Time of Use meter (half-hourly logger) installed.

Transmission Component (Regulation 26(2)(aa))

The component of each new line charge that is attributable to transmission charges is 24%. (Where the line charge is the total line charge payable by each end-consumer and may be made up of different charge types including fixed, variable, demand and transformer charges as detailed in the tables above.) This component includes recovery of Transpower's connection, interconnection and new investment charges.
Note: Transpower's ancillary service charges and loss rental rebates do not form a part of the individual line charges. These charges vary monthly and will be paid or credited directly to retailers on a monthly basis based on the actual amount invoiced by Transpower.

TAUPO NETWORK
Points of Supply: Wairakei

Unmetered				
	Previous Line Rates		Estimated Number of Customers	New Line Rates
	(c/kWh)			
Unmetered supply other than streetlighting 1)	7.00		4	7.10
Unmetered streetlighting 2)	7.00		38	7.10
Temporary Builders Supplies - Single Phase 60 Amp	\$40 for first 4 months, then \$15 per month		77	\$1.23 per day
Temporary Builders Supplies - Three Phase 60 Amp	n.a.		2	\$3.49 per day

1) Consumption will be determined on a case-by-case basis, dependent on load profile. A minimum load factor of 10% will be applied to the input wattage.
2) Consumption will be determined by multiplying the input wattage with the number of night hours as published in the NZ Herald.

Residential and Small Commercial (capacity less than 3 phase 60 Amps)										
Tariff Option		Previous Line Rates A		Previous Line Rates B		Estimated Number of Customers	Tariff Option		New Line Rates	
		Fixed Rate (c/day)	Variable Rate (c/kWh)	Fixed Rate					Fixed Rate (c/day)	Variable Rate (c/kWh)
				Residential supply - urban (\$/day)	0.5959					
				Residential supply - rural (\$/kVA capacity/day)	0.0870					
				Variable Rate (c/kWh)						
Low Usage	Single Meter	11.65	5.89	24 hour supply uncontrolled	3.19	3,235	Low Usage	Single Meter	11.88	6.06
	Two Meter - Controlled	na	na	All inclusive controlled (closed)	2.97			Two Meter - Controlled	11.88	3.90
	Two Meter - Uncontrolled	na	na	Controlled 19 hours on	1.00	2,647		Two Meter - Uncontrolled	11.88	7.10
High Usage	Single Meter	51.47	3.72	Interrupted	1.77	2,108	High Usage	Single Meter	52.47	3.91
	Two Meter - Controlled	51.47	3.10	Night owl (8 hours) controlled	0.80	1,725			Two Meter - Controlled	52.47
	Two Meter - Uncontrolled	51.47	3.91	Tui controlled/smartsaver day	3.94			Two Meter - Uncontrolled	52.47	3.94
Night Supply Only		-	1.27	Tui controlled/smartsaver night	0.90	1,177	Night Supply Only		-	1.29
- These rates apply to all Residential and Small Commercial 1 and 2 phase 60 Amp and all 20 Amp customers.				Weekend/night	0.80		Residential supply - urban (closed to new consumers)		60.75	
- Options are mutually exclusive, both fixed and variable rates apply.				Commercial low usage	0.4769		Day/Night Meter - Day Rate			3.9331
- Tariff Option Controlled/Uncontrolled only available for consumers with two or more meters, conditional on consumer equipment (hot water cylinders, electric kilns, swimming and spa pool heaters) being permanently wired to a separate controlled meter. Both controlled and uncontrolled variable rates apply.				Fixed Rate (\$/day)	0.4769		Day/Night Meter - Night Rate			1.0396
- Night rate only available for appliances permanently wired to a separate meter.				Variable Rate (c/kWh)	27.00					

End-Consumers with capacity 3 phase 60 Amps and greater						
Capacity less than 100 kVA (both fixed and variable rates apply)		Previous Line Rates	Estimated Number of Customers	New Line Rates		
		\$/kVA capacity/day		\$/day		
Fixed Service Charge		0.064	1,760	2.3815		
Variable Rate (c/kWh)		c/kWh		Variable Rate (c/kWh)		
24 hour supply		3.02		24 hour supply		3.0775
Controlled 19 hours on		0.70		Controlled 19 hours on		0.7133
Interrupted		2.03		Interrupted		2.0686
Night owl (8 hours) controlled		0.50		Night supply only		0.6095
Tui controlled/smartsaver day		3.75		Day/Night - Day rate		4.1038
Tui controlled/smartsaver night		0.50		Day/Night - Night rate		0.9566
Weekday 0700-2300		4.49				
Weekend/night		1.39				
Capacity 100-199 kVA (fixed, transformer capacity (where applicable) and variable rates apply)		Previous Line Rates	Estimated Number of Customers	New Line Rates		
		\$/year		\$/day		
Fixed Service Charge		2,307	19	9.5950		
Transformer Capacity Charge		\$/year				
Large commercial/industrial with capacity 100 kVA		945				
Large commercial/industrial with capacity 100 kVA unutilised		996		na		
Large commercial/industrial with capacity 150 kVA		1,124				
Large commercial/industrial with capacity 150 kVA unutilised		1,207				
Variable Rate (c/kWh)		c/kWh		Variable Rate (c/kWh)		
Summer day (0700-2300)		1.21		24 hour supply		2.7422
Winter day (0700-2300)		2.16		Controlled 19 hours on		0.6356
Night		0.74		Night supply only		0.4540
			Day/Night - Day rate		3.6204	
			Day/Night - Night rate		0.8430	
Demand Charge (\$/kVA/month)		4.6342			na	
Capacity 200 kVA and greater (fixed, transformer capacity (where applicable), variable and demand rates apply)		Previous Line Rates	Estimated Number of Customers	New Line Rates (see note 3)		
		\$/year		End-consumers with Time of Use meters	End-consumers without Time of Use meters	
Fixed Service Charge		2,307	6.4462	299kVA		
Transformer Capacity Charge		\$/year		14.59 (300kVA)		
Large commercial/industrial with capacity 200 kVA		1,303	13	3.6409	3.6409 (dedicated transformers only)	
Large commercial/industrial with capacity 200 kVA unutilised		1,417	1	3.9594		
Large commercial/industrial with capacity 300 kVA		1,736	7	4.8562	4.8562 (dedicated transformers only)	
Large commercial/industrial with capacity 300 kVA unutilised		1,862		5.2586		
Large commercial/industrial with capacity 500 kVA		2,077	8	5.8035		
Large commercial/industrial with capacity 500 kVA unutilised		2,562	1	7.1586		
Large commercial/industrial with capacity 750 kVA		2,755	3	7.7007		
Large commercial/industrial with capacity 750 kVA unutilised		3,410		9.5281	na	
Large commercial/industrial with capacity 1,000 kVA		2,965	2	8.2875		
Large commercial/industrial with capacity 1,000 kVA unutilised		3,889	1	10.8665		
Variable Rate (c/kWh)		c/kWh		c/kWh	c/kWh	
Summer day (0700-2300)		1.21		1.2349		
Winter day (0700-2300)		2.16		2.2044	na	
Night		0.74		0.7552		
24 hour supply				2.4877		
Controlled 19 hours on				0.5766		
Demand Charge (\$/kVA/month)		4.6342		4.7295	na	

3) End-consumers with capacity greater than 300kVA must have a Time of Use meter (half-hourly logger) installed.

Transmission Component (Regulation 26(2)(aa))	
The component of each new line charge that is attributable to transmission charges is 23%. (Where the line charge is the total lines charge payable by each end-consumer and may be made up of different charge types including fixed, variable, demand and Transformer charges as detailed in the tables above.) This component includes recovery of Transpower's connection, interconnection and new investment charges.	
Note: Transpower's ancillary service charges and loss rental rebates do not form a part of the individual line charges. These charges vary monthly and will be paid or credited directly to retailers on a monthly basis based on the actual amount invoiced by Transpower.	

WELLINGTON NETWORKS

North: Points of Supply: Haywards, Melling, Gracefield, Upper Hutt, Takapu Road, Pauatahanui
 South: Points of Supply: Wilton, Central Park, Katwharawhara

	Previous Line Rates		Estimated Number of Customers	New Line Rates
	(c/kWh)			
Unmetered supply other than streetlighting 1)	12.00		29	12.09
Unmetered streetlighting 2)	12.00		86	12.09
Temporary Builders Supplies - Single Phase 60 Amp 3)	\$151 for first 6 months, then \$81 for further 6 months		150	\$1.23 per day
Temporary Builders Supplies - Three Phase 60 Amp 3)	\$216 for first 6 months, then \$146 for further 6 months		8	\$3.49 per day

1) Consumption will be determined on a case-by-case basis, dependent on load profile. A minimum load factor of 10% will be applied to the input wattage.
 2) Consumption will be determined by multiplying the input wattage with the number of night hours as published in the NZ Herald.
 3) Previous Line Rates include connection fee.

	Previous Line Rates B		Tariff Option	Previous Line Rates A		Estimated Number of Customers	New Line Rates			
	Fixed Rate (c/day)			Variable Rate (c/kWh)			Fixed Rate (c/day)		Variable Rate (c/kWh)	
Residential continuous supply	30.18		Low Usage	Single Meter	10.83	5.47	68,029	11.00	5.67	
Residential continuous supply with separately metered control	29.42			Two Meter - Controlled	na	na	11,951	11.00	4.76	
	Variable Rate (c/kWh)			Two Meter - Uncontrolled	na	na			6.05	
24 hour supply uncontrolled	4.76		High Usage	Single Meter	19.70	5.09	56,197	20.01	5.25	
Controlled (standard/17 hrs on)	3.47			Two Meter - Controlled	19.70	4.27	4,397	20.01	4.12	
Tui controlled/smartsaver day	5.76			Two Meter - Uncontrolled	19.70	5.42	9,397	20.01	5.5	
Tui controlled/smartsaver night	1.29		Night Supply Only		-	1.27	-	-	1.29	
Night	1.29		-These rates apply to all Residential and Small Commercial 1 and 2 phase 60 Amp and all 20 Amp customers.							
	Fixed Rate (c/day)		Variable Rate (c/kWh)		Options are mutually exclusive, both fixed and variable rates apply.					
Residential supply where load is controlled, single meter	29.42	4.08	Tariff Option Controlled/Uncontrolled only available for consumers with two or more meters, conditional on consumer equipment (hot water cylinders, electric kites, swimming and spa pool heaters) being permanently wired to a separate controlled meter. Both controlled and uncontrolled variable rates apply.							
Paygo metered customers	-	6.62	Night rates only available for appliances permanently wired to a separate meter.							

End-Consumers with capacity 3 phase 60 Amps and greater				
	Previous Line Rates		Estimated Number of Customers	New Line Rates
	Fixed Rate (\$/day)			
Capacity less than 100 kVA (except 1 and 2 phase 60Amp and all 20 Amp)	0.8381		7,643	0.8483
Capacity less than 100 kVA (with controlled water heating)	0.8306			
	Variable Rate (c/kWh)			
24 hour supply uncontrolled	6.74			6.8223
Controlled (standard/17 hours on)	3.43			3.4719
Day/Night - Day rate	7.59			7.6827
Day/Night - Night rate	2.56			2.5913
Night Supply Only	1.28			1.2956
Premium Plan	6.74			see note 4)

4) Rate no longer available, volume to be submitted against new line rate for 24 hour supply uncontrolled

End-Consumers with capacity 100kVA and greater											
-A/C, AMD and CMD charges all apply where shown											
-A/C = Assessed Installed Capacity											
-AMD = Anytime Maximum Demand											
-CMD = Coincident Maximum Demand											
	Previous Line Rates			Estimated Number of Customers		New Line Rates (refer to note 5)					
	A/C Charge	CMD Charge	AMD Charge			Fixed Charge (\$/day)	Transformer Charge (\$/day)	Variable Charge (c/kWh)			
							24 hour supply	Controlled 19 hours on	Day/Night - Day rate	Day/Night - Night rate	Night supply only
Capacity 100-300kVA (End-consumers without Time of Use meters)	North network	-	4.57	10.95	232	Group 1 (closed, see note 5)	5.05	2,9092	1,4805		
	South network	-	4.57	12.55	70	Group 2 (100-199kVA)	9.595	3,8836	1,9764	4,3733	1,4751
						Group 3 (closed, see note 5)	13.866	5.162	2,627		
					113	200-299 kVA	25.00	4,0650	3,5232	1,7930	
						300kVA	30.00	4,8393	3,5232	1,7930	
Capacity 100kVA and greater (End-consumers with Time of Use meters)											
\$/kVA/month											
		A/C Charge	CMD Charge	AMD Charge			A/C Charge	CMD Charge	AMD Charge		
North 11kV, 400V metered shared transformer connection	-	3.92	10.34	72	-	3.97	10.47				
North 11kV, 400V metered dedicated transformer connection	0.60	3.92	9.25	160	0.61	3.97	9.36				
North 11kV, 11kV metered dedicated transformer connection	0.60	3.07	8.95	15	0.61	3.92	9.06				
North greater than 1000kVA, 400V metered	0.60	3.92	8.69	5	0.61	3.97	8.70				
North greater than 1000kVA, 11kV metered	0.50	3.87	8.41	16	0.51	3.92	8.51				
South 11kV, 400V metered shared transformer connection	-	3.92	10.43	197	-	3.97	10.56				
South 11kV, 400V metered dedicated transformer connection	0.60	3.92	9.67	65	0.61	3.97	9.79				
South 11kV, 11kV metered dedicated transformer connection	0.60	3.87	9.44	2	0.61	3.92	9.56				
South greater than 1000kVA, 400V metered	0.50	3.92	9.26	11	0.51	3.97	9.38				
South greater than 1000kVA, 11kV metered	0.50	3.07	9.14	1	0.51	3.92	9.25				

5) Closed to new End-Consumers from 1 April 2002

6) End-consumers with capacity greater than 300kVA must have a Time of Use meter (half-hourly logger) installed.

Transmission Component (Regulation 26(2)(aa))

The component of each new line charge that is attributable to transmission charges is 23%. (Where the line charge is the total line charge payable by each end-consumer and may be made up of different charge types including fixed, variable, demand and Transformer charges as detailed in the tables above.) This component includes recovery of Transpower's connection, interconnection and new investment charges.
 Note: Transpower's ancillary service charges and loss rental rebates do not form a part of the individual line charges. These charges vary monthly and will be paid or credited directly to retailers on a monthly basis based on the actual amount invoiced by Transpower.