

# ELECTRICITY LINE CHARGES



## Existing Line Charges at commencement (8 May 2004) of Electricity Information Disclosure Requirements 2004

### Line Charges

UnitedNetworks introduced new electricity line charges to its Northern Region\* customers on 1 April 2004. This was the first time that UnitedNetworks has increased its charges in several years apart from some minor restructuring of rates. Unfortunately, increases in transmission charges and other operating expenses have meant that UnitedNetworks is unable to further absorb these cost increases. Under UnitedNetworks' wholesale contracts with electricity retailers, it will be up to your electricity retailer to determine whether the increase in networks charges is passed on.

### Who is UnitedNetworks

UnitedNetworks is responsible for the design, development and maintenance of the electricity lines network that delivers power to homes and businesses in North Shore City, Waitakere City, Rodney Districts, Wellington, Porirua and the Hutt Valley. UnitedNetworks' electricity lines charges are a component of the electricity account you receive from your energy retailer. These charges cover the delivery of your electricity including transmission charges from Transpower (who operate the national grid), as well as upgrades and maintenance of the network.

## Disclosure pursuant to Electricity Information Disclosure Requirements 2004. Part 6 - Disclosure of line charges, Requirement 25 and 26

### NORTHERN REGION

Points of supply: Albany, Henderson, Hepburn Road, Wellsford, Silverdale

Other lines and Use of System charges or conditions may also apply. Please refer to the full UnitedNetworks Pricing Schedule. All charges are exclusive of GST. Line rates are quoted including transmission component. Asset specific pricing rates for affected customers are available on request

### RESIDENTIAL AND SMALL COMMERCIAL CUSTOMERS

Tariff option		Previous line charges		Estimated number of consumers (May 2004)	Line charges effective 1 April 2004	
		Fixed charge (cents/day)	Variable charge (cents/kWh)		Fixed charge (cents/day)	Variable charge (cents/kWh)
Low usage	Single meter	9.97	5.67	82,896	10.44	5.94
	Two meter - controlled		4.82			5.05
	Two meter - uncontrolled	10.06	6.23	5	10.53	6.52
High usage	Single meter	48.77	3.90	97,378	51.05	4.08
	Two meter - controlled		3.21			3.36
	Two meter - uncontrolled	48.77	4.36	485	51.05	4.56
Night supply only		1.29				1.34

### COMMERCIAL CUSTOMERS

Tariff option	Previous line charges					Estimated number of consumers (May 2004)	Line charges effective 1 April 2004					
	Line charge (\$/day)	Transformer charge (\$/day)	Variable charges (\$/kWh)				Line charge (\$/day)	Transformer charge \$/day	Variable Charge (\$/kWh)			
			Single meter with control (5 hrs/day)	Single meter without control (24UC)	Two meter with dedicated control (5hrs/day)				Single meter with control (5 hrs/day)	Single meter without control (24UC)	Two meter with dedicated control (5hrs/day)	
3 Phase <= 60A & 1 or 2 Phase >60A	2.1812		0.018897			8,560	2.2832			1.9800		
3 Phase >60A & <=100A	7.8705		0.015279			1,370	8.2387			1.6000		
3 Phase >100A & <=160A	14.0423		0.014072			308	14.6993			1.4700		
3 Phase >160A & <=200A	20.2241		0.012766			279	21.1703			1.3400		
3 Phase >200A & <300 kVA	40.5100	4.2642		0.015448	0.010810	101	42.4053	4.3274			1.62	1.13
3 Phase 300 kVA	40.5100	4.9982		0.015448	0.010810	29	42.4503	5.0723			1.62	1.13

### DECOMMISSIONED LOAD GROUPS

Tariff option	Previous line charges				Estimated number of consumers (May 2004)	Line charges effective 1 April 2004				
	Fixed rate (\$/day)	Dedicated transformer rate (\$/day)	Variable rate (cents/kWh) 24 hr supply	Variable rate (cents/kWh) controlled 19 hrs on		New load group	Fixed rate (\$/day)	Dedicated transformer rate (\$/day)	Variable rate (cents/kWh) 24 hr supply	Variable rate (cents/kWh) controlled 19 hrs on
Old Load Group W27 (see note 1)	35.07	4.2642	1.33	0.93	16	26W	21.1703			1.34
					3	W28	42.4053	4.3274	1.62	1.13
					6	W29	42.4053	5.0723	1.62	1.13
Old Load Group 09W (see note 2)	3.49				1	23W	2.2832			1.98

Note 1. Load Group W27 was closed and has been decommissioned. All consumers have been moved to existing load groups 26W, W28 or W29 according to capacity.

Note 2. Load Group 09W was closed and has been decommissioned. All three phase temporary builders supplies < 60A are now required to be metered supplies.

### UNMETERED

Tariff option	Previous line charges		Estimated number of consumers (May 2004)	Line charges effective 1 April 2004	
	Fixed charge (\$/day)	Variable rate (cents/kWh)		Fixed charge (\$/day)	Variable charge (cents/kWh)
Non street lighting < 5 kVA		9.24	18		9.67
Street lighting < 5 kVA		9.24	122		9.67
Single phase temporary builders supply < 60A	1.2300		1,483	1.2742	

### DISTRIBUTION LOSS

Loss factor code	Customers metering voltage	Capacity ranges to allocate LV metering	Previous line charges		Line charges effective 1 April 2004	
			Distribution loss ratios with respect to the Injection Point meter	Distribution loss factors with respect to the ICP meter	Distribution loss ratios with respect to the Injection Point meter	Distribution loss factors with respect to the ICP meter
VECW1	LV	<=45KVA	6.00%	1.0638	6.00%	1.0638
VECW2	LV	>45kVA, <= 300KVA	4.04%	1.0421	4.04%	1.0421
VECW3	LV	>300kVA	4.04%	1.0421	4.04%	1.0421
VECW4	HV		2.48%	1.0254	2.48%	1.0254

### TRANSMISSION COMPONENT - Requirement 25(b)

The transmission component equates to an average percentage of the standard line charges listed above as follows: Northern 22%. This component includes recovery of Transpower's connection, interconnection and new investment charges, and avoided transmission costs. Transpower's ancillary service charges and loss rental rebates, along with some Electricity Commission levies, are passed on transparently to electricity retailers.