

ELECTRICITY LINE CHARGES Effective 1 April 2004

Line Charge Changes

Vector will be introducing new electricity line charges to its Auckland Region customers on 1 April 2004.

This is the first time that Vector has increased its charges in several years and, in fact, many customers received price reductions in 2002. Unfortunately, increases in transmission charges and other operating expenses have meant that Vector is unable to further absorb these cost increases.

Who is Vector?

Vector is responsible for the design, development and maintenance of the electricity lines network that delivers power to homes and businesses in Auckland City, Manukau City and parts of the Papakura District.

Vector's electricity line charges are a component of the electricity account you receive from your electricity 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) Regulations 1999 and Electricity (Information Disclosure) Amendment Regulations 2000, Part 6

AUCKLAND REGION

Points of Supply: Hepburn Road, Mangere, Otahuhu, Pakuranga, Penrose, Roskill, Takanini, Wiri

All charges are exclusive of GST and are subject to a 10% discount if paid by the due date.

Pricing plan	Previous line charges		Estimated number of consumers	Line charges effective 1 April 2004	
	Fixed charge (cents/day)	Variable charge (cents/kWh)		Fixed charge (cents/day)	Variable charge (cents/kWh)
	Eversure (24 hours supply)	10.00		5.50	39,102
Vector Saver (Interruptible supply)	10.00	4.70	214,905	10.47	4.92

Connection capacity	Previous line charges		Estimated number of consumers	Line charges effective 1 April 2004	
	Fixed charge (cents/day)	Variable charge (cents/kWh)		Fixed charge (cents/day)	Variable charge (cents/kWh)
	Less than 14 kVA	19.50		5.50	17,250
14 - 70 kVA	55.00	5.50	19,419	57.59	5.76

COMMERCIAL AND INDUSTRIAL CUSTOMERS

Connection type	Previous line charges								Estimated number of consumers	Line charges effective 1 April 2004															
	Fixed charges (cents/kVA/day)		Variable charges (cents/kWh)							Fixed charges (cents/kVA/day)		Variable charges (cents/kWh)													
	Capacity charge		Demand charge		Distribution charge					Capacity charge		Demand charge		Distribution charge											
	Up to the first 1,000 kVA	Remainder above 1,000 kVA	Up to the first 1,000 kVA	Remainder above 1,000 kVA	Summer (1 October-30 April)		Winter (1 May-30 September)			Up to the first 1,000 kVA	Remainder above 1,000 kVA	Up to the first 1,000 kVA	Remainder above 1,000 kVA	Summer (1 October-30 April)		Winter (1 May-30 September)									
					Day (7am-10pm)	Night (10pm-7am)	Day (7am-10pm)	Night (10pm-7am)						Day (7am-10pm)	Night (10pm-7am)										
High Voltage Zone 1		1.65		11.28					42		1.67		11.45												
High Voltage Zone 2	3.05	2.51		17.29					35	3.10	2.55		17.55												
High Voltage Zone 3		2.99		21.53					83		3.03		21.85												
Transformer Zone 1		2.00		11.28					170		2.03		11.45												
Transformer Zone 2	3.38	2.95	23.57	17.29	0.72	0.20	4.06	0.20	222	3.43	2.99	23.92	17.55	0.72	0.20	4.06	0.20								
Transformer Zone 3		3.37							21.53										481	3.42		21.85			
Low Voltage - three phase Zone 1		2.09							11.28											579	2.12		11.45		
Low Voltage - three phase Zone 2	3.54	3.09		17.29					443	3.59	3.14		17.55												
Low Voltage - three phase Zone 3		3.53		21.53					1,809		3.58		21.85												

UNMETERED CUSTOMERS

Pricing plan	Previous line charges		Estimated number of consumers	Line charges effective 1 April 2004	
	Fixed charge (cents/day)			Fixed charge (cents/day)	
Unmetered	12.66		598	12.85	

LOCAL COUNCIL RATES LEVY

Pricing plan	Previous line charges		Estimated number of connections	Line charges effective 1 April 2004	
	Fixed charge (\$/network connection/day)			Fixed charge (\$/network connection/day)	
Council utility rate	N/A		0	0.00	

AUCKLAND EMBEDDED NETWORKS - RESIDENTIAL AND COMMERCIAL CUSTOMERS

Tariff option (see note 1)	Previous line charges						Estimated number of consumers	Line charges effective 1 April 2004	
	Fixed charges (\$/day)		Variable charges (\$/kWh)					Please refer to the pricing plans above for the respective new line charges	
	Line	Transformer	Single meter with control	Single meter without control	Single meter with dedicated control	Single meter with dedicated night control			
			AICO (Shrs/day)	24UC	CTRL (Shrs/day)	Night (11pm-7am)			
Unmetered supply - non street lighting < 5 kVA				0.0924			6	Unmetered customers	
Unmetered supply - street lighting < 5 kVA				0.0924			3	Unmetered customers	
Unmetered supply - 1ø temporary builders supply < 60A	1.2300						9	Unmetered customers	
Unmetered supply - 3ø temporary builders supply < 60A	3.4900							Commercial and Industrial customers	
Residential low usage - single meter, 3ø ≤ 20A & 1ø or 2ø ≤ 60A	0.0997		0.0567			0.0129	967	Residential customers (Eversure or Vector Saver)	
Residential low usage - two meter, 3ø ≤ 20A & 1ø or 2ø ≤ 60A	0.1006			0.0623		0.0482	1	Residential customers (Eversure or Vector Saver)	
Residential high usage - single meter, 3ø ≤ 20A & 1ø or 2ø ≤ 60A	0.4877		0.0390			0.0129	1,253	Residential customers (Eversure or Vector Saver)	
Residential high usage - two meter, 3ø ≤ 20A & 1ø or 2ø ≤ 60A	0.4877			0.0436		0.0321	4	Residential customers (Eversure or Vector Saver)	
Small Commercial low usage - single meter, 3ø ≤ 20A & 1ø or 2ø ≤ 60A	0.0997		0.0567			0.0129	21	Business customers (Less than 14 kVA or 14 - 70 kVA)	
Small Commercial low usage - two meter, 3ø ≤ 20A & 1ø or 2ø ≤ 60A	0.1006			0.0623		0.0482		Business customers (Less than 14 kVA or 14 - 70 kVA)	
Small Commercial high usage - single meter, 3ø ≤ 20A & 1ø or 2ø ≤ 60A	0.4877		0.0390			0.0129	33	Business customers (Less than 14 kVA or 14 - 70 kVA)	
Small Commercial high usage - two meter, 3ø ≤ 20A & 1ø or 2ø ≤ 60A	0.4877			0.0436		0.0321		Business customers (Less than 14 kVA or 14 - 70 kVA)	
Commercial - 3ø > 20A & 3ø ≤ 60A & 1ø or 2ø > 60A	2.1812		0.0189				14	Business customers (Less than 14 kVA or 14 - 70 kVA)	
Commercial - 3ø > 60A & ≤ 100A	7.8705		0.0153				17	Business customers (Less than 14 kVA or 14 - 70 kVA)	
Commercial - 3ø > 100A & ≤ 160A	14.0423		0.0141				3	Commercial and Industrial customers	
Commercial - 3ø > 160A & ≤ 200A	20.2241		0.0128				1	Commercial and Industrial customers	
Commercial - 3ø > 200A & < 300 kVA	40.5100	4.2642		0.0154		0.0108		Commercial and Industrial customers	
Commercial - 3ø 300 kVA	40.5100	4.9982		0.0154		0.0108		Commercial and Industrial customers	

AUCKLAND EMBEDDED NETWORKS - LARGE COMMERCIAL CUSTOMERS

Tariff option (see note 1)	Previous line charges								Estimated number of consumers	Line charges effective 1 April 2004	
	Capacity based variable tariffs (AIC)		Monthly max demand based variable tariffs (AMD) Workdays (8am-8pm)		TOU metering (TAIC)					Please refer to the pricing plans above for the respective new line charges	
	Up to the first 1,000 kVA	Remainder above 1,000 kVA	Up to the first 1,000 kVA	Remainder above 1,000 kVA	Summer (1 Oct-30 Apr)		Winter (1 May-30 Sept)				
					Day (7am-10pm)	Night (10pm-7am)	Day (7am-10pm)	Night (10pm-7am)			
Commercial - 3ø, transformer connection > 200A, TOU meter - Zone 1	1.1619	0.6844			0.0018	0.0065	0.0018	0.0365	19	Commercial and Industrial customers	
Commercial - 3ø, high voltage supply > 200A, TOU meter - Zone 1	0.9095	0.4958							2	Commercial and Industrial customers	
Commercial - 3ø, transformer connection > 200A, TOU meter - Zone 2	1.1619	0.9186	0.2122						Commercial and Industrial customers		
Commercial - 3ø, high voltage supply > 200A, TOU meter - Zone 2	0.9095	0.7300							Commercial and Industrial customers		
Commercial - 3ø, transformer connection > 200A, TOU meter - Zone 3	1.1619	1.0433							Commercial and Industrial customers		
Commercial - 3ø, high voltage supply > 200A, TOU meter - Zone 3	0.9095	0.8547	0.1938		Commercial and Industrial customers						

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
VECA1	LV	≤ 45 kVA	5.84%	1.0620	5.84%	1.0620
VECA2	LV	≥ 45 kVA, ≤ 300 kVA	3.85%	1.0620	3.85%	1.0620
VECA3	LV	> 300 kVA	3.85%	1.0400	3.85%	1.0400
VECA4	HV		2.34%	1.0240	2.34%	1.0240

TRANSMISSION COMPONENT - Regulation 26(2)(aa)

The transmission component equates to an average percentage of the standard line charges listed above as follows: Auckland 23%. This component includes recovery of Transpower's connection, interconnection, voltage support charges 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.

Note 1. The previous line charges are no longer available to Auckland embedded networks customers. These are effectively decommissioned from 1 April 2004.

