

Pricing Schedule and Policy

Version: v2026.1
 Effective: 1 April 2026

This is the Pricing Schedule and Policy referred to in Schedule 7 of any Distributor Agreement (which in this schedule shall have the meaning given in the Code) entered into with Vector.

Service charges

In addition to the prices listed in this schedule, the Distributor also charges for other services, such as reconciliation/allocation services, disconnection and reconnection services.

The table below outlines the charges applicable to these other services. Unless stated otherwise, all service charges below will be invoiced directly to the Trader by the Distributor and not to the Customer.

Fee	Description	Charge (exc. GST)
Site visit fee	Payable for any site visit by the Distributor requested by the Trader or Customer. Examples of site visits include, but are not limited to, energising a new Point of Connection for the first time, non-network call outs, temporary disconnection/reconnection, urgent after-hours disconnection, and vacant site disconnection/reconnection.	\$170 per site visit
Late, incorrect or incomplete consumption data fee	This fee is payable where consumption data does not comply with the requirements of the relevant agreement in respect of which this Pricing Schedule and Policy applies. It will be charged based on the actual time spent by a billing analyst to review, correct, validate and reconcile the information and/or system time to bill or rebill the corrected or amended data.	\$110 per hour

All non-Network fault work and Trader or Customer services not listed above will be charged to the Trader on a time and materials basis at market prices.

Pricing schedule

Electricity Distribution Network

Applicable from 1 April 2026

Vector owns the network lines that deliver power to Aucklanders, from Wellsford to Papakura. The network consists of more than 19,000kms of overhead lines and underground cables.

This schedule describes Vector's standard prices for providing electricity Distribution Services in respect of Customers on the Northern and Auckland electricity distribution networks, where the Customer's Trader is a party to a Distributor Agreement entered into with Vector.

The network that Customers are supplied from is determined by Vector from time to time based on the physical location of the Point of Connection of the Customer's Electrical Installation. The approximate areas covered by the Northern and Auckland electricity distribution networks are shown in the adjacent map.



Prices for Auckland network residential and general Customers (excluding GST)

Consumer group / type	Price category type	Price category description	Price category code	Daily	Daily	Volume anytime	Volume anytime	Volume off-peak	Volume peak	Injection off-peak	Injection peak	Injection anytime	
				FIXD	FIXD	24UC	AICO	OFPK	PEAK	IJOP	IJPK	INJT	
				\$/day	\$/day /fitting	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh	
Residential – low user	Time of use	Controlled	ARHLC	0.9000				0.0457	0.1504	0.0000	(0.0524)		
		DER	ARHLD	0.9000				0.0393	0.1440	0.0000	(0.0524)		
		Uncontrolled	ARHLU	0.9000				0.0466	0.1513	0.0000	(0.0524)		
	Anytime (Closed to half hourly (HH) meters, except by exemption)	Controlled	ARNLC	0.9000			0.0685						0.0000
		Uncontrolled	ARNLU	0.9000			0.0694						0.0000
Residential – standard user	Time of use	Controlled	ARHSC	1.9020				0.0000	0.1047	0.0000	(0.0524)		
		DER	ARHSD	1.7620				0.0000	0.1047	0.0000	(0.0524)		
		Uncontrolled	ARHSU	1.9220				0.0000	0.1047	0.0000	(0.0524)		
	Anytime (Closed to half hourly (HH) meters, except by exemption)	Controlled	ARNSC	1.9020			0.0228						0.0000
		Uncontrolled	ARNSU	1.9220			0.0228						0.0000
General	Time of use	Uncontrolled	ABSH	2.3928				0.0000	0.1047	0.0000	(0.0524)		
		DER	ABSHD	2.2328				0.0000	0.1047	0.0000	(0.0524)		
	Anytime (Closed to half hourly (HH) meters, except by exemption)	Uncontrolled	ABSN	2.3928			0.0228						0.0000
Unmetered	Anytime	Uncontrolled	ABSU		0.0824	0.0273						0.0000	

Please note that previously residential and general injection prices were all zero regardless of peak or off-peak periods. From 1 April 2026, TOU injection prices will be split into peak injection (IJPK) and off-peak injection (IJOP) prices. Anytime customers are not affected and INJT continues to apply.

Please refer to our pricing schedule and policy for conditions that apply to price categories for residential and general DER on page 12.

Prices for Northern network residential and general Customers (excluding GST)

Consumer group / type	Price category type	Price category description	Price category code	Daily	Daily	Volume anytime	Volume anytime	Volume off-peak	Volume peak	Injection off-peak	Injection peak	Injection anytime	
				FIXD	FIXD	24UC	AICO	OFPK	PEAK	IJOP	IJPK	INJT	
				\$/day	\$/day /fitting	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh	
Residential – low user	Time of use	Controlled	WRHLC	0.9000				0.0466	0.1513	0.0000	(0.0524)		
		DER	WRHLD	0.9000				0.0393	0.1440	0.0000	(0.0524)		
	Uncontrolled	WRHLU	0.9000					0.0466	0.1513	0.0000	(0.0524)		
	Anytime (Closed to half hourly (HH) meters, except by exemption)	Controlled	WRNLC	0.9000			0.0694						0.0000
		Uncontrolled	WRNLU	0.9000			0.0694						0.0000
Residential – standard user	Time of use	Controlled	WRHSC	1.9220				0.0000	0.1047	0.0000	(0.0524)		
		DER	WRHSD	1.7620				0.0000	0.1047	0.0000	(0.0524)		
		Uncontrolled	WRHSU	1.9220				0.0000	0.1047	0.0000	(0.0524)		
	Anytime (Closed to half hourly (HH) meters, except by exemption)	Controlled	WRNSC	1.9220			0.0228						0.0000
		Uncontrolled	WRNSU	1.9220			0.0228						0.0000
General	Time of use	Uncontrolled	WBSH	2.3928				0.0000	0.1047	0.0000	(0.0524)		
		DER	WBSHD	2.2328				0.0000	0.1047	0.0000	(0.0524)		
	Anytime (Closed to half hourly (HH) meters, except by exemption)	Uncontrolled	WBSN	2.3928			0.0228						0.0000
Unmetered	Anytime	Uncontrolled	WBSU		0.0824	0.0273						0.0000	

Please note that previously residential and general injection prices were all zero regardless of peak or off-peak periods. From 1 April 2026, TOU injection prices will be split into peak injection (IJPK) and off-peak injection (IJOP) prices. Anytime customers are not affected and INJT continues to apply.

Please refer to our pricing schedule and policy for conditions that apply to price categories for residential and general DER on page 12.

Prices for Auckland network commercial Customers (excluding GST)

Consumer group / type	Price category type	Price category description	Price category code	Daily	Volume anytime	Capacity	Demand	Excess Demand	Power factor	Injection anytime
				FIXD \$/day	24UC \$/kWh	CAPY \$/kVA/day	DAMD \$/kVA/day	DEXA \$/kVA/day	PWRF \$/kVAr/day	INJT \$/kWh
Low voltage	Time of use		ALVT	5.1600	0.0169	0.0741	0.1738		0.3530	0.0000
		Approved solar	ALVTS	5.1600	0.0169	0.0741	0.1738		0.0000	0.0000
		Approved DER	ALVTD	5.1600	0.0169	0.0741	0.0000	0.0000	0.3530	0.0000
		Anytime (Closed to half hourly (HH) meters, except by exemption)	ALVN	5.1600	0.0558	0.0741				0.0000
Transformer	Time of use		ATXT	5.1600	0.0169	0.0682	0.1738		0.3530	0.0000
		Approved solar	ATXTS	5.1600	0.0169	0.0682	0.1738		0.0000	0.0000
		Approved DER	ATXTD	5.1600	0.0169	0.0682	0.0000	0.0000	0.3530	0.0000
		Anytime (Closed to half hourly (HH) meters, except by exemption)	ATXN	5.1600	0.0558	0.0682				0.0000
High voltage	Time of use		AHVT	5.1600	0.0169	0.0673	0.1738	0.8640	0.3530	0.0000
		Approved solar	AHVTS	5.1600	0.0169	0.0673	0.1738	0.8640	0.0000	0.0000
		Approved DER	AHVTD	5.1600	0.0169	0.0673	0.0000	0.0000	0.3530	0.0000
		Anytime (Closed to half hourly (HH) meters, except by exemption)	AHVN	5.1600	0.0558	0.0673				0.0000
Zone substation	Time of use		AZST	5.1600	0.0075	0.1697	0.0319	0.8640	0.3530	0.0000
		Approved solar	AZSTS	5.1600	0.0075	0.1697	0.0319	0.8640	0.0000	0.0000
Sub transmission	Time of use		ASTT	5.1600	0.0074	0.1349	0.0319	0.8640	0.3530	0.0000
		Approved solar	ASTTS	5.1600	0.0074	0.1349	0.0319	0.8640	0.0000	0.0000

Note: Price Categories for commercial Solar and DER are for Vector-approved ICPs only. Conditions apply, see page 20.

Prices for Northern network commercial Customers (excluding GST)

Consumer group / type	Price category type	Price category description	Price category code	Daily	Volume anytime	Capacity	Demand	Excess Demand	Power factor	Injection anytime
				FIXD	24UC	CAPY	DAMD	DEXA	PWRF	INJT
				\$/day	\$/kWh	\$/kVA/day	\$/kVA/day	\$/kVA/day	\$/kVAr/day	\$/kWh
Low voltage	Time of use		WLVH	14.6700	0.0097	0.0741	0.1738		0.3530	0.0000
		Approved solar	WLVHS	14.6700	0.0097	0.0741	0.1738		0.0000	0.0000
		Approved DER	WLVHD	14.6700	0.0097	0.0741	0.0000	0.0000	0.3530	0.0000
		Anytime (Closed to half hourly (HH) meters, except by exemption)	WLVN	7.7900	0.0329	0.0741				0.0000
Transformer	Time of use		WTXH	14.6700	0.0097	0.0682	0.1738		0.3530	0.0000
		Approved solar	WTXHS	14.6700	0.0097	0.0682	0.1738		0.0000	0.0000
		Approved DER	WTXHD	14.6700	0.0097	0.0682	0.0000	0.0000	0.3530	0.0000
		Anytime (Closed to half hourly (HH) meters, except by exemption)	WTXN	7.7900	0.0329	0.0682				0.0000
High voltage	Time of use		WHVH	14.6700	0.0097	0.0673	0.1738	0.8640	0.3530	0.0000
		Approved solar	WHVHS	14.6700	0.0097	0.0673	0.1738	0.8640	0.0000	0.0000
		Approved DER	WHVHD	14.6700	0.0097	0.0673	0.0000	0.0000	0.3530	0.0000
		Anytime (Closed to half hourly (HH) meters, except by exemption)	WHVN	7.7900	0.0329	0.0673				0.0000
Zone substation	Time of use		WZSH	5.1600	0.0075	0.1697	0.0319	0.8640	0.3530	0.0000
		Approved solar	WZSHS	5.1600	0.0075	0.1697	0.0319	0.8640	0.0000	0.0000
Sub transmission	Time of use		WSTH	5.1600	0.0074	0.1349	0.0319	0.8640	0.3530	0.0000
		Approved solar	WSTHS	5.1600	0.0074	0.1349	0.0319	0.8640	0.0000	0.0000

Note: Price Categories for commercial Solar and DER are for Vector-approved ICPs only. Conditions apply, see page 20.

Prices for transmission (excluding GST)

Network	GXP Code	GXP name	\$/month per 1/1000%
Auckland and Northern	HEP	Hepburn Road	15.9300
	HOB	Hobson Street	9.5026
	MNG	Mangere	15.3096
Auckland	OTA	Otahuhu	7.1752
	PAK	Pakuranga	15.8206
	PEN	Penrose	49.8653
	ROS	Mount Roskill	17.1256
	TAK	Takanini	12.8023
	WIR	Wiri	13.4538
	Northern	ALB	Albany
HEN		Henderson	11.3855
LFD		Lichfield	1.1637
SVL		Silverdale	10.3264
WEL		Wellsford	4.2908
WRD		Wairau Road	9.1003

Monthly invoice amount

Traders' and direct billed customers' Grid Exit Point (GXP) percentage shares (i.e. quantities) are calculated using historic GXP total energy usage (year to September 2025). This is based on the Trader's ICP level submissions to Vector in EIEP1 and EIEP3 format, and ICPs are attributed to Traders and GXPs as at 31 December 2025 from registry¹ based data.

¹ The registry is a national database that contains information on every point of connection on local and embedded networks to which a consumer or embedded generator is connected.

² Please refer to [Information sheet on treatment of new customers](#) and [Information sheet on benefit-based charges: Adjustments v3](#) for further explanation.

The monthly invoice amount is calculated as:

$$\text{Customer's GXP percentage share} \times \text{GXP price for transmission} \times 100,000$$

Wash-up amount

As a Trader's or direct bill customer's consumption for each month can change, Vector will recalculate the Trader's and direct bill customer's quantity for each consumption month using the actual volumes reported for the consumption month. These wash-up amounts will be accumulated for the pricing year and invoiced or credited to Traders within four months following the end of the pricing year.

Transpower adjustment events²

Under Part 12 of the Code Vector is obliged to notify Transpower of adjustment events and provide information to enable Transpower to calculate the adjustment event amount. Traders are required to provide the necessary information for the purpose of adjustment event amounts, including but not limited to the capacity of consuming plant. Under any Distributor Agreement entered into with Vector, Vector may adjust GXP prices to reflect any material changes in pass through costs. This means that, following the initial price setting each year, Vector reserves the right to amend GXP prices on a case-by-case basis.

Electricity Network Loss Factors

In accordance with clause 6 of any Distributor Agreement entered into with Vector, the Distributor will calculate Loss Factors in accordance with the Loss Factor guidelines³. Losses and Loss Factors may be reviewed and amended by Vector from time to time, on reasonable notice to the Trader, to ensure that they reflect unaccounted for electricity on the Network.

Loss Category code	Distribution losses with respect to the GXP meter	Distribution Loss Factors with respect to the Customer meter
VECA1	4.54%	1.0476
VECA2	3.24%	1.0335
VECA3	3.24%	1.0335
VECA4	1.60%	1.0163
VECW1	6.18%	1.0659
VECW2	4.68%	1.0491
VECW3	4.68%	1.0491
VECW4	2.59%	1.0266

For the purpose of calculating the Distributor's charges for Distribution Services, unless otherwise specified, the Loss Factors detailed in this section do not need to be applied to the electricity measured at each Customer's Point of Connection. These tables show the distribution loss percentages and Loss Factors for each Loss Category code, and the Loss Category codes for each Price Category depending on metering configuration.

³ Please refer to Electricity Authority's [Guidelines on the calculation and use of loss factors](#).

⁴ The non-time of use Price Categories (ALVN, ATXN, AHVN, WLVN, WTXN & WHVN) are only available for ICPs that were on these Price Categories with a non-time of use meter as at 31

Auckland Network

Customer type	Price Category	Loss Category code (LV metered)	Loss Category code (HV metered)
Residential	ARNLC, ARNLU, ARHLC, ARHLD, ARHLU, ARNSC, ARNSU, ARHSC, ARHSD, ARHSU	VECA1	VECA1
General	ABSU, ABSN, ABSH, ABSHD	VECA1	VECA1
Commercial ⁴	ALVN	VECA1	VECA1
	ATXN, AHVN	VECA2	VECA4
	ALVT, ATXT, AHVT, AZST, ASTT, ALVTS, ATXTS, AHVTS, AZSTS, ASTTS, ALVTD, ATXTD, AHVTD	VECA3	VECA4

Northern Network

Customer type	Price Category	Loss Category code (LV metered)	Loss Category code (HV metered)
Residential	WRNLC, WRNLU, WRHLC, WRHLD, WRHLU, WRNSC, WRNSU, WRHSC, WRHSD, WRHSU	VECW1	VECW1
General	WBSU, WBSN, WBSH, WBSHD	VECW1	VECW1
Commercial ⁴	WLVN	VECW1	VECW1
	WTXN, WHVN	VECW2	VECW4
	WLVH, WTXH, WHVH, WZSH, WSTH, WLVHS, WTXHS, WHVHS, WZSHS, WSTHS, WLVHD, WTXHD, WHVHD	VECW3	VECW4

March 2022. These categories are otherwise closed. Any changes made to the connection or meter on these sites after 1 April 2022 will be required to be time of use meters and the ICP will be moved to a time of use Price Category.

Price Category codes

First letter of code	Network
A	Auckland
W	Northern

Customer definitions

Customer type	Definition
Residential	The Customer's Point of Connection is for a home, not normally used for any business activity, and not a building ancillary to a person's principal place of residence (for example, a shed, pump or garage) that is separately metered
General	The Customer is not a residential Customer and has a capacity less than or equal to 69kVA
Commercial	The Customer is not a residential Customer and has a capacity greater than 69kVA

Eligibility criteria for Price Categories

Vector will allocate Price Categories to Customers. Where a Customer meets the eligibility criteria for more than one Price Category, the Trader may request the allocation of an alternative eligible Price Category to a Customer.

⁵ For Customers in these Price Categories with load connected to Vector's Load Control System, Vector may control this load at any time for a maximum of 5 hours in any 24 hour period.

Residential

The following condition applies to the residential Price Categories:

- The Customer may only change between low user and standard Price Categories once in a 12-month period.

Residential time of use

The table below sets out the eligibility criteria for residential time of use Price Categories. To be eligible for a particular Price Category, a residential Customer must meet the criteria in both the applicable row and column. Vector expects all Traders to reconcile with Vector on these Price Categories unless a specific exemption has been provided.

		Low user	Standard
All	Customer has metering capable of recording half hourly data	Connection is at a Customer's principal place of residence	<i>No additional criteria</i>
Uncontrolled	<i>No additional criteria</i>	ARHLU, WRHLU	ARHSU, WRHSU
Controlled ⁵	Customer is not eligible for the DER price category but has an electrical hot water cylinder ⁶ connected to Vector's Load Control System	ARHLC, WRHLC	ARHSC, WRHSC

ICPs shown on the Electricity Authority Registry that indicate they have a time of use meter are required to be in the applicable time of use Price Category.

⁶ An electrical hot water cylinder must be in excess of 50 litres but may be substituted with fittings of a similar rating and load profile, provided it is approved at Vector's discretion.

Exemptions may be provided at Vector's discretion. Traders are required to request an exemption where interval data is not obtained, e.g. for persistent metering data exceptions including non-interval capable or non-communicating meters, via the standard EIEP8 process with an appropriate reason detailed. Exemptions will not be granted to ICPs with a time of use meter unless evidence of a persistent non-communicating meter is provided.

Residential negative injection charge eligible criteria

The residential negative injection charge will be applicable for a residential Customer who has injected electricity into the network during Vector's defined peak hours. The negative charge will be a credit against the residential Customer's distribution charges. The negative charges are determined in accordance with [12A.7](#) of the Electricity Industry Participation Code Amendment (Injection Payment Requirements) 2025.

Residential non-time of use

The table below sets out the eligibility criteria for residential non-time of use Price Categories. To be eligible for a particular Price Category, a residential Customer must meet the criteria in both the applicable row and column and an exemption from the residential time of use Price Categories must have been provided by Vector.

		Low user	Standard
All	Vector has provided exemption from time of use Price Categories	Connection is at a Customer's principal place of residence	<i>No additional criteria</i>
Uncontrolled	<i>No additional criteria</i>	ARNLU, WRNLU (Closed to HH meters, except by exemption)	ARNSU, WRNSU (Closed to HH meters, except by exemption)
Controlled ⁷	Customer has an electrical hot water cylinder ⁸ connected to Vector's Load Control System	ARNLC, WRNLC (Closed to HH meters, except by exemption)	ARNSC, WRNSC (Closed to HH meters, except by exemption)

⁷ For Customers in these Price Categories with load connected to Vector's Load Control System, Vector may control this load at any time for a maximum of 5 hours in any 24 hour period.

⁸ An electrical hot water cylinder must be in excess of 50 litres but may be substituted with Fittings of a similar rating and load profile, provided it is approved at Vector's discretion.

General

The table below sets out the eligibility criteria for general Price Categories. Vector expects all Traders to reconcile Customers with a metered Point of Connection with Vector on time of use Price Categories unless a specific exemption has been provided.

Type	Price Category codes	Eligibility criteria
Unmetered	ABSU, WBSU	<p>Customer's point of connection:</p> <ul style="list-style-type: none"> • does not have a meter measuring consumption; • has a capacity less than 1kVA; and • consists of fixed wired equipment with a predictable annual electricity usage⁹
Anytime (exemption)	ABSN, WBSN (Closed to HH meters, except by exemption)	Customer has a metered Point of Connection and Vector has provided exemption from time of use Price Categories
Time of use	ABSH, WBSH	Customer has metering capable of recording half hourly data

Residential and general distributed energy resources

In addition to the residential and general sections above, the table below sets out the eligibility criteria for residential and general distributed energy resources (DER) Price Categories. To be eligible, the residential or general ("mass market") Customer/ICP must have a device capable of being remotely managed off or down by the Trader, by an estimated 1.2kW of capacity, at least. Manageable devices include, but are not limited to, hot water cylinders, EV chargers, heat pumps, and pool pumps. Secondly, the Trader needs to meet the criteria in the table below.

Please note that the purpose of this is to provide an incentive, via a network price category under clause 5.1(a) of any Distributor Agreement entered into with Vector, for load managed by Traders to be consistently and reliably turned off (or down) across all the periods required by Vector, supporting increases in load management capability and performance across Vector's network.

⁹ Where any of these criteria are not met, the Customer will be required to install a meter and will be placed on the appropriate metered Price Category.

ICPs shown on the Electricity Authority Registry that indicate they have a time of use meter are required to be in the applicable time of use price category.

Exemptions may be provided at Vector's discretion. Traders are required to request an exemption where interval data is not obtained, e.g. for persistent metering data exceptions including non-interval capable or non-communicating meters, via the standard EIEP8 process with an appropriate reason detailed. Exemptions will not be granted to ICPs with a time of use meter unless evidence of a persistent non-communicating meter is provided.

General negative injection charge eligible criteria

The general negative injection charge will be applicable for a general Customer who has injected electricity into the network during Vector's defined peak hours. The negative charge will be a credit against the general Customer's distribution charges. The negative charges are determined in accordance with [12A.7](#) of the Electricity Industry Participation Code Amendment (Injection Payment Requirements) 2025.

DER Price categories are only available to mass market Customers with a communicating TOU meter. If a meter becomes non-communicating, Traders are required to resolve the issue within a reasonable timeframe. Should rectification not be possible, the Trader will need to move the Customer to a non-DER price category.

Vector's Network Connection Standards (ESA002, clause 5.8.1) has, since 1 April 2023, required that, for low voltage customers at new and replacement installations with suitable controllable load, *"the controllable circuit must be wired into a separate controllable element of the meter"*. Traders should ensure that the appropriate register content codes are entered into the registry for these ICPs, e.g. UN / CN for two-channel meters.

Type	Eligibility criteria	Price Category codes	
Residential DER	Residential or general ("mass market") Customer/ICP must contain a device capable of being remotely managed off or down by the Trader, by at least an estimated 1.2 kW of capacity.	Low user	Standard
		ARHLD, WRHLD	ARHSD, WRHSD
General DER	Manageable devices include, but are not limited to, hot water cylinders, EV chargers, heat pumps, and pool pumps. Further, the Trader needs to meet the criteria for various areas listed in the table below.		ABSHD, WBSHD

	Eligibility criteria
Load Management Protocol (“LMP”)	Trader must have signed Vector’s standard LMP to be eligible for the mass market DER network price categories (and must have signed Vector’s LMP to be able to manage any load on the network, irrespective of the network price category).
Control schedule	Control schedules for the pricing year will be notified by Vector to the Trader at least 15 working days prior to the start of the next pricing year. For PY27, schedules could differ by GXP, but in future pricing years schedules could also differ by ICP where required, subject to specific locational considerations and/or to build in diversity of response. Schedules can be updated by Vector, with a minimum of 15 working days’ notice, no more than three times in PY27.
Control periods specified in schedule	Manageable load must be turned off by the Trader in all the control periods specified by Vector. Vector can specify a maximum of two control periods per day, for a maximum of four hours per control period, with a minimum of five hours between the two control periods (for example, the schedule may specify control is required from 07:00 to 11:00 and 18:00 to 22:00, every day from May-September). The Trader is also free to control the load outside of the specified periods, as it requires (e.g. for more hours per day), subject to any restriction in the LMP.
Term	To be effective from a network planning perspective, ICPs should be on the network price category and under control for a sufficient term – ideally for several pricing years in succession, at least. ICPs moving between network price categories multiple times within a pricing year may be removed from the network price category at Vector’s discretion, with a minimum of 20 working days’ notice to you. Switching large numbers of ICPs off the DER network price categories within, or at the end of a pricing year, may lead to the Trader becoming ineligible for the DER network price categories in subsequent pricing years after Vector’s assessment of the reasoning.
Performance level	Vector’s expectation is that all devices will receive a control request for each of the periods specified in the control schedule. At least 90% of the devices across each Trader’s ICPs registered on a DER network price category must be controlled for the entirety of in each control period, measured as the % of ICPs for which instructions were sent successfully. <i>Bona fide</i> failures of technology / communications are permitted reasons for breaching performance levels, but wilful opting out of a control period for large numbers of ICPs will be a breach of the conditions of the network price category (see <i>Compliance failure</i> below).
Load return	Any conditions for load return at the conclusion of a control period will be specified as per the requirements of the LMP and in accordance with Good Electricity Industry Practice (e.g. staging / feathering load return across the Trader’s fleet).
Customer experience	Customer experience for managed load needs to be managed entirely by the Trader for ICPs on a DER network price category.
Enrolment	As per the terms of the LMP, before a request is made to enrol the ICP on the DER network price category, the Trader must register with Vector the type of device(s) being controlled at each ICP, and an estimate of load typically being shifted (average kW and kWh expected to be shifted, per event), for confirmation of any operating limits required. Confirmation by Vector of enrolment on the DER network price category will not be unreasonably withheld.

	Eligibility criteria
Maximum number of ICPs	Vector reserves the right to cap enrolment at 15,000 ICPs in total to assess the impact on the network, including a maximum of 10,000 ICPs per Trader. In the case of oversubscription, allocations to this price category will be made in the order enrolment requests were received.
Audit requirements	<p>At the end of each month, the Trader must send Vector a report of average control performance levels per ICP, per month (i.e. control instruction status – was the instruction successfully received or not).</p> <p>Vector retains the right to audit load management performance, via a method agreed by both parties, no more than twice in a pricing year. This can include information requests directly to the MEP or other device manager.</p>
Compliance failure	<p>For persistent non-performance, including the Trader (rather than the consumer) wilfully opting out of control in any control periods, Vector may, at its sole discretion, remove the ICP from the DER network price category.</p> <p>If a Trader's monthly average performance rate across all its managed ICPs on the DER network price categories falls below 90% for two consecutive months, or for four months in any twelve-month period, then at Vector's sole discretion the Trader may lose the right to have any customers on the DER network price categories for the remainder of the current pricing year, and the next pricing year.</p> <p>For the avoidance of doubt, any failure by a Trader to control within a control period due to the actions of Vector (for example an instruction under the LMP, or opting out of control following an outage), will not be deemed a breach of these performance requirements.</p>

Commercial

The following table sets out the eligibility criteria for Price Categories for commercial Customers. To be eligible for a particular Price Category, a commercial Customer must meet the criteria in both the applicable row and column.

		Time of use	Non time of use ¹⁰ – Closed, except by exemption
		Customer has metering capable of recording half hourly data which contains at least two of the following channels: kWh, kVAh, kVAh	Customer doesn't have metering capable of recording half hourly data and the capacity of Customer's connection is less than or equal to 345 kVA
Low voltage	Customer is connected to Vector's low voltage (400V three phase or 230V single phase) network	ALVT, ALVTD, ALVTS, WLVH, WLVHD, WLVHS	ALVN, WLVN (Closed, except by exemption)
Transformer	Customer's low voltage (400V three phase or 230V single phase) network is supplied directly from transformers owned by Vector	ATXT, ATXTD, ATXTS, WTXH, WTXHD, WTXHS	ATXN, WTXN (Closed, except by exemption)
High voltage	Customer is supplied directly from Vector's high voltage (11kV or higher) network	AHVT, AHVTD, AHVTS, WHVH, WHVHD, WHVHS	AHVN, WHVN (Closed, except by exemption)
Zone substation	Customer is connected directly from a Vector zone substation and/or have paid for their connection assets from Vector's high voltage (11kV or higher) network	AZST, AZSTS WZSH, WZSHS	Not available
Sub-transmission	Customer is connected directly from a Vector sub-transmission (11kV higher) network and/or have paid for their connection assets from Vector's high voltage (11kV or higher) network	ASTT, ASTTS WSTH, WSTHS	Not available

¹⁰ The non-time of use Price Categories (ALVN, ATXN, AHVN, WLVN, WTXN & WHVN) are only available for ICPs that were on these Price Categories with a non-time of use meter as at 31 March 2022. These categories are otherwise closed. Any changes made to the connection or meter on these sites after 1 April 2022 will be required to be time of use meters and the ICP will be moved to a time of use Price Category.

To aid with interpretation of the eligibility criteria for Commercial Price Categories, the following table presents (as an example only) the Price Categories available to low voltage commercial Customers on the Auckland network for different capacities and metering configurations.

		Customer has metering capable of recording half hourly data which contains at least two of the following channels: kWh, kVArh, kVAh	
		Yes	No
Customer capacity	Less than or equal to 345kVA	ALVT, ALVTS, ALVTD	ALVN ⁹ (Closed, except by exemption)
	Greater than 345kVA	ALVT, ALVTS, ALVTD	Not available

Price component definitions

Description	Price component code(s)	Applies to
Daily	-FIXD	The number of days each Customer's point of connection is Energised ¹¹
Volume	-24UC, -AICO	All electricity distributed to each Customer
Volume off-peak	-OFPK	Electricity distributed to each Customer during off-peak periods
Volume morning peak	-PEAK	Electricity distributed to each Customer during 07:00 to 11:00 for months June to August inclusive
Volume evening peak	-PEAK	Electricity distributed to each Customer during 17:00 to 22:00 for months May to September inclusive
Volume injection	-INJT	All electricity injected into the Network by each commercial Customer and non-TOU residential and general Customer
Volume peak injection	-JPK	All electricity injected into the Network by each residential and general Customer on a TOU price category during peak time
Volume off-peak injection	-JOP	All electricity injected into the Network by each residential and general Customer during off peak time
Capacity	-CAPY	The capacity of each Customer's connection to Vector's Network or in the case of HV or DER price categories the customer's nominated capacity as agreed to by Vector

¹¹ Except for the daily prices ABSU-FIXD and WBSU-FIXD, which apply to the number of days each Customer's unmetered Point of Connection or Fitting is Energised.

Description	Price component code(s)	Applies to
Demand	-DAMD	The average of each Customer's ten highest kVA demands (twice the kVAh half hourly reading) between 08:00 and 20:00 (time periods 17 to 40) on weekdays including public holidays in any one month Commercial DER customers will be exempt from the DAMD charge. However, if a customer breaches the dynamic envelope issued by Vector, or conducts any activities that result in unreasonable demand consumption, as determined by Vector's network planning team, Vector will move the ICP from Commercial DER to the appropriate non-DER standard Price Category
Excess demand	-DEXA	The difference between the anytime maximum kVA demand (twice the maximum kVAh half hourly reading) and the nominated capacity in any one month, where the Customer's anytime maximum demand is greater than the nominated capacity, or for the DER price categories, the difference between the anytime maximum kVA demand and the customer's maximum site capacity
Power factor	-PWRF	The power factor amount

Missing interval data, missing billing codes and persistent metering issues

In instances of missing interval data, Traders are to use good industry practice to estimate missing data and the standard wash-up process to adjust estimated to actual data as appropriate. Vector expects all Traders to reconcile with Vector using aggregated half hourly data unless there are persistent metering issues.

In instances of persistent metering issues for residential and general Customers, Traders are to use good industry practice in identifying affected ICPs and request an exemption for persistent metering data exceptions, including non-interval capable or non-communicating meters, via the standard EIEP8 process with an appropriate reason detailed.

When billing codes are missing, the Vector billing system will determine how to best process the files until the correct files are provided.

Consumption for the unmetered Price Category (ABSU, WBSU)

Consumption for non-streetlight unmetered Customers is determined by Vector based on load profile and fitting input wattages.

Consumption for streetlight unmetered Customers is determined by multiplying the input wattage and ballast losses of each fitting in a database administered by Vector, with the load factor, the number of days in each month and the night hours per day stated in the adjacent table:

A minimum load factor of 1.1 is applied to the input wattage for non-streetlight appliances and 1.0 for streetlight appliances.

Month	Night hours per day
January	9.61
February	10.57
March	11.61
April	12.87
May	13.81
June	14.33
July	14.13
August	13.29
September	12.17
October	11.00
November	9.93
December	9.32

Power factor prices

Vector's [Network Connection Standards](#) require Customers to maintain a power factor of greater than 0.95 lagging. If the Customer's power factor is below 0.95 lagging, Vector may apply power factor prices. Where the Customer's Metering Equipment does not record power factor, Vector may install power factor monitoring equipment and monitor the Customer's power factor.

The power factor amount is determined each month where a Customer's power factor is less than 0.95 lagging. This power factor amount (kVAr) is represented by twice the largest difference between the Customer's kVArh recorded in any one half-hour period and the kWh demand divided by three recorded in the same half-hour period, during each month. The price is applicable between 08:00 and 20:00 (time periods 17 to 40) on weekdays including public holidays.

Commercial ICPs with solar installations

Solar panels can cause issues in the power factor calculation but do not necessarily cause detrimental impacts on the network. Subject to Vector's discretion and assessment, a commercial ICP with solar installation on a time of use Price Category can be assigned to the commercial solar Price Categories with no power factor prices.

An ICP must file the required information requested during connection including the Certificate of Compliance to identify itself as a solar ICP. It will be subject to Vector's engineering and billing teams' reviews to assess if the poor power factor is caused by the solar installation or if it is a genuine power factor issue.

Commercial ICPs with distributed energy resources (DERs)

Vector's commercial DER price categories allow low voltage, transformer and high voltage connections to nominate a minimum guaranteed capacity (billed capacity) that is always available and the maximum site capacity that may be made available with integration to Vector's DERMS. Minimum guaranteed capacity and maximum site capacity will be subject to Vector's engineering team's review and approval. It is at Vector's discretion how many customers are allowed annually to be added to each DER price category. Please refer to page 25 for the application form.

A DER Customer must apply for and enter into a DERMS agreement with Vector which is applicable to the site and includes the following commitments:

- To pay for connection assets as required for integration with Vector's DERMS.
- Communicate with and respond to Vector's DERMS.
- Agree to operational parameters that are applicable to the connection, such as a minimum guaranteed capacity, maximum site capacity and a fallback profile (allowable capacity during DERMS system communication failure or outage).
- To have the ability to manage load according to the DERMS agreement.
- The customer is exempt from demand (DAMD) price component provided the customer follows Vector's DERMS instructions at all times. Failure to follow Vector's DERMS instructions may result in customer's removal from the DER price category and be placed in the appropriate non-DER price category as determined by Vector.

Customer capacity

Price Category	Capacity charging basis
All except AHVT, AZST, ASTT, AHVTS, AZSTS, ASTTS, WHVH, WZST, WSTH, WHVHS, WZSTS, WSTHS	The nearest standard capacity of each Customer's point of connection as determined by Vector.
ALVTD, ATXTD, AHVT, AZST, ASTT, AHVTS, AZSTS, ASTTS, WLVHD, WTXHS, WHVH, WZST, WSTH, WHVHS, WZSTS, WSTHS	Capacity nominated by the Trader or Customer.

The following conditions apply to all Price Categories:

- Vector may require the Customer's demand not to exceed the capacity of their Point of Connection at any time;
- Changes to the capacity of the Customer's Point of Connection may be requested by the Trader;
- Vector may pass some or all of the costs associated with the change in capacity on to the Trader (including removal of stranded assets such as transformers); and
- Changes to the Customer's capacity are subject to the agreement of Vector and the availability of spare capacity on Vector's Network and may be subject to additional charges (such as capital contributions).

The following condition applies to all Price Categories except AHVT, AZST, ASTT, AHVTS, AZSTS, ASTTS, WHVH, WZST, WSTH, WHVHS, WZSTS and WSTHS:

- Any change to the Customer's capacity requires the current limiting device (such as a fuse or transformer) to be changed by Vector to the nearest standard capacity.

The following conditions apply to the AHVT, AZST, ASTT, AHVTS, AZSTS, ASTTS, WHVH, WZST, WSTH, WHVHS, WZSTS and WSTHS Price Categories:

- The nominated capacity may only be changed once in each 12 month period ending on 31 March each year unless at Vector's discretion;
- Nominated capacities must reasonably estimate the capacity requirement of each high voltage Customer connected to Vector's network;
- For a back-up Point of Connection, the nominated capacity may be zero and must have a primary Point of Connection, with a non-zero nominated capacity;
- Vector does not guarantee the availability of increased nominated capacity at any time; and
- The application of excess demand prices does not imply or guarantee the availability of increased nominated capacity above the Customer's existing nominated capacity.

Extent of prices

Vector's prices published in this schedule relate to the cost of owning, operating and maintaining the distribution network as it currently exists but do not include amongst other things, energy charges for the electricity Customers use, metering equipment charges, Load Control Equipment located at the Point of Connection to the Network, the cost of reading meters and the cost of Customer Electrical Installations or Fittings.

In order for Vector to supply any new or changed Distribution Service, including but not limited to; changes to Service Standards, Distributed Generation, the connection to the Network of additional Points of Connection and the modification, increased capacity, relocation or removal of current Points of Connection, Vector may apply non-standard prices other than those outlined in this schedule, or require a capital contribution on a case-by-case basis.

Should Vector forecast a potential price breach under the regulated price path, then Vector may provide a refund or rebate of electricity distribution charges directly to the Trader(s) to avoid such a breach.

All prices are exclusive of GST.

Provision of billing information

The Customer's Trader must provide Vector with consumption data for each Customer and for each Price as described in this schedule.

Where more than one meter at a Point of Connection is in use, but a single volume price applies, consumption data must be aggregated by the Trader before submitting to Vector.

For residential and general Customers, where a half hourly meter is fitted, consumption data must be aggregated by the Trader to match the appropriate prices and time periods before submitting the data to Vector.

For commercial Customers, where a half hourly meter is fitted and the Customer's Price Category requires half hourly data, the Customer's Trader must submit half hourly consumption information. Half hourly data provided by the Trader must contain at least two of the following channels: kWh, kVAh and kVAh.

The following table shows the EIEP file type required to be submitted to Vector for each Price Category.

Customer type	Price Category type	Price Category	EIEP file type
Residential	Time of use	ARHLC, ARHLD, ARHLU, ARHSC, ARHSD, ARHSU, WRHLC, WRHLD, WRHLU, WRHSC, WRHSD, WRHSU	EIEP1
	Exemption	ARNLC, ARNLU, ARNSC, ARNSU, WRNLC, WRNLU, WRNSC, WRNSU	EIEP1
General	Unmetered	ABSU, WBSU	EIEP1
	Time of use	ABSH, WBSH, ABSHD, WBSHD	EIEP1
	Exemption	ABSN, WBSN	EIEP1
Commercial	Non time of use	ALVN, ATXN, AHVN, WLVN, WTXN, WHVN	EIEP1
	Time of use	ALVT, ATXT, AHVT, AZST, ASTT, WLVH, WTXH, WHVH, WZST, WSTH, ALVTS, ATXTS, AHVTS, AZSTS, ASTTS, WLVHS, WTXHS, WHVHS, WZSHS, WSTHS, ALVTD, ATXTD, AHVTD, WLVHD, WTXHD, WHVHD	EIEP3

Vector electricity distribution networks

High voltage / Zone substation / Sub-transmission

nominated capacity request form

Please provide the following information and send to vector.billing@vector.co.nz or directly to your Vector account manager.

Business name:

Contact person:

Connection network: Auckland / Northern

Connection address:

Email address:

Phone number:

ICP number:

Installed capacity (kVA):

Nominated capacity request (kVA):

Energy Trader (at time of application):

Request date from which nominated capacity is to apply:

Signed on behalf of:

By:

Signature of Customer:

Name of signatory:

Date:

Vector electricity distribution networks power factor exemption due to solar installation request form

Please provide the following information and send to vector.billing@vector.co.nz

Required additional documents:

- Certificate of Compliance
- kVAr and kW at the ICP point of connection¹²
- kVAr and kW from the solar installation provided¹²

ICP number:

Business name:

Contact person:

Connection address:

Email address:

Phone number:

Signed on behalf of by
Trader/Consultant:

Name (print):

Signature of Customer:

Name (print):

Date:

¹² The measurements need to be instantaneous measurements (i.e. not energy over a period, but rather a snapshot at 30-minute intervals). A minimum of one month's data is required.

Vector electricity distribution networks

Commercial DER price category application form, part 1

Please provide the following information and send to DERapplication@vector.co.nz

Please note this is the initial application for the first stage approval. Once the assets are installed and DERMS integration is completed, stage 2 commences and the customer will receive a second application form via email to ensure the DERMS communication is implemented.

ICP number:

Business name:

Contact person:

Connection address:

Nominated minimum
guaranteed capacity¹³ (kVA):

Maximum site capacity¹⁴
(kVA):

Load management system
provider¹⁵:

Load management system
provider contact details:

Email address:

Phone number:

Signed on behalf of by
Trader/Consultant:

Name (print):

Signature of Customer:

Name (print):

Date:

¹³ This is the guaranteed capacity.

¹⁴ This is the requested capacity from Vector's DERMS. The local connection assets will be assessed and may be augmented to support this capacity request.

¹⁵ Service provider name if not self-managed.