

Auckland electricity distribution network



Price schedule for general consumers

Applicable from 1 April 2016

This schedule describes Vector’s standard prices for providing electricity distribution services in respect of general consumers on the Auckland network. Vector offers three price categories for general consumers on the Auckland network depending on the consumer’s metering type.

General consumer definitions

A general consumer is where the consumer is not a residential consumer (as defined in Vector’s price schedule for residential consumers) and the consumer’s point of connection has a capacity less than or equal to 69kVA.

The network that consumers are supplied from is determined by Vector from time to time based on the physical location of the point of connection of the consumer’s electrical installation. The approximate area covered by the Auckland electricity distribution network is shown in green on the following map.



Distribution prices and pass-through and recoverable cost prices

In the following pricing tables the “Delivery Price” column represents the Tariff Rate for Distribution Services and is the sum of the following components:

- “Dist. Price” is an indicative value for the distribution component of prices. These relate to Vector’s costs of owning and operating our network; and
- “Pass. Price” is an indicative value for the pass-through and recoverable component of prices which relates to the costs from third parties including but not limited to: Council rates, Electricity Authority, Commerce Act and Electricity

and Gas Complaints Commissioner levies, and transmission charges from Transpower.

General metered price category ABSN

The ABSN price category is available to general consumers where the consumer has a metered point of connection.

| Price category ABSN | | | | | |
|---------------------|-----------|--------|-------------|-------------|----------------|
| Description | Code | Units | Dist. Price | Pass. Price | Delivery Price |
| Fixed | ABSN-FIXD | \$/day | 0.9900 | - | 0.9900 |
| Volume | ABSN-24UC | \$/kWh | 0.0255 | 0.0380 | 0.0635 |
| Volume, injection | ABSN-INJT | \$/kWh | - | - | - |

- The fixed price (ABSN-FIXD) applies to the number of days each ABSN general consumer’s point of connection is energised.
- The volume price (ABSN-24UC) applies to all electricity distributed to each ABSN general consumer.
- The volume injection price (ABSN-INJT) applies to all electricity injected into the network by each ABSN general consumer.

General metered half hourly price category ABSH

The ABSH price category is available to general consumers who are on a qualifying retail price option with metering capable of recording half hourly data.

| Price category ABSH | | | | | |
|---------------------|-----------|--------|-------------|-------------|----------------|
| Description | Code | Units | Dist. Price | Pass. Price | Delivery Price |
| Fixed | ABSH-FIXD | \$/day | 0.9900 | - | 0.9900 |
| Volume, off-peak | ABSH-OFPK | \$/kWh | 0.0255 | - | 0.0255 |
| Volume, peak | ABSH-PEAK | \$/kWh | 0.0255 | 0.1000 | 0.1255 |
| Volume, injection | ABSH-INJT | \$/kWh | - | - | - |

- The fixed price (ABSH-FIXD) applies to the number of days each ABSH general consumer’s point of connection is energised.

- The volume off-peak price (ABSH-OFPK) applies to electricity distributed to each ABSH general consumer during off-peak periods.
- The volume peak price (ABSH-PEAK) applies to electricity distributed to each ABSH general consumer during peak periods.
- The volume injection price (ABSH-INJT) applies to all electricity injected into the network by each ABSH general consumer.

Peak and off-peak periods for half hourly price categories

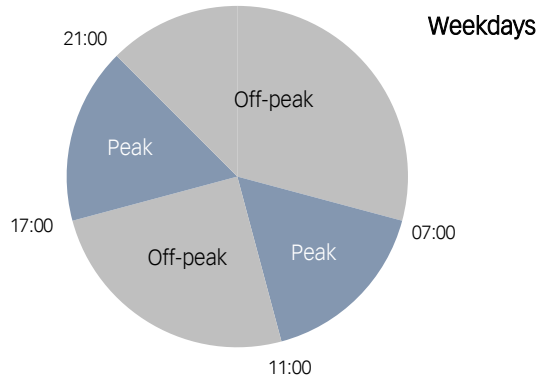
Peak periods occur on:

- Weekdays (Monday to Friday including public holidays) from 07:00 to 11:00 (time periods 15 to 22) and 17:00 to 21:00 (time periods 35 to 42).

Off-peak periods occur on:

- Weekdays (Monday to Friday including public holidays) from 11:00 to 17:00 (time periods 23 to 34) and 21:00 to 07:00 (time periods 43 to 14) the following day; and
- Weekends (Saturday and Sunday).

The following chart shows the times on weekdays to which the peak and off-peak volume prices apply for the ABSH price category:



Qualifying retail price options for half hourly price categories

Vector will determine whether a retail price option qualifies for Vector's half hourly price categories, following an application by a retailer, based on the extent that Vector's distribution price signals are incorporated into the retail option and the number of consumers affected.

General unmetered price category ABSU

The ABSU price category applies to general consumers where the consumer's point of connection does not have a meter measuring consumption, has a capacity less than 1kVA and consists of fixed wired equipment

with a predictable annual electricity usage. Where any of these criteria are not met, the consumer will be required to install a meter and will be placed on the appropriate metered price category.

| Price category ABSU | | | | | |
|---------------------|-----------|----------------|-------------|-------------|----------------|
| Description | Code | Units | Dist. Price | Pass. Price | Delivery Price |
| Fixed | ABSU-FIXD | \$/day/fitting | 0.1500 | - | 0.1500 |
| Volume | ABSU-24UC | \$/kWh | 0.0320 | 0.0380 | 0.0700 |

- The fixed price (ABSU-FIXD) applies to the number of days each ABSU unmetered consumer's unmetered point of connection or fitting is energised.
- The volume price (ABSU-24UC) applies to all electricity distributed to each ABSU unmetered consumer's point of connection or fitting.
- Consumption for ABSU non-streetlight unmetered consumers is determined by Vector based on load profile and fitting input wattages. A minimum load factor of 1.1 is applied to the input wattage for non-streetlight appliances and 1.0 for streetlight appliances.
- Consumption for ABSU streetlight unmetered consumers is determined by multiplying the input wattage 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 following table:

| 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 |

Consumer capacity

The capacity used to allocate consumers to a price category is based on the nearest standard capacity of each consumer's point of connection as determined by Vector subject to the following conditions:

- Vector may require the consumer's demand not to exceed the capacity of their point of connection at any time;
- Changes to the capacity of the consumer's point of connection may be requested by the retailer;

- Any change to the consumer's capacity requires the current limiting device (such as a fuse or transformer) to be changed by Vector to the nearest standard capacity;
- Vector may pass some or all of the costs associated with the change in capacity on to the retailer (including removal of stranded assets such as transformers); and
- Changes to the consumer'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).

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 retailer before submitting to Vector.

Where a half hourly meter is fitted, consumption data must be aggregated by the retailer to match the appropriate prices and time periods before submitting the data to Vector.

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 consumers 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 consumer 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.

Vector's prices do not include ancillary service charges and loss constraint excess payments from the system operator and transmission provider respectively. These costs may be passed through by Vector directly to electricity retailers.

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 electricity retailer in order to avoid such a breach.

All prices are exclusive of GST.

Provision of billing information

The consumer's retailer must provide Vector with consumption data for each general consumer and for each price as described in this schedule.