

# Auckland electricity distribution network



## Price schedule for residential consumers

Applicable from 1 April 2016

This schedule describes Vector's standard prices for providing electricity distribution services in respect of residential consumers on the Auckland network. Vector offers eight price categories for residential consumers on the Auckland network depending on the consumer's annual usage, metering type, whether the consumer has gas installed and whether the consumer makes some of their load available to Vector for load management.

### Residential consumer definitions

A residential consumer is where the consumer's metered point of connection is for a home, not normally used for any business activity.

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.

### Residential uncontrolled low fixed price category ARUL

The ARUL price category is available to all residential consumers at their principal place of residence, but is typically suitable for consumers who use less than 8,000kWh per annum.

Price category ARUL					
Description	Code	Units	Dist. Price	Pass. Price	Delivery Price
Fixed	ARUL-FIXD	\$/day	0.1500	-	0.1500
Volume, uncontrolled	ARUL-24UC	\$/kWh	0.0638	0.0380	0.1018
Volume, injection	ARUL-INJT	\$/kWh	-	-	-

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

### Residential controlled low fixed price category ARCL

The ARCL price category is available to residential consumers at their principal place of residence who have an electrical hot water cylinder<sup>1</sup> connected to Vector's load control system. Vector may control load connected to its load control system at any time for a maximum of 5 hours in any 24 hour period. This price category is typically suitable for consumers who use less than 8,000kWh per annum.

<sup>1</sup> 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 at Vector's discretion.

Price category ARCL					
Description	Code	Units	Dist. Price	Pass. Price	Delivery Price
Fixed	ARCL-FIXD	\$/day	0.1500	-	0.1500
Volume, controlled	ARCL-AICO	\$/kWh	0.0638	0.0300	0.0938
Volume, injection	ARCL-INJT	\$/kWh	-	-	-

- The fixed price (ARCL-FIXD) applies to the number of days each ARCL residential consumer's point of connection is energised.
- The volume controlled price (ARCL-AICO) applies to all electricity distributed to each ARCL residential consumer.
- The volume injection price (ARCL-INJT) applies to all electricity injected into the network by each ARCL residential consumer.

### Residential gas low fixed price category ARGL

The ARGL price category is available to residential consumers at their principal place of residence who are also connected to Vector's Auckland gas distribution network and is typically suitable for consumers who use less than 8,000kWh per annum.

Price category ARGL					
Description	Code	Units	Dist. Price	Pass. Price	Delivery Price
Fixed	ARGL-FIXD	\$/day	0.1500	-	0.1500
Volume, uncontrolled	ARGL-24UC	\$/kWh	0.0638	0.0300	0.0938
Volume, injection	ARGL-INJT	\$/kWh	-	-	-

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

### Residential half hourly low fixed price category ARHL

The ARHL price category is available to residential consumers at their principal place of residence who are on a qualifying retail price option with metering capable of recording half hourly data. This price category is typically suitable for consumers who use less than 8,000kWh per annum.

Price category ARHL					
Description	Code	Units	Dist. Price	Pass. Price	Delivery Price
Fixed	ARHL-FIXD	\$/day	0.1500	-	0.1500
Volume, off-peak	ARHL-OFPK	\$/kWh	0.0638	-	0.0638
Volume, peak	ARHL-PEAK	\$/kWh	0.0638	0.1000	0.1638
Volume, injection	ARHL-INJT	\$/kWh	-	-	-

- The fixed price (ARHL-FIXD) applies to the number of days each ARHL residential consumer's point of connection is energised.
- The volume off-peak price (ARHL-OFPK) applies to electricity distributed to each ARHL residential consumer during off-peak periods.
- The volume peak price (ARHL-PEAK) applies to electricity distributed to each ARHL residential consumer during peak periods.
- The volume injection price (ARHL-INJT) applies to all electricity injected into the network by each ARHL residential consumer.

### Residential uncontrolled standard price category ARUS

The ARUS price category is available to all residential consumers, but is typically suitable for consumers who use more than 8,000kWh per annum.

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

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

### Residential controlled standard price category ARCS

The ARCS price category is available to residential consumers with an electrical hot water cylinder<sup>2</sup> connected to Vector's load control system. Vector may control load connected to its load control system at any time for a maximum of 5 hours in any 24 hour period.

<sup>2</sup> 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 at Vector's discretion.

This price category is typically suitable for consumers who use more than 8,000kWh per annum.

Price category ARCS					
Description	Code	Units	Dist. Price	Pass. Price	Delivery Price
Fixed	ARCS-FIXD	\$/day	0.9900	-	0.9900
Volume, controlled	ARCS-AICO	\$/kWh	0.0255	0.0300	0.0555
Volume, injection	ARCS-INJT	\$/kWh	-	-	-

- The fixed price (ARCS-FIXD) applies to the number of days each ARCS residential consumer's point of connection is energised.
- The volume controlled price (ARCS-AICO) applies to all electricity distributed to each ARCS residential consumer.
- The volume injection price (ARCS-INJT) applies to all electricity injected into the network by each ARCS residential consumer.

### Residential gas standard price category ARGS

The ARGS price category is available to residential consumers who are also connected to Vector's Auckland gas distribution network and is typically suitable for consumers who use more than 8,000kWh per annum.

Price category ARGS					
Description	Code	Units	Dist. Price	Pass. Price	Delivery Price
Fixed	ARGs-FIXD	\$/day	0.9900	-	0.9900
Volume, uncontrolled	ARGs-24UC	\$/kWh	0.0255	0.0300	0.0555
Volume, injection	ARGs-INJT	\$/kWh	-	-	-

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

### Residential half hourly standard price category ARHS

The ARHS price category is available to residential consumers who are on a qualifying retail price option with metering capable of recording half hourly data. This price category is typically suitable for consumers who use more than 8,000kWh per annum.

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

- The fixed price (ARHS-FIXD) applies to the number of days each ARHS residential consumer's point of connection is energised.
- The volume off-peak price (ARHS-OFPK) applies to electricity distributed to each ARHS residential consumer during off-peak periods.
- The volume peak price (ARHS-PEAK) applies to electricity distributed to each ARHS residential consumer during peak periods.
- The volume injection price (ARHS-INJT) applies to all electricity injected into the network by each ARHS residential consumer.

### Peak and off-peak periods for half hourly price categories

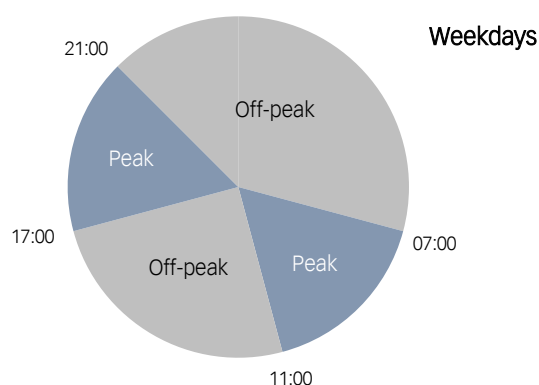
Peak periods occur on:

- 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 ARHL and ARHS price categories:



## **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.

## **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 residential consumer 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 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.