

Price schedule for residential customers

Effective 1 April 2012

This document describes Vector's standard electricity distribution charges for residential customers on the Auckland electricity distribution network. Our charges cover the cost of transmitting electricity across Transpower's national grid and distributing electricity to you across Vector's local distribution network. Vector offers four price plans for residential customers depending on whether Vector can control your hot water cylinder and your metering type.

Residential customer definitions

You are classified as a residential customer when you have a metered connection for the purpose of supplying a private dwelling (intended for occupation mainly as a place of residence) not normally used for any business activity. Business activities include, but are not limited to, the following:

- Any prison that is operated by the Department of Corrections or is a police jail;
- Any hospital, home, or other institution for the care of sick, disabled, or aged persons;
- Police barracks, or police cells and lock-ups;
- Barracks conducted by the Armed Forces for the accommodation of persons subject to the Armed Forces Discipline Act 1971;
- Any hostel, barracks, dormitory, or other similar type of premises providing accommodation for any persons or class of persons;
- A building occupied by a club and used by the club for the provision of temporary or transient accommodation to members of the club;
- Any hotel in respect of which there is in force an on-licence under the Sale of Liquor Act 1989;
- Any hotel, motel, boarding house, or lodging house used for the provision of temporary or transient accommodation; and
- Any camping ground, motor camp, or marina.

The network that you are supplied from is determined by Vector from time to time based on the physical location of the connection of your premise or property to our network. The approximate area covered by our Auckland electricity distribution network is shown on the following map.



Selection of price plan

Where more than one price plan is available within the residential customer type, then you (or your retailer acting on your behalf) may select from the available price plans. In selecting a price plan you must meet the requirements of that price plan as specified in this schedule.

Residential uncontrolled price plan A100

The A100 price plan is available to residential customers who do not have an electrical hot water cylinder in excess of 50 litres connected to Vector's load management system.

| Residential uncontrolled A100 (exc. GST, and before 10% prompt payment discount) | | | |
|---|-----------|--------|--------|
| Charge type | Code | Units | Rate |
| Fixed | A100-FIXD | \$/day | 0.1667 |
| Variable, night | A100-NITE | \$/kWh | 0.0740 |
| Variable, uncontrolled | A100-24UC | \$/kWh | 0.1156 |

- The fixed charge (code A100-FIXD) is a daily charge applied to the number of days you are connected to Vector's network.
- The night charge (code A100-NITE) applies to electricity distributed to you for load permanently wired to a separate night timer controlled meter.

Appliances connected to the night timer controlled meter can only draw current between the hours from 23:00 to 07:00 (time periods 47 to 14) plus a boost period of one hour sometime between 13:00 and 15:30 (time periods 27 to 31). The appliances connected to the night timer controlled meter must not be able to draw current outside of the hours specified. The night charge is closed to all customers who did not receive the night charge prior to 1 April 2011, or as otherwise specified by Vector.

- The uncontrolled charge (code A100-24UC) applies to all electricity distributed to you but excludes night consumption (A100-NITE).

Residential controlled price plan A102

The A102 price plan is available to residential customers with an electrical hot water cylinder in excess of 50 litres¹ connected to Vector's load management system. The A102 price plan is not available in all areas, depending on the penetration of Vector's load management system.

| Residential controlled A102 (exc. GST, and before 10% prompt payment discount) | | | |
|---|-----------|--------|--------|
| Charge type | Code | Units | Rate |
| Fixed | A102-FIXD | \$/day | 0.1667 |
| Variable, night | A102-NITE | \$/kWh | 0.0644 |
| Variable, all inclusive | A102-AICO | \$/kWh | 0.0963 |

- The fixed charge (code A102-FIXD) is a daily charge applied to the number of days you are connected to Vector's network
- The night charge (code A102-NITE) applies to electricity distributed to you for load permanently wired to a separate night timer controlled meter. Appliances connected to the night timer controlled meter can only draw current between the hours from 23:00 to 07:00 (time periods 47 to 14) plus a boost period of one hour sometime between 13:00 and 15:30 (time periods 27 to 31). The appliances connected to the night timer controlled meter must not be able to draw current outside of the hours specified. The night charge is closed to all customers who did not receive the night charge prior to 1 April 2011, or as otherwise specified by Vector.
- The all inclusive controlled charge (code A102-AICO) applies to all electricity distributed to you but excludes night consumption (A102-NITE). Vector may control load connected to its load management system at any time for a maximum of

5 hours in any 24 hour period subject to the terms and conditions of your contract.

Residential uncontrolled advanced price plan ARUH

The ARUH price plan is available to residential customers with metering capable of recording half hourly data who do not have an electrical hot water cylinder in excess of 50 litres connected to Vector's load management system.

| Residential advanced uncontrolled ARUH (exc. GST, and before 10% prompt payment discount) | | | |
|--|-----------|--------|--------|
| Charge type | Code | Units | Rate |
| Fixed | ARUH-FIXD | \$/day | 0.1667 |
| Variable, off-peak | ARUH-OFPK | \$/kWh | 0.0924 |
| Variable, shoulder | ARUH-SHLD | \$/kWh | 0.1156 |
| Variable, peak | ARUH-PEAK | \$/kWh | 0.1527 |

- The fixed charge (code ARUH-FIXD) is a daily charge applied to the number of days you are connected to Vector's network.
- The variable off-peak charge (code ARUH-OFPK) applies to electricity distributed to you during the off-peak period. The off-peak period covers the period of time from 22:00 to 06:00 (time periods 45 to 12) the following day.
- The variable shoulder charge (code ARUH-SHLD) applies to electricity distributed to you during the shoulder period. The shoulder period covers the periods of time from 06:00 to 07:30, 09:30 to 17:30 and 19:30 to 22:00 (time periods 13 to 15, 20 to 35 and 40 to 44) on weekdays including public holidays, and from 06:00 to 22:00 (time periods 13 to 44) on weekends.
- The variable peak charge (code ARUH-PEAK) applies to electricity distributed to you during the peak period. The peak period covers the periods of time from 07:30 to 09:30 and 17:30 to 19:30 (time periods 16 to 19 and 36 to 39) on weekdays including public holidays.

Residential controlled advanced price plan ARCH

The ARCH price plan is available to residential customers with metering capable of recording half hourly data who have an electrical hot water cylinder in excess of 50 litres² connected to Vector's load management system.

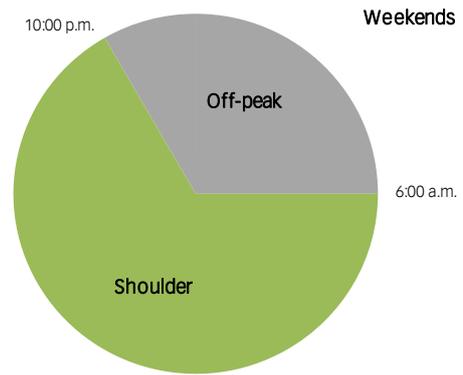
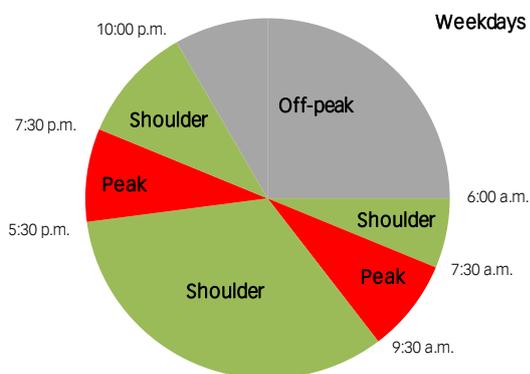
1. An electrical hot water cylinder may be substituted with appliances of a similar rating and load profile at Vector's discretion.

| Residential advanced controlled ARCH (exc. GST, and before 10% prompt payment discount) | | | |
|--|-----------|--------|--------|
| Charge type | Code | Units | Rate |
| Fixed | ARCH-FIXD | \$/day | 0.1667 |
| Variable, off-peak | ARCH-OFPK | \$/kWh | 0.0771 |
| Variable, shoulder | ARCH-SHLD | \$/kWh | 0.0963 |
| Variable, peak | ARCH-PEAK | \$/kWh | 0.1272 |

- The fixed charge (code ARCH-FIXD) is a daily charge applied to the number of days you are connected to Vector's network.
- The variable off-peak charge (code ARCH-OFPK) applies to electricity distributed to you during the off-peak period. The off-peak period covers the period of time from 22:00 to 06:00 (time periods 45 to 12) the following day.
- The variable shoulder charge (code ARCH-SHLD) applies to electricity distributed to you during the shoulder period. The shoulder period covers the periods of time from 06:00 to 07:30, 09:30 to 17:30 and 19:30 to 22:00 (time periods 13 to 15, 20 to 35 and 40 to 44) on weekdays including public holidays, and from 06:00 to 22:00 (time periods 13 to 44) on weekends.
- The variable peak charge (code ARCH-PEAK) applies to electricity distributed to you during the peak period. The peak period covers the periods of time from 07:30 to 09:30 and 17:30 to 19:30 (time periods 16 to 19 and 36 to 39) on weekdays including public holidays.
- Vector may control load connected to its load management system at any time for a maximum of 5 hours in any 24 hour period subject to the terms and conditions of your contract.

Peak periods for advanced price plans

The following charts show the time periods to which the different variable charges apply for the ARUH and ARCH residential advanced price plans:



Extent of charges

Our distribution charges published in this schedule relate to the cost of owning, operating and maintaining the network as it currently exists but do not include amongst other things, energy charges for the electricity you use, metering charges, load management equipment located at your connection to the network, the cost of reading meters and the cost of your fittings or appliances.

- In order for us to supply any new or changed distribution service to you including but not limited to; changes to security or service levels, the connection to the network of additional connections and the modification, relocation or removal of current connections, we may apply non-standard charges other than those outlined in this schedule on a case by case basis.
- Our distribution charges recover pass through costs from third parties which account for approximately 30% of the rates listed in this schedule. Pass through costs include transmission (and avoided transmission) charges, council rates and Electricity Authority and Commerce Act levies.
- Our distribution charges do not include ancillary service charges and loss constraint excess payments from the System Operator and Transpower respectively. These charges are passed through by Vector in their entirety with no mark-up directly to your electricity retailer.
- All rates are exclusive of GST and are eligible for a 10% discount if paid to your retailer by the due date.

For further information

Your electricity retailer bills you for our distribution charges on our behalf. This avoids the additional expense of both Vector and your retailer establishing a billing system, and the need for you to make two separate payments. If you would like to discuss how Vector's distribution charges are applied to your bill, please contact your electricity retailer.

Auckland electricity distribution network



Price schedule for business customers

Effective 1 April 2012

This document describes Vector's standard electricity distribution charges for business customers on the Auckland electricity distribution network. Our charges cover the cost of transmitting electricity across Transpower's national grid and distributing electricity to you across Vector's local distribution network. Vector offers two price plans for business customers depending on your metering type.

Business customer definitions

You are classified as a business customer when you are not a residential customer (as outlined in Vector's residential customer price schedule) and your connection has a capacity less than or equal to 69KVA.

The network that you are supplied from is determined by Vector from time to time based on the physical location of the connection of your premise or property to our network. The approximate area covered by our Auckland electricity distribution network is shown on the following map.



Selection of price plan

Where more than one price plan is available within the business customer type, then you (or your retailer acting on your behalf) may select from the available price plans. In selecting a price plan you must meet the requirements of that price plan as specified in this schedule.

Business unmetered price plan ABSU

The ABSU price plan applies to business customers where the customer's 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 is not met, the customer will be required to install a meter and will be placed on the appropriate metered price plan.

| Price plan ABSU (exc. GST, and before 10% prompt payment discount) | | | |
|---|-----------|--------|--------|
| Charge type | Code | Units | Rate |
| Fixed | ABSU-FIXD | \$/day | 0.1222 |
| Variable | ABSU-24UC | \$/kWh | 0.0814 |

- The fixed charge (code ABSU-FIXD) is a daily charge applied to the number of days each unmetered fitting is connected to Vector's network.
- The variable charge (code ABSU-24UC) applies to all electricity distributed to each unmetered fitting.
- Non-streetlight customer consumption is determined by Vector based on load profile and appliance input wattages. A minimum load factor of 1.1 is applied to the input wattage.
- Streetlight customer consumption 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 |

Business metered price plan ABSN

The ABSN price plan applies to business customers who have a metered connection.

| Price plan ABSN (exc. GST, and before 10% prompt payment discount) | | | |
|---|-----------|--------|--------|
| Charge type | Code | Units | Rate |
| Fixed | ABSN-FIXD | \$/day | 0.5333 |
| Variable | ABSN-24UC | \$/kWh | 0.0850 |

- The fixed charge (code ABSN-FIXD) is a daily charge applied to the number of days you are connected to Vector's network.
- The variable charge (code ABSN-24UC) applies to all electricity distributed to you.

Customer capacity

The capacity used to allocate you to a price plan is based on the nearest standard capacity of your connection as determined by Vector subject to the following conditions:

- Vector may require your demand not to exceed the capacity of your connection at any time;
- Changes to the capacity of your connection may be requested by you;
- Any change to your capacity requires the current limiting device (such as 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 you (including removal of stranded assets such as transformers); and
- Changes to your capacity are subject to the agreement of Vector and the availability of spare capacity on Vector's network.

Extent of charges

Our distribution charges published in this schedule relate to the cost of owning, operating and maintaining the network as it currently exists but do not include amongst other things, energy charges for the electricity you use, metering charges, load management equipment located at your connection to the network, the cost of reading meters and the cost of your fittings or appliances.

- In order for us to supply any new or changed distribution service to you including but not limited to; changes to security or service levels, the connection to the network of additional connections and the modification, relocation or removal of current connections, we may apply non-standard charges other than those outlined in this schedule on a case by case basis.

- Our distribution charges recover pass through costs from third parties which account for approximately 30% of the rates listed in this schedule. Pass through costs include transmission (and avoided transmission) charges, council rates and Electricity Authority and Commerce Act levies.
- Our distribution charges do not include ancillary service charges and loss constraint excess payments from the System Operator and Transpower respectively. These charges are passed through by Vector in their entirety with no mark-up directly to your electricity retailer.
- All rates are exclusive of GST and are eligible for a 10% discount if paid to your retailer by the due date.

For further information

Your electricity retailer bills you for our distribution charges on our behalf. This avoids the additional expense of both Vector and your retailer establishing a billing system, and the need for you to make two separate payments. If you would like to discuss how Vector's distribution charges are applied to your bill, please contact your electricity retailer.

Auckland electricity distribution network



Price schedule for low voltage customers

Effective 1 April 2012

This document describes Vector's standard electricity distribution charges for low voltage customers on the Auckland electricity distribution network. Our charges cover the cost of transmitting electricity across Transpower's national grid and distributing electricity to you across Vector's local distribution network. Vector offers two price plans for low voltage customers depending on your metering type and has one additional closed price plan.

Low voltage customer definitions

You are classified as a low voltage customer when you are not a residential customer (as outlined in Vector's residential customer price schedule) and you have a metered connection greater than 69kVA connected to Vector's low voltage (400V three phase or 230V single phase) network.

The network that you are supplied from is determined by Vector from time to time based on the physical location of the connection of your premise or property to our network. The approximate area covered by our Auckland electricity distribution network is shown on the following map.



Selection of price plan

Where more than one price plan is available within the low voltage customer type, then you (or your retailer acting on your behalf) may select from the available price plans. In selecting a price plan you must meet the requirements of that price plan as specified in this schedule.

Low voltage closed price plan ALVC

The ALVC price plan is closed to all new and existing customers, except those specified by Vector as qualifying for this price plan.

| Price plan ALVC (CLOSED) | | | |
|--|-----------|------------|--------|
| (exc. GST, and before 10% prompt payment discount) | | | |
| Charge type | Code | Units | Rate |
| Fixed | ALVC-FIXD | \$/day | 0.2222 |
| Variable | ALVC-24UC | \$/kWh | 0.0733 |
| Capacity | ALVC-CAPY | \$/kVA/day | 0.0356 |

- The fixed charge (code ALVC-FIXD) is a daily charge applied to the number of days you are connected to Vector's network.
- The variable charge (code ALVC-24UC) applies to all electricity distributed to you.
- The capacity charge (code ALVC-CAPY) is a daily charge applied to the capacity of your connection to Vector's network.

Low voltage price plan ALVN

The ALVN price plan is available to low voltage customers. Metering capable of recording half hourly data is not required on this price plan.

| Price plan ALVN | | | |
|--|-----------|------------|--------|
| (exc. GST, and before 10% prompt payment discount) | | | |
| Charge type | Code | Units | Rate |
| Fixed | ALVN-FIXD | \$/day | 1.2111 |
| Variable | ALVN-24UC | \$/kWh | 0.0802 |
| Capacity | ALVN-CAPY | \$/kVA/day | 0.0356 |

- The fixed charge (code ALVN-FIXD) is a daily charge applied to the number of days you are connected to Vector's network.
- The variable charge (code ALVN-24UC) applies to all electricity distributed to you.
- The capacity charge (code ALVN-CAPY) is a daily charge applied to the capacity of your connection to Vector's network.

Low voltage price plan ALVH

The ALVH price plan is available to low voltage customers. Metering capable of recording half hourly data is required on this price plan.

| Price plan ALVH (exc. GST, and before 10% prompt payment discount) | | | |
|---|-----------|-------------|--------|
| Charge type | Code | Units | Rate |
| Variable, summer day | ALVH-SMDY | \$/kWh | 0.0149 |
| Variable, summer night | ALVH-SMNT | \$/kWh | 0.0023 |
| Variable, winter day | ALVH-WNDY | \$/kWh | 0.0409 |
| Variable, winter night | ALVH-WNNT | \$/kWh | 0.0023 |
| Capacity | ALVH-CAPY | \$/kVA/day | 0.0356 |
| Demand | ALVH-DAMD | \$/kVA/day | 0.2820 |
| Power factor | ALVH-PWRF | \$/kVAr/day | 0.0011 |

- The summer day variable charge (code ALVH-SMDY) applies to electricity distributed to you during the period of time from 07:00 to 22:00 (time periods 15 to 44) during the calendar period between midnight on 30 September and midnight on 30 April the following year.
- The summer night variable charge (code ALVH-SMNT) applies to electricity distributed to you during the period of time from 22:00 to 07:00 (time periods 45 to 14) the following day during the calendar period between midnight on 30 September and midnight on 30 April the following year.
- The winter day variable charge (code ALVH-WNDY) applies to electricity distributed to you during the period of time from 07:00 to 22:00 (time periods 15 to 44) during the calendar period between midnight on 30 April and midnight on 30 September.
- The winter night variable charge (code ALVH-WNNT) applies to electricity distributed to you during the period of time from 22:00 to 07:00 (time periods 45 to 14) the following day during the calendar period between midnight on 30 April and midnight on 30 September.
- The capacity charge (code ALVH-CAPY) is a daily charge applied to the capacity of your connection to Vector's network.
- The demand charge (code ALVH-DAMD) is a daily charge applied to the average of your 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.
- The power factor charge (code ALVH-PWRF) is a daily charge applied where your power factor is less than 0.95 lagging. This charge is applied to the kVAr amount represented by twice the largest

difference between the kVArh amount recorded in any one half-hour period and one third (to two decimal places) of the kWh demand recorded in the same half-hour period during each month with a power factor less than 0.95 lagging. The charge is applicable between 08:00 and 20:00 (time periods 17 to 40) on weekdays including public holidays.

Customer capacity

The capacity used to allocate you to a price plan and for calculating your distribution charges is based on the nearest standard capacity of your connection as determined by Vector subject to the following conditions:

- Vector may require your demand not to exceed the capacity of your connection at any time;
- Changes to the capacity of your connection may be requested by you;
- Any change to your capacity requires the current limiting device (such as 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 you (including removal of stranded assets such as transformers); and
- Changes to your capacity are subject to the agreement of Vector and the availability of spare capacity on Vector's network.

Extent of charges

Our distribution charges published in this schedule relate to the cost of owning, operating and maintaining the network as it currently exists but do not include amongst other things, energy charges for the electricity you use, metering charges, load management equipment located at your connection to the network, the cost of reading meters and the cost of your fittings or appliances.

- In order for us to supply any new or changed distribution service to you including but not limited to; changes to security or service levels, the connection to the network of additional connections and the modification, relocation or removal of current connections, we may apply non-standard charges other than those outlined in this schedule on a case by case basis.
- Our distribution charges recover pass through costs from third parties which account for approximately 30% of the rates listed in this schedule. Pass through costs include transmission (and avoided transmission) charges, council rates and Electricity Authority and Commerce Act levies.

- Our distribution charges do not include ancillary service charges and loss constraint excess payments from the System Operator and Transpower respectively. These charges are passed through by Vector in their entirety with no mark-up directly to your electricity retailer.
- All rates are exclusive of GST and are eligible for a 10% discount if paid to your retailer by the due date.

For further information

Your electricity retailer bills you for our distribution charges on our behalf. This avoids the additional expense of both Vector and your retailer establishing a billing system, and the need for you to make two separate payments. If you would like to discuss how Vector's distribution charges are applied to your bill, please contact your electricity retailer.

Auckland electricity distribution network



Price schedule for transformer customers

Effective 1 April 2012

This document describes Vector's standard electricity distribution charges for transformer customers on the Auckland electricity distribution network. Our charges cover the cost of transmitting electricity across Transpower's national grid and distributing electricity to you across Vector's local distribution network. Vector offers two price plans for transformer customers depending on your metering type.

Transformer customer definitions

You are classified as a transformer customer when you are not a residential customer (as outlined in Vector's residential customer price schedule), have a metered connection greater than 69KVA and your low voltage (400V three phase or 230V single phase) network is supplied directly from transformers owned by Vector.

The network that you are supplied from is determined by Vector from time to time based on the physical location of the connection of your premise or property to our network. The approximate area covered by our Auckland electricity distribution network is shown on the following map.



Selection of price plan

Where more than one price plan is available within the transformer customer type, then you (or your retailer acting on your behalf) may select from the available price plans. In selecting a price plan you must meet the requirements of that price plan as specified in this schedule.

Transformer price plan ATXN

The ATXN price plan is available to transformer customers. Metering capable of recording half hourly data is not required on this price plan.

| Price plan ATXN | | | |
|--|-----------|------------|--------|
| (exc. GST, and before 10% prompt payment discount) | | | |
| Charge type | Code | Units | Rate |
| Fixed | ATXN-FIXD | \$/day | 1.1889 |
| Variable | ATXN-24UC | \$/kWh | 0.0787 |
| Capacity | ATXN-CAPY | \$/kVA/day | 0.0349 |

- The fixed charge (code ATXN-FIXD) is a daily charge applied to the number of days you are connected to Vector's network.
- The variable charge (code ATXN-24UC) applies to all electricity distributed to you.
- The capacity charge (code ATXN-CAPY) is a daily charge applied to the capacity of your connection to Vector's network.

Transformer price plan ATXH

The ATXH price plan is available to transformer customers. Metering capable of recording half hourly data is required on this price plan.

| Price plan ATXH | | | |
|--|-----------|-------------|--------|
| (exc. GST, and before 10% prompt payment discount) | | | |
| Charge type | Code | Units | Rate |
| Variable, summer day | ATXH-SMDY | \$/kWh | 0.0146 |
| Variable, summer night | ATXH-SMNT | \$/kWh | 0.0023 |
| Variable, winter day | ATXH-WNDY | \$/kWh | 0.0401 |
| Variable, winter night | ATXH-WNNT | \$/kWh | 0.0023 |
| Capacity | ATXH-CAPY | \$/kVA/day | 0.0349 |
| Demand | ATXH-DAMD | \$/kVA/day | 0.2763 |
| Power factor | ATXH-PWRF | \$/kVAr/day | 0.0011 |

- The summer day variable charge (code ATXH-SMDY) applies to electricity distributed to you during the period of time from 07:00 to 22:00 (time periods 15 to 44) during the calendar period between midnight on 30 September and midnight on 30 April the following year.
- The summer night variable charge (code ATXH-SMNT) applies to electricity distributed to you

during the period of time from 22:00 to 07:00 (time periods 45 to 14) the following day during the calendar period between midnight on 30 September and midnight on 30 April the following year.

- The winter day variable charge (code ATXH-WNDY) applies to electricity distributed to you during the period of time from 07:00 to 22:00 (time periods 15 to 44) during the calendar period between midnight on 30 April and midnight on 30 September.
- The winter night variable charge (code ATXH-WNNT) applies to electricity distributed to you during the period of time from 22:00 to 07:00 (time periods 45 to 14) the following day during the calendar period between midnight on 30 April and midnight on 30 September.
- The capacity charge (code ATXH-CAPY) is a daily charge applied to the capacity of your connection to Vector's network.
- The demand charge (code ATXH-DAMD) is a daily charge applied to the average of your 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.
- The power factor charge (code ATXH-PWRF) is a daily charge applied where your power factor is less than 0.95 lagging. This charge is applied to the kVAh amount represented by twice the largest difference between the kVAh amount recorded in any one half-hour period and one third (to two decimal places) of the kWh demand recorded in the same half-hour period during each month with a power factor less than 0.95 lagging. The charge is applicable between 08:00 and 20:00 (time periods 17 to 40) on weekdays including public holidays.

Customer capacity

The capacity used to allocate you to a price plan and for calculating your distribution charges is based on the nearest standard capacity of your connection as determined by Vector subject to the following conditions:

- Vector may require your demand not to exceed the capacity of your connection at any time;
- Changes to the capacity of your connection may be requested by you;
- Any change to your capacity requires the current limiting device (such as 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 you (including removal of stranded assets such as transformers); and
- Changes to your capacity are subject to the agreement of Vector and the availability of spare capacity on Vector's network.

Extent of charges

Our distribution charges published in this schedule relate to the cost of owning, operating and maintaining the network as it currently exists but do not include amongst other things, energy charges for the electricity you use, metering charges, load management equipment located at your connection to the network, the cost of reading meters and the cost of your fittings or appliances.

- In order for us to supply any new or changed distribution service to you including but not limited to; changes to security or service levels, the connection to the network of additional connections and the modification, relocation or removal of current connections, we may apply non-standard charges other than those outlined in this schedule on a case by case basis.
- Our distribution charges recover pass through costs from third parties which account for approximately 30% of the rates listed in this schedule. Pass through costs include transmission (and avoided transmission) charges, council rates and Electricity Authority and Commerce Act levies.
- Our distribution charges do not include ancillary service charges and loss constraint excess payments from the System Operator and Transpower respectively. These charges are passed through by Vector in their entirety with no mark-up directly to your electricity retailer.
- All rates are exclusive of GST and are eligible for a 10% discount if paid to your retailer by the due date.

For further information

Your electricity retailer bills you for our distribution charges on our behalf. This avoids the additional expense of both Vector and your retailer establishing a billing system, and the need for you to make two separate payments. If you would like to discuss how Vector's distribution charges are applied to your bill, please contact your electricity retailer.

Auckland electricity distribution network



Price schedule for high voltage customers

Effective 1 April 2012

This document describes Vector's standard electricity distribution charges for high voltage customers on the Auckland electricity distribution network. Our charges cover the cost of transmitting electricity across Transpower's national grid and distributing electricity to you across Vector's local distribution network. Vector offers two price plans for high voltage customers depending on your metering type.

High voltage customer definitions

You are classified as a high voltage customer when you are not a residential customer (as outlined in Vector's residential customer price schedule) and you have a metered connection greater than 69kVA supplied directly from Vector's high voltage (6.6kV or higher) network.

The network that you are supplied from is determined by Vector from time to time based on the physical location of the connection of your premise or property to our network. The approximate area covered by our Auckland electricity network is shown on the following map.



Selection of price plan

Where more than one price plan is available within the high voltage customer type, then you (or your retailer acting on your behalf) may select from the available price plans. In selecting a price plan you must meet the requirements of that price plan as specified in this schedule.

High voltage price plan AHVN

The AHVN price plan is available to high voltage customers. Metering capable of recording half hourly data is not required on this price plan.

| Price plan AHVN | | | |
|--|-----------|------------|--------|
| (exc. GST, and before 10% prompt payment discount) | | | |
| Charge type | Code | Units | Rate |
| Fixed | AHVN-FIXD | \$/day | 1.1667 |
| Variable | AHVN-24UC | \$/kWh | 0.0771 |
| Capacity | AHVN-CAPY | \$/kVA/day | 0.0342 |

- The fixed charge (code AHVN-FIXD) is a daily charge applied to the number of days you are connected to Vector's network.
- The variable charge (code AHVN-24UC) applies to all electricity distributed to you.
- The capacity charge (code AHVN-CAPY) is a daily charge applied to the nominated capacity of your connection to Vector's network.

High voltage price plan AHVH

The AHVH price plan is available to high voltage customers. Metering capable of recording half hourly data is required on this price plan.

| Price plan AHVH | | | |
|--|-----------|-------------|--------|
| (exc. GST, and before 10% prompt payment discount) | | | |
| Charge type | Code | Units | Rate |
| Variable, summer day | AHVH-SMDY | \$/kWh | 0.0142 |
| Variable, summer night | AHVH-SMNT | \$/kWh | 0.0023 |
| Variable, winter day | AHVH-WNDY | \$/kWh | 0.0393 |
| Variable, winter night | AHVH-WNNT | \$/kWh | 0.0023 |
| Capacity | AHVH-CAPY | \$/kVA/day | 0.0342 |
| Demand | AHVH-DAMD | \$/kVA/day | 0.2708 |
| Excess demand | AHVH-DEXA | \$/kVA/day | 0.6499 |
| Power factor | AHVH-PWRF | \$/KVar/day | 0.0011 |

- The summer day variable charge (code AHVH-SMDY) applies to electricity distributed to you during the period of time from 07:00 to 22:00 (time periods 15 to 44) during the calendar period between midnight on 30 September and midnight on 30 April the following year.

- The summer night variable charge (code AHVH-SMNT) applies to electricity distributed to you during the period of time from 22:00 to 07:00 (time periods 45 to 14) the following day during the calendar period between midnight on 30 September and midnight on 30 April the following year.
- The winter day variable charge (code AHVH-WNDY) applies to electricity distributed to you during the period of time from 07:00 to 22:00 (time periods 15 to 44) during the calendar period between midnight on 30 April and midnight on 30 September.
- The winter night variable charge (code AHVH-WNNT) applies to electricity distributed to you during the period of time from 22:00 to 07:00 (time periods 45 to 14) the following day during the calendar period between midnight on 30 April and midnight on 30 September.
- The capacity charge (code AHVH-CAPY) is a daily charge applied to the nominated capacity of your connection to Vector's network.
- The demand charge (code AHVH-DAMD) is a daily charge applied to the average of your 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.
- The excess demand charge (code AHVH-DEXA) is a daily charge applied to the difference between your anytime maximum kVA demand (twice the maximum kVAh half hourly reading) and your nominated capacity in any one month, where your anytime maximum demand is greater than your nominated capacity.
- The power factor charge (code AHVH-PWRF) is a daily charge applied where your power factor is less than 0.95 lagging. This charge is applied to the kVAh amount represented by twice the largest difference between the kVAh amount recorded in any one half-hour period and one third (to two decimal places) of the kWh demand recorded in the same half-hour period during each month with a power factor less than 0.95 lagging. The charge is applicable between 08:00 and 20:00 (time periods 17 to 40) on weekdays including public holidays.

Customer capacity

For high voltage customers, the capacity used for calculating your distribution charges cannot always be determined based on physical capacity limiting devices. For this reason Vector has a process for high voltage

customers to nominate the capacity of their connection subject to the following conditions:

- Vector may require your demand not to exceed the nominated capacity of your connection at any time;
- Changes to your nominated capacity may be requested by you;
- The nominated capacity may only be changed once in each 12 month period ending on 31 March each year;
- Nominated capacities must reasonably estimate your capacity requirement;
- Changes to your nominated capacity are subject to the agreement of Vector and the availability of spare capacity on Vector's network;
- Vector may pass some, or all of the costs associated with the change in nominated capacity on to you;
- Vector does not guarantee the availability of increased nominated capacity at any time; and
- The application of excess demand charges does not imply or guarantee the availability of increased nominated capacity above your existing nominated capacity.

Extent of charges

Our distribution charges published in this schedule relate to the cost of owning, operating and maintaining the network as it currently exists but do not include amongst other things, energy charges for the electricity you use, metering charges, load management equipment located at your connection to the network, the cost of reading meters and the cost of your fittings or appliances.

- In order for us to supply any new or changed distribution service to you including but not limited to; changes to security or service levels, the connection to the network of additional connections and the modification, relocation or removal of current connections, we may apply non-standard charges other than those outlined in this schedule on a case by case basis.
- Our distribution charges recover pass through costs from third parties which account for approximately 30% of the rates listed in this schedule. Pass through costs include transmission (and avoided transmission) charges, council rates and Electricity Authority and Commerce Act levies.
- Our distribution charges do not include ancillary service charges and loss constraint excess payments from the System Operator and Transpower respectively. These charges are

passed through by Vector in their entirety with no mark-up directly to your electricity retailer.

- All rates are exclusive of GST and are eligible for a 10% discount if paid to your retailer by the due date.

For further information

Your electricity retailer bills you for our distribution charges on our behalf. This avoids the additional expense of both Vector and your retailer establishing a billing system, and the need for you to make two separate payments. If you would like to discuss how Vector's distribution charges are applied to your bill, please contact your electricity retailer.

High voltage nominated capacity request form

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

Business name: _____

Contact person: _____

Connection address: _____

Postal address (if different from connection address): _____

Email address: _____ Fax number: _____

Phone number: _____ ICP number: _____

Installed capacity (kVA): _____

Nominated capacity request (kVA): _____

Energy retailer (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 _____