



Electricity Network pricing schedule

Module 15

Effective 1 April 2019, for Electricity Network line charges

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1. ELECTRICITY NETWORK LINES CHARGE PRICING

Wellington Electricity's (WELL) standard Network Lines Charges are designed to recover the cost of the infrastructure and services employed to enable delivery of retailer's electricity over WELL's electricity network to consumer's homes and businesses to a standard and quality set by regulation.

The network lines charges applicable to the WELL network are included in Appendix 1. These prices are set in accordance with the Customised Price-Quality Path Determination 2018 (CPP) for Wellington Electricity determined by the Commerce Commission.

1.1 General terms

- (a) For full details of the conditions of connection to and use of WELL's network, please refer to the "Use of Network Agreement".
- (b) Times stated in this module are New Zealand Daylight Time unless otherwise specified.

1.1.1 Extent of charges

All charges exclude:

- (a) The provision of Metering Equipment or Load Management equipment which is located at the Point of Connection to the Electricity Network;
- (b) The cost of the End-Consumer Fittings; and
- (c) Goods and Services Tax (GST).

1.1.2 Transmission costs

Transpower, the National Grid owner/operator, charges its costs for its high voltage transmission system to distribution companies like WELL.

- (a) All charges exclude loss constraint excess payments (loss rental rebates) and ancillary service charges. WELL will distribute (or invoice as the case may be) these amounts to Retailers. The amounts will be distributed or charged to Retailers in proportion to their share of the kWh volumes reconciled each month across the Network. WELL will charge a monthly administration fee for this function. The administration fee will be allocated to Retailers in proportion to their share of the kWh volumes reconciled each month across the Network.
- (b) Transmission costs are passed onto End-Consumers through WELL's Network Lines Charges.

Transmission costs also come in the form of Avoided Cost of Transmission (ACOT) payments which WELL makes to distributed generators with an injection capacity of 200kVA or greater on WELL's network, in circumstances where payments to Transpower have been avoided or reduced. WELL passes these charges on to consumers at cost.

1.1.3 Pass through and other Recoverable costs

These costs are made up of council rates, regulatory levies and other recoverable costs:

1.1.3.1 Council rates

Local Council rates levied on Wellington Electricity are included in our prices to End-Consumers and are passed through at cost.

1.1.3.2 Regulatory Levies

Levies from the Commerce Commission, Electricity Authority and Utilities Disputes Ltd are included in our prices to End-Consumers and are passed through at cost.

1.1.3.3 Other Recoverable costs

Other recoverable costs include items such as wash-ups and incentives which are allowed to be recovered or passed back through prices under the CPP.

1.1.4 Specifying the Electricity Distribution Network

The location of the Electricity Distribution Network that End-Consumers are supplied from is determined by the relevant Transmission Grid Exit Point (GXP) which connects to the section of the distribution network.

“Grid Exit Point” means the point on the electricity transmission system at which the distribution network is connected.

The GXPs are shown in the table below:

| Wellington Electricity Network | GXP Location |
|--------------------------------|---------------|
| | Haywards |
| | Melling |
| | Gracefield |
| | Upper Hutt |
| | Takapu Rd |
| | Pauatahanui |
| | Wilton |
| | Central Park |
| | Kaiwharawhara |

1.1.5 Description of consumption category options

Various pricing options are available for different meter configurations. The following options are used within the pricing schedules:

| Consumption category | Consumption code | Details |
|---|------------------|---|
| 24 hr uncontrolled | 24UC | An uncontrolled supply is a metered supply that provides uninterrupted energy. |
| All inclusive controlled | AICO | This is a metered supply that allows WELL to control energy to permanently wired appliances, such as hot water cylinders, as well as providing an uninterrupted supply to all other electrical appliances. The control of associated appliances can occur at any time for a maximum of five hours in any 24 hour period. Refer to section 1.1.6 for eligibility for controlled prices. |
| Controlled | CTRL | <p>This is a separately metered supply that allows WELL to control energy to permanently wired appliances, such as hot water cylinders. All load on this meter supply can be controlled by WELL. The supply can be controlled at any time for a maximum of five hours in any 24 hour period. This supply is <u>only available to load permanently wired to a separate meter</u>. Refer to section 1.1.6 for eligibility for controlled prices.</p> <p>Where a household has a controlled supply, they would also have an uncontrolled supply for the household load that is not separately metered through the controlled circuit. This uncontrolled supply should be reported to WELL using the '24UC' consumption code.</p> |
| Night boost | NITE | This is a separately metered supply to permanently wired appliances, such as night store heaters, which are switched on and off at specific times. This controlled option will be switched on during the night period (11pm to 7am) and for a minimum "boost period" during the day of two hours generally between 1pm and 3pm. <u>This supply is only available to load permanently wired to a separate meter</u> . Refer to section 1.1.6 for eligibility for controlled prices. |
| Electric vehicle and battery storage Peak | PEAK | This option is only available for owners of private electric vehicles with a battery capacity of 12kWh and above and/or household battery systems of 4kWh capacity and above. This option is for the total household supply, (except for consumers who also have 'CTRL'), between the hours of 7am to 11am and 5pm to 9pm on weekdays (including public holidays). Refer to section 1.1.7 for further information on eligibility. |

| | | |
|---|---------|--|
| Electric vehicle and battery storage off-peak | OFFPEAK | This option is only available for owners of private electric vehicles with a battery capacity of 12kWh and above and/or household battery systems of 4kWh capacity and above. This option is for the total household supply, (except for consumers who also have 'CTRL'), between the hours of 11am to 5pm and 9pm to 7am (including weekends). Refer to section 1.1.7 for further information on eligibility. |
|---|---------|--|

1.1.6 Eligibility for controlled prices

Eligibility for either the 'AICO' or 'CTRL' charge is conditional on a hot water cylinder with a capacity in excess of 50 litres being permanently wired into WELL's load management system. The hot water cylinder may be substituted with appliances of a similar rating and load profile such as air conditioning units, swimming or spa pool heaters, electric kilns or storage heating at WELL's discretion.

Eligibility for the 'NITE' charge is conditional on a night store heater being permanently wired into a load control relay operated by WELL's load management system. The night store heater may be substituted with similar appliances at WELL's discretion, noting that the supply of electricity for this night boost supply is only available between 11pm and 7am, plus a minimum "boost period" of two hours generally between 1pm and 3pm.

The Electric Vehicle and Battery Storage (EVB) price plans are eligible for the 'CTRL' charge, provided they meet the requirements listed above and in section 1.1.5 of a separately metered supply that allows WELL to control energy to permanently wired appliances, such as hot water cylinders, where all load on this meter supply can be controlled by WELL. The EVB price plans are not eligible for 'AICO' or 'NITE' charges.

1.1.7 Eligibility for electric vehicle and battery storage prices

Only private owners of Electric Vehicles (EV) with a battery capacity of 12kWh and above and/or household battery systems of 4kWh capacity and above, who also have a smart meter, are eligible for the EV and battery price plans (RLUEVB and RSUEVB). For electric vehicle eligibility, only private PHEV and private registered EVs qualify for this plan. Scooters or bikes do not qualify. The EVB plans are optional plans for qualifying residential consumers.

The EVB plans are also available to customers who have separately metered hot water control (i.e. where WELL is receiving consumption under the 'CTRL' price code). The peak and off-peak price applies for the entire household load except where a customer also has 'CTRL' load – see section 1.1.6.

WELL would expect to receive consumption for customers on the EVB plan in the same format as that received for customers on the RLU/RSU plans (i.e. EIEP 1 file format).

Consumption would be received as follows:

| Status | Category | Code |
|--|---------------|----------------------------------|
| Required | Daily fixed | RLUEVB-FIXD or RSUEVB-FIXD |
| Required | PEAK (kWh) | RLUEVB-PEAK or RSUEVB-PEAK |
| Required | OFFPEAK (kWh) | RLUEVB-OFFPEAK or RSUEVB-OFFPEAK |
| Optional (meter configuration dependent) | CTRL (kWh) | RLUEVB-CTRL or RSUEVB-CTRL |

1.1.8 Time periods

The time periods used in the pricing schedules are defined in the following table.

| Period | Measurement period |
|--|--|
| Night boost | 11:00pm to 7:00am and 1:00pm to 3:00pm (two hour boost period) |
| Peak (including public holidays) | 7:00am to 11:00am and 5:00pm to 9:00pm |
| Off-peak (including weekends) | 11:00am to 5:00pm and 9:00pm to 7:00am Weekends all times |
| On-peak demand (Weekdays including public holidays) ¹ | 7:30am-9:30am 5:30pm-7:30pm |

1.1.9 Selection of Load Group

- (a) The Load Group for Residential End-Consumers may be requested by the Retailer in accordance with the requirements of this pricing module for the various consumption options. The consumption options are explained further in section 1.1.5.
- (b) The Load Group for all other Points of Connection will be set by WELL based on the criteria set out in this pricing module.
- (c) Where an End-Consumer requests a new, or an upgrade to, their Point Of Connection that requires or brings forward capital expenditure, Wellington Electricity may apply non-standard charges other than those outlined in Appendix 1. Refer to Wellington Electricity's Customer Contributions Policy at

¹ Applies to General transformer connection price category GTX-1501 only

<http://www.welectricity.co.nz/disclosures/customer-contributions/> for this pricing information.

2. RESIDENTIAL ELECTRICITY PRICING

This section applies to all Residential End-Consumers in a private dwelling not normally used for any business activity.

2.1 Residential price categories

There are four residential price category options, being:

- Residential Low User (RLU)
- Residential Standard User (RSU)
- Residential Low User Electric Vehicle and Battery Storage (RLUEVB)
- Residential Standard User Electric Vehicle and Battery Storage (RSUEVB)

A Low User is a residential consumer who consumes 8,000 kWh or less per year at their primary place of residence and who is on a low user residential retailer price option. A Standard User is a residential consumer who consumes more than 8,000 kWh per year and who is on a standard user residential retailer price option.

Residential consumers who consume more than 8,000kWhs per year must be on a standard user residential price plan (RSU or RSUEVB).

If WELL believes that the Low User Price Category has been incorrectly allocated to an End-Consumer's ICP (that is, the End-Consumer does not meet the criteria for the Low User Price Categories) it may reassign the End-Consumer to the appropriate Standard User price category and retrospectively apply billing adjustments. The same applies in the case of End-Consumers on the Standard User price categories reassigned to the Low User Price Category.

Consumption submitted on a consumption code that is not appropriate for the Consumer group will be charged at a default rate equivalent to the highest variable charge applicable for that Consumer group.

Different fixed and variable charges apply to each residential price category. Electricity (Low Fixed Charge Tariff Option for Domestic Consumers) Regulation 2004 mandates a low fixed daily charge of 15 cents per day for Low Users. Standard Users however have a higher fixed daily charge of \$1.10 per day and lower variable charges.

3. GENERAL LOW VOLTAGE AND GENERAL TRANSFORMER CONNECTIONS (NON RESIDENTIAL)

3.1 Consumer group definitions

Non-residential pricing is divided into two types of connections, low voltage connections and transformer connections.

- (a) A **low voltage connection** is where a consumer receives supply from WELL's low voltage network via a transformer shared with other consumers.
- (b) A **transformer connection** is where the consumer receives a supply from transformers owned by WELL that are dedicated to supply a single consumer.

The structure of the charges for Non-residential Consumers with a **low voltage connection** is shown below;

| Capacity | Code |
|-----------------------|---------|
| <=15kVA | GLV15 |
| >15kVA and <=69kVA | GLV69 |
| >69kVA and <=138kVA | GLV138 |
| >138kVA and <=300kVA | GLV300 |
| >300kVA and <=1500kVA | GLV1500 |

Capacity is determined by maximum demand or fuse size.

The structure of the charges for Non-residential Consumers with a **transformer connection** is shown below;

| Capacity | Code |
|-----------------------|---------|
| <=15kVA | GTX15 |
| >15kVA and <=69kVA | GTX69 |
| >69kVA and <=138kVA | GTX138 |
| >138kVA and <=300kVA | GTX300 |
| >300kVA and <=1500kVA | GTX1500 |
| >1500kVA | GTX1501 |

Capacity is determined by the dedicated transformer size.

3.2 Variable charges

For all connections 24 hr uncontrolled (24UC) variable charges apply.

3.3 Fixed charges

Different fixed charges apply to each Consumer group.

3.4 Capacity charges

- (a) Different capacity charges apply to each consumer group where these charges are applicable.
- (b) The capacity charge is based on the capacity dedicated by Wellington Electricity to supplying the consumer's premises. Where the available capacity exceeds the requirement of the consumer, Wellington Electricity may reduce the capacity rating to an assessed rating, and may install a fuse or current limiting device limiting the available capacity to the assessed rating.

- (c) Wellington Electricity may reduce the available capacity of the dedicated transformers to the size of the assessed rating, on giving one month's notice in writing of its intentions to the retailer.

3.5 Demand charges

Demand charges apply as follows:

- (a) General low voltage connection and general transformer connection consumers with a capacity less than or equal to 300kVA do not currently have a demand charge.
- (b) For general low voltage connection and general transformer connection consumers with a capacity greater than 300kVA but less than or equal to 1500kVA, demand (DAMD) is defined as the maximum demand during the month, where the kVA demand is twice the maximum kVAh half hourly reading during the month to which the charges apply.
- (c) For general transformer connection consumers with a capacity greater than 1500kVA, demand (DOPC) is defined as the maximum demand during on-peak periods, where the kW demand is twice the maximum kWh half hourly reading within the on-peak periods. The on-peak periods are defined as 7:30am to 9:30am and 5:30pm to 7:30pm on weekdays (including public holidays).

3.6 Power factor charges

All charges assume a power factor of not less than 0.95 lagging. A reactive charge for poor power factor is applicable separately. A power factor charge (per Appendix 1) will be applied where the consumer's power factor is less than 0.95 lagging.

- (a) The kVAh amount represents twice the largest difference between the kVAh amount recorded in any one half hour period and one third (correct to two decimal places) of the kWh demand recorded in the same half hour period. The charge is applicable only during weekdays, between 7am and 8pm.
- (b) The power factor charge will only be applicable for consumers with TOU metering whose charges do not incorporate a component that is based on kVA demand.

4. UN-METERED ELECTRICITY LINE CHARGES

This section applies to un-metered connection less than 1kVA, however connections greater than 1kVA may be classified under un-metered at WELL’s discretion. WELL has a fixed charge for streetlights with no charge for energy usage, however WELL still requires the energy usage data for energy reconciliation purposes. Non-streetlighting connections have both a fixed and a variable charge.

4.1 Consumer group definitions

The structure of the charges for un-metered Consumers is shown below:

| Type | Wellington |
|--------------------|------------|
| Non-streetlighting | G001 |
| Streetlighting | G002 |

The non-streetlighting consumer group is applicable to un-metered connections less than 1kVA other than street lighting. The street lighting consumer group is applicable to un-metered connections less than 1kVA that are for streetlighting.

4.1.1 Fixed charges

Fixed charges for streetlight and non-streetlight un-metered Consumers will be charged on a fitting per day basis.

4.1.2 Variable charges

For all non-streetlight un-metered supplies 24 hr uncontrolled ('24UC') variable charges apply. Streetlight connections have a zero variable charge but volume data is still required to be disclosed.

5. SMALL SCALE DISTRIBUTED GENERATION (SSDG) CHARGES

The current rate for SSDG charges is zero dollars per kWh. This charge applies to injection of energy into WELL’s network and is applicable to connections equal to or less than 10kW. In the future injection volume may incur charges. SSDG could be in the form of photovoltaics (solar panels) or any other device which injects energy into the network.

6. DETERMINING CONSUMPTION

- (a) For un-metered supply other than streetlights, consumption will be determined on a case-by-case basis based on load profile and input wattages. A minimum load factor of 10% will be applied to the input wattage.
- (b) For un-metered streetlights, consumption will be determined by multiplying the input wattage of each fitting in Wellington Electricity’s database with the number of night hours as given in the table below:

| Month | Number of night hours |
|-----------|-----------------------|
| January | 287 |
| February | 286 |
| March | 358 |
| April | 389 |
| May | 439 |
| June | 442 |
| July | 451 |
| August | 417 |
| September | 365 |
| October | 339 |
| November | 285 |
| December | 275 |

6.1 Embedded generation

The line charge will be calculated in accordance with the prevailing pricing policy. The line charge will be dependent upon location, the type of connection, the size of the generator and operating pattern.

6.2 Provision of consumption information

- (a) The Retailer will provide Wellington Electricity with consumption data for each ICP and for each consumption category.
- (b) Consumption data will be associated with a specific consumption category as per the table under section 1.1.5 and will be submitted using the code as published in the code column of the Wellington Electricity Network Line Charge Schedule in Appendix 1.
- (c) Where more than one meter at an ICP is in use, but a single variable line charge applies, the consumption data will need to be aggregated before forwarding to Wellington Electricity.
- (d) For some ICP’s it is possible to have multiple consumption categories (such as controlled and uncontrolled or peak and off-peak). Such an ICP will have multiple consumption codes.

- (e) Where a time of use meter is fitted, there will only be one consumption code. Where there is no variable charge the consumption code will still need to be included with the half hourly volume, and in such cases the billing process will not calculate any variable charge.
- (f) WELL requires EIEP3 data files from retailers for the GLV1500, GTX1500 and GTX1501 consumer groups.
- (g) In the case of streetlights where there is no variable charge, the consumption code will still need to be included with the volume, and in such cases the billing process will not calculate any variable charge.

6.2.1 Calculation of scaled and variable charges

The electricity scalable volume calculation was discontinued on 30 September 2018. The decision to discontinue scaling was consulted on and agreed with retailers. The scaling process allowed Wellington Electricity to scale retailer volumes up or down to match the Energy injected into the Network.

Due to the significant proportion of mass-market meter installations in Wellington and therefore more accurate metering data, Wellington Electricity no longer has a requirement to make variable charge adjustments to factor up or down the electricity scalable volume consumption figures.

6.3 Electricity network loss factors

Losses and Loss Factors may be reviewed and may be amended by Wellington Electricity from time to time, on reasonable notice to the Retailer, to ensure that they reflect losses on the Network as accurately as possible.

6.3.1 Loss Factors

- (a) For the purpose of calculating Network line charges, unless otherwise specified, the Loss Factors detailed in this section do not need to be applied to the measured or calculated Energy conveyed to Points of Connection.
- (b) Loss Factors will be applied to the metered Energy consumption measured at the Point of Connection for reconciliation/allocation purposes. The line charge will be applied to the metered Energy consumption (subject to further adjustment to the aggregated volume through scaling).

6.3.2 Electricity Network Loss Factors

| Distribution Losses by metering voltage, transformer connection and Load | | | |
|---|-----------------------------------|---|--|
| Loss Factor code | Consumers metering voltage | Distribution Loss ratios with respect to the injection point meter | Distribution Loss Factors with respect to the ICP meter |
| VECG1 | LV | 5.01% | 1.0527 |
| VECG2 | LV | 2.72% | 1.0280 |
| VECG3 | LV | 2.72% | 1.0280 |
| VECG4 | HV | 1.42% | 1.0144 |

6.3.3 Loss Factor look up codes

The following table summarise the Loss Factor codes detailed in the Network Loss table above.

6.3.3.1 Wellington Loss Factor look up codes

| Wellington Network distribution Losses by Consumer group | | |
|---|--------------------------------------|--------------------------------------|
| Consumer group | Loss factor code (LV metered) | Loss Factor code (HV metered) |
| Un-metered | | |
| G001 | VECG1 | - |
| G002 | VECG1 | - |
| Residential | | |
| RLU | VECG1 | - |
| RSU | VECG1 | - |
| Residential Electric Vehicle and Battery Storage | | |
| RLUEVB | VECG1 | - |
| RSUEVB | VECG1 | - |
| General Low Voltage | | |
| GLV15 | VECG1 | - |
| GLV69 | VECG1 | - |
| GLV138 | VECG1 | - |
| GLV300 | VECG1 | - |
| GLV1500 | VECG3 | VECG4 |
| General Transformer | | |
| GTX15 | VECG2 | VECG4 |
| GTX69 | VECG2 | VECG4 |
| GTX138 | VECG2 | VECG4 |
| GTX300 | VECG2 | VECG4 |
| GTX1500 | VECG3 | VECG4 |
| GTX1501 | VECG3 | VECG4 |

6.4 Other charges - electricity

Unless stated otherwise, all charges will be invoiced directly to the retailer by Wellington Electricity and not to the consumer.

All non-network fault work, retailer or consumer services not listed below will be charged to the retailer on a time and materials basis at market rates.

| Description | Unit | Charge Effective 1 April 2019 |
|--|-------------------|-------------------------------|
| New connection fee – single phase connection | per connection | \$167 |
| New connection fee – two or three phase connection | per connection | \$416 |
| Site visit fee | per site visit | \$167 |
| Permanent disconnection fee | per disconnection | \$312 |
| General Administration fee - to cover costs such as late, incorrect or incomplete consumption data, administering Embedded Networks, etc | per hour | \$127 |

Description of Charges

New connection fee – single phase connection

This fee is payable when Wellington Electricity energises a new single phase Point of Connection for the first time, by inserting the icp fuse. Any additional site visits required by Wellington Electricity with regard to a new connection will incur a site visit fee. For example, where a site is not ready, insufficient or incorrect information is provided and where the physical status of a new connection needs to be inspected by Wellington Electricity.

New connection fee – two or three phase connection

This fee is payable when Wellington Electricity energises a new two or three phase point of connection for the first time, by inserting the icp fuse. Any additional site visits required by Wellington Electricity with regard to a new connection will incur a site visit fee. For example, where a site is not ready, insufficient or incorrect information is provided and where the physical status of a new connection needs to be inspected by Wellington Electricity.

Site visit fee

Payable for any site visit by Wellington Electricity, including non-network call out, temporary disconnection, temporary energisation, urgent after hours disconnection and reconnection, permanent disconnection and change of capacity (where the capacity change can be completed by changing fuse size within the existing fuse holder. Work in excess of this will be charged directly to the consumer on a time and materials basis at market rates).

Permanent disconnection fee

Payable for permanent disconnections carried out by Wellington Electricity. Any additional site visits required by Wellington Electricity with regard to a permanent disconnection, for example where a site is not ready, will incur a site visit fee. Work in excess of standard network disconnection will be charged directly to the retailer on a time and materials basis at market rates.

General administration fee (previously called "Late, incorrect or incomplete consumption fee data")

This fee is payable where consumption data required under the Use of Network Agreement between WELL and retailers is provided late, or is incorrect or is incomplete. It will be charged on the basis of the actual time spent by a WELL employee to review, correct, validate and reconcile the information. The fee can also be charged for administering embedded networks.

APPENDIX 1: ELECTRICITY LINE CHARGE SCHEDULE

| | | | | effective 1 April 2019 | | |
|---|--|----------------|---|------------------------|--|----------------|
| Code | Description | Units | Estimated number of consumers as at 31 January 2019 | Distribution price | Transmission and pass through Price ⁶ | Delivery Price |
| Residential | | | | | | |
| RLU-FXD | Low user daily | \$/con/day | 91,840 | 0.0900 | 0.0600 | 0.1500 |
| RLU-24UC | Low user uncontrolled | \$/kWh | | 0.0730 | 0.0404 | 0.1134 |
| RLU-AICO | Low user all inclusive | \$/kWh | | 0.0586 | 0.0324 | 0.0910 |
| RLU-CTRL | Low user controlled | \$/kWh | | 0.0352 | 0.0195 | 0.0547 |
| RLU-NITE | Low user night boost | \$/kWh | | 0.0119 | 0.0066 | 0.0185 |
| RSU-FXD | Standard user daily | \$/con/day | 58,799 | 0.6600 | 0.4400 | 1.1000 |
| RSU-24UC | Standard user uncontrolled | \$/kWh | | 0.0457 | 0.0254 | 0.0711 |
| RSU-AICO | Standard user all inclusive | \$/kWh | | 0.0315 | 0.0174 | 0.0489 |
| RSU-CTRL | Standard user controlled | \$/kWh | | 0.0140 | 0.0077 | 0.0217 |
| RSU-NITE | Standard user night boost | \$/kWh | | 0.0109 | 0.0060 | 0.0169 |
| Residential electric vehicle and battery storage | | | | | | |
| RLUEVB-FXD | Residential EV & battery storage low user daily | \$/con/day | 37 | 0.0900 | 0.0600 | 0.1500 |
| RLUEVB-PEAK | Residential EV & battery storage low user peak ¹ | \$/kWh | | 0.0846 | 0.0656 | 0.1502 |
| RLUEVB-OFFPEAK | Residential EV & battery storage low user off-peak ² | \$/kWh | | 0.0376 | 0.0292 | 0.0668 |
| RLUEVB-CTRL | Residential EV & battery storage low user controlled | \$/kWh | | 0.0352 | 0.0195 | 0.0547 |
| RSUEVB-FXD | Residential EV & battery storage standard user daily | \$/con/day | 50 | 0.6600 | 0.4400 | 1.1000 |
| RSUEVB-PEAK | Residential EV & battery storage standard user peak ¹ | \$/kWh | | 0.0608 | 0.0471 | 0.1079 |
| RSUEVB-OFFPEAK | Residential EV & battery storage standard user off-peak ² | \$/kWh | | 0.0138 | 0.0106 | 0.0244 |
| RSUEVB-CTRL | Residential EV & battery storage standard user controlled | \$/kWh | | 0.0140 | 0.0077 | 0.0217 |
| General low voltage connection | | | | | | |
| GLV15-FXD | General low voltage <=15kVA daily | \$/con/day | 5,107 | 0.3948 | 0.2191 | 0.6139 |
| GLV15-24UC | General low voltage <=15kVA uncontrolled | \$/kWh | | 0.0357 | 0.0198 | 0.0555 |
| GLV69-FXD | General low voltage >15kVA and <=69kVA daily | \$/con/day | 9,909 | 0.9766 | 0.5419 | 1.5185 |
| GLV69-24UC | General low voltage >15kVA and <=69kVA uncontrolled | \$/kWh | | 0.0247 | 0.0137 | 0.0384 |
| GLV138-FXD | General low voltage >69kVA and <=138kVA daily | \$/con/day | 396 | 5.5338 | 3.0707 | 8.6045 |
| GLV138-24UC | General low voltage >69kVA and <=138kVA uncontrolled | \$/kWh | | 0.0293 | 0.0163 | 0.0456 |
| GLV300-FXD | General low voltage >138kVA and <=300kVA daily | \$/con/day | 339 | 7.8828 | 4.3742 | 12.2570 |
| GLV300-24UC | General low voltage >138kVA and <=300kVA uncontrolled | \$/kWh | | 0.0121 | 0.0068 | 0.0189 |
| GLV1500-FXD | General low voltage >300kVA and <=1500kVA daily | \$/con/day | 212 | 19.8773 | 11.0299 | 30.9072 |
| GLV1500-24UC | General low voltage >300kVA and <=1500kVA uncontrolled | \$/kWh | | 0.0054 | 0.0030 | 0.0084 |
| GLV1500-DAMD | General low voltage >300kVA and <=1500kVA demand | \$/kVA/month | | 4.8214 | 2.6754 | 7.4968 |
| General transformer connection | | | | | | |
| GTX15-FXD | General transformer <=15kVA daily | \$/con/day | 2 | 0.3584 | 0.1990 | 0.5574 |
| GTX15-24UC | General transformer <=15kVA uncontrolled | \$/kWh | | 0.0332 | 0.0185 | 0.0517 |
| GTX69-FXD | General transformer >15kVA and <=69kVA daily | \$/con/day | 19 | 0.8863 | 0.4917 | 1.3780 |
| GTX69-24UC | General transformer >15kVA and <=69kVA uncontrolled | \$/kWh | | 0.0233 | 0.0129 | 0.0362 |
| GTX138-FXD | General transformer >69kVA and <=138kVA daily | \$/con/day | 17 | 5.0213 | 2.7863 | 7.8076 |
| GTX138-24UC | General transformer >69kVA and <=138kVA uncontrolled | \$/kWh | | 0.0274 | 0.0152 | 0.0426 |
| GTX300-FXD | General transformer >138kVA and <=300kVA daily | \$/con/day | 93 | 7.1528 | 3.9691 | 11.1219 |
| GTX300-24UC | General transformer >138kVA and <=300kVA uncontrolled | \$/kWh | | 0.0113 | 0.0063 | 0.0176 |
| GTX1500-FXD | General transformer >300kVA and <=1500kVA daily | \$/con/day | 192 | 15.4332 | 8.5639 | 23.9971 |
| GTX1500-24UC | General transformer >300kVA and <=1500kVA uncontrolled | \$/kWh | | 0.0044 | 0.0024 | 0.0068 |
| GTX1500-CAPY | General transformer >300kVA and <=1500kVA capacity | \$/kVA/day | | 0.0105 | 0.0059 | 0.0164 |
| GTX1500-DAMD | General transformer >300kVA and <=1500kVA demand | \$/kVA/month | | 4.0526 | 2.2487 | 6.3013 |
| GTX1501-FXD | General transformer >1500kVA connection daily | \$/con/day | 33 | 0.0343 | 0.0191 | 0.0534 |
| GTX1501-24UC | General transformer >1500kVA connection uncontrolled | \$/kWh | | 0.0009 | 0.0006 | 0.0015 |
| GTX1501-CAPY | General transformer >1500kVA connection capacity | \$/kVA/day | | 0.0186 | 0.0104 | 0.0290 |
| GTX1501-DOPC | General transformer >1500kVA connection on-peak demand ¹ | \$/kWh/month | | 7.6356 | 4.2370 | 11.8726 |
| GTX1501-FWRP | General transformer, >1500kVA connection, power factor ⁴ | \$/kVA/month | | 5.5135 | 3.0585 | 8.5730 |
| Unmetered | | | | | | |
| G001-FXD | Non-street lighting daily | \$/fitting/day | 518 | 0.0272 | 0.0151 | 0.0423 |
| G001-24UC | Non-street lighting uncontrolled | \$/kWh | | 0.0883 | 0.0491 | 0.1374 |
| G002-FXD | Street lighting daily | \$/fitting/day | 323 | 0.1457 | 0.0811 | 0.2268 |
| G002-24UC | Street lighting uncontrolled | \$/kWh | | 0.0000 | 0.0000 | 0.0000 |
| Distributed generation | | | | | | |
| DGEN | Small scale distributed generation ⁵ | \$/kWh | n/a | 0.0000 | 0.0000 | 0.0000 |

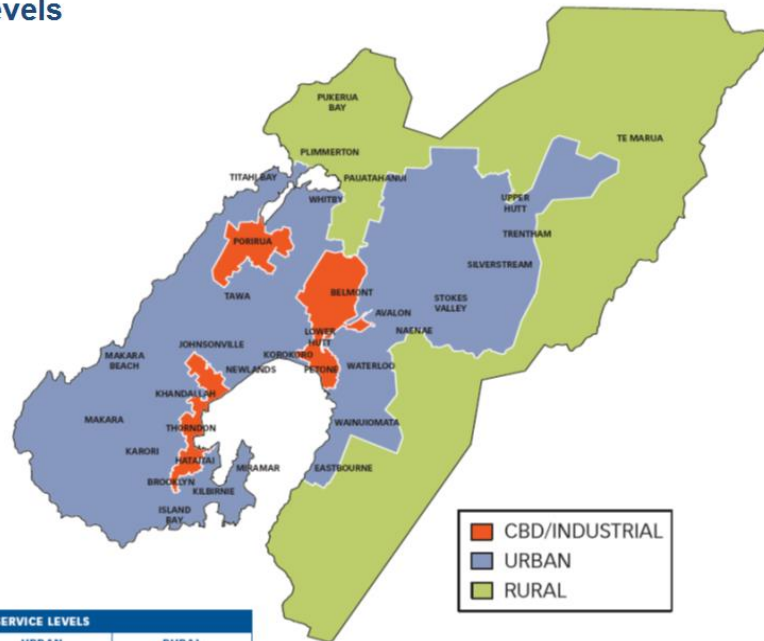
Notes:

- Peak: Monday to Friday 07:00 - 11:00 (incl. public holidays); and Monday to Friday 17:00 - 21:00 (incl. public holidays)
- Offpeak: Monday to Friday 11:00 - 17:00 (incl. public holidays); Monday to Friday 21:00 - 07:00 (incl. public holidays); and Saturday and Sunday all times
- Charge is applicable to demand measured from 7:30 to 9:30 and 17:30 to 19:30 on weekdays including public holidays.
- Charge is applicable for power factor <0.95 from 07:00 to 20:00 on weekdays where the kVA charge amount represents twice the largest difference between the recorded kVAh and one third of the recorded kWh in any one half-hour period.
- WE* has various codes for small scale distributed generation volumes, being RLU-DGEN, RSU-DGEN, RLUEVB-DGEN, RSUEVB-DGEN, GLV15-DGEN, GLV69-DGEN, GLV138-DGEN, GLV300-DGEN, GLV1500-DGEN, GTX15-DGEN, GTX69-DGEN, GTX138-DGEN, GTX300-DGEN, GTX1500-DGEN and GTX1501-DGEN.
- Transmission charges make up 92% of the Transmission and Other pass through Price (excluding wash-ups and incentives). Other pass through charges recovered include costs such as Commerce Act Levies, Electricity Authority Levies, Council rates and other recoverable costs.

APPENDIX 2: SERVICE AREAS AND SERVICE LEVELS

Standard Service Levels

Wellington Region



| | SERVICE LEVELS | | |
|-----------------------|------------------|------------------|------------------|
| | CBD/INDUSTRIAL | URBAN | RURAL |
| Time to restore power | From 0 – 3 hours | From 0 – 3 hours | From 0 – 6 hours |

Effective: 1 May 2005