Electricity
Network pricing schedule

Module 15
Effective April 1, 2015 for Electricity line charges

Contents

Section 1: PRICING SCHEDULES

1.1 WELLINGTON ELECTRICITY NETWORK LINE CHARGES

Un-metered

Region	Load Group	Consumption Code	Code	Description	Units	Charge
G	G001	FIXD	G001-FIXD	Non street lighting, <1kVA, fixed charge	$/day	0.0411
G	G001	24UC	G001-24UC	Non street lighting, <1kVA, variable charge	$/kWh	0.1379
G	G002	FIXD	G002-FIXD	Street lighting, <1kVA, fixed charge	$/day	0.0411
G	G002	24UC	G002-24UC	Street lighting, <1kVA, variable charge	$/kWh	0.1379

Residential

Region	Load Group	Consumption Code	Code	Description	Units	Charge
G	G100	FIXD	G100-FIXD	Single meter without control (low user), fixed charge	$/day	0.1500
G	G100	24UC	G100-24UC	Single meter without control (low user), uncontrolled charge	$/kWh	0.1088
G	G100	NITE	G100-NITE	Single meter without control (low user), night charge	$/kWh	0.0178
G	G101	FIXD	G101-FIXD	Dual meter with control (low user), fixed charge	$/day	0.1500
G	G101	24UC	G101-24UC	Dual meter with control (low user), uncontrolled charge	$/kWh	0.1088
G	G101	CTRL	G101-CTRL	Dual meter with control (low user), controlled charge	$/kWh	0.0524
G	G101	NITE	G101-NITE	Dual meter with control (low user), night charge	$/kWh	0.0178
G	G102	FIXD	G102-FIXD	Single meter with control (low user), fixed charge	$/day	0.1500
G	G102	AICO	G102-AICO	Single meter with control (low user), all inclusive charge	$/kWh	0.0872
G	G102	NITE	G102-NITE	Single meter with control (low user), night charge	$/kWh	0.0178
G	G103	FIXD	G103-FIXD	3 phase residential (low user), fixed charge	$/day	0.1500
G	G103	24UC	G103-24UC	3 phase residential (low user), variable charge	$/kWh	0.1101
G	G104	FIXD	G104-FIXD	Single meter without control (standard user), fixed charge	$/day	1.0000
G	G104	24UC	G104-24UC	Single meter without control (standard user), uncontrolled charge	$/kWh	0.0702
G	G104	NITE	G104-NITE	Single meter without control (standard user), night charge	$/kWh	0.0167
G	G105	FIXD	G105-FIXD	Dual meter with control (standard user), fixed charge	$/day	1.0000
G	G105	24UC	G105-24UC	Dual meter with control (standard user), uncontrolled charge	$/kWh	0.0702
G	G105	CTRL	G105-CTRL	Dual meter with control (standard user), controlled charge	$/kWh	0.0216
G	G105	NITE	G105-NITE	Dual meter with control (standard user), night charge	$/kWh	0.0167
G	G106	FIXD	G106-FIXD	Single meter with control (standard user), fixed charge	$/day	1.0000
G	G106	AICO	G106-AICO	Single meter with control (standard user), all inclusive charge	$/kWh	0.0486
G	G106	NITE	G106-NITE	Single meter with control (standard user), night charge	$/kWh	0.0167
G	G107	FIXD	G107-FIXD	3 phase residential (standard user), fixed charge	$/day	1.0000
G	G107	24UC	G107-24UC	3 phase residential (standard user), variable charge	$/kWh	0.0725
G	G108	FIXD	G108-FIXD	Dual meter with control (low user), fixed charge (Electric Vehicle)	$/day	0.1500
G	G108	24UC	G108-24UC	Dual meter with control (low user), uncontrolled charge (Electric Vehicle)	$/kWh	0.1088
G	G108	CTRL	G108-CTRL	Dual meter with control (low user), controlled charge (Electric Vehicle)	$/kWh	0.0524
G	G108	NITE	G108-NITE	Dual meter with control (low user), night charge (Electric Vehicle)	$/kWh	0.0178
G	G109	FIXD	G109-FIXD	Dual meter with control (standard user), fixed charge (Electric Vehicle)	$/day	1.0000
G	G109	24UC	G109-24UC	Dual meter with control (standard user), uncontrolled charge (Electric Vehicle)	$/kWh	0.0702
G	G109	CTRL	G109-CTRL	Dual meter with control (standard user), controlled charge (Electric Vehicle)	$/kWh	0.0216
G	G109	NITE	G109-NITE	Dual meter with control (standard user), night charge (Electric Vehicle)	$/kWh	0.0167

Low voltage connection

Region	Load Group	Consumption Code	Code	Description	Units	Charge
G	GV02	FIXD	GV02-FIXD	<=15kVA, fixed charge	$/day	0.5847
G	GV02	24UC	GV02-24UC	<=15kVA, variable charge	$/kWh	0.0581
G	GV07	FIXD	GV07-FIXD	>15kVA and <=69kVA, fixed charge	$/day	1.4463
G	GV07	24UC	GV07-24UC	>15kVA and <=69kVA, variable charge	$/kWh	0.0404
G	GV14	FIXD	GV14-FIXD	>69kVA and <=138kVA, fixed charge	$/day	8.1951
G	GV14	24UC	GV14-24UC	>69kVA and <=138kVA, variable charge	$/kWh	0.0477
G	GV30	FIXD	GV30-FIXD	>138kVA and <=300kVA, fixed charge	$/day	11.6739
G	GV30	24UC	GV30-24UC	>138kVA and <=300kVA, variable charge	$/kWh	0.0198
G	GV99	FIXD	GV99-FIXD	>300kVA, TOU, fixed charge	$/day	29.4367
G	GV99	24UC	GV99-24UC	>300kVA, TOU, variable charge	$/kWh	0.0088
G	GV99	DAMD	GV99-DAMD	>300kVA, TOU, demand charge	$/kVA/month	7.8501

Transformer connection

Region	Load Group	Consumption Code	Code	Description	Units	Charge
G	GX02	FIXD	GX02-FIXD	<=15kVA, fixed charge	$/day	0.5318
G	GX02	24UC	GX02-24UC	<=15kVA, variable charge	$/kWh	0.0530
G	GX07	FIXD	GX07-FIXD	>15kVA and <=69kVA, fixed charge	$/day	1.3149
G	GX07	24UC	GX07-24UC	>15kVA and <=69kVA, variable charge	$/kWh	0.0368
G	GX14	FIXD	GX14-FIXD	>69kVA and <=138kVA, fixed charge	$/day	7.4500
G	GX14	24UC	GX14-24UC	>69kVA and <=138kVA, variable charge	$/kWh	0.0435
G	GX30	FIXD	GX30-FIXD	>138kVA and <=300kVA, fixed charge	$/day	10.6126
G	GX30	24UC	GX30-24UC	>138kVA and <=300kVA, variable charge	$/kWh	0.0179
G	GX99	FIXD	GX99-FIXD	>300kVA, TOU, fixed charge	$/day	22.8980
G	GX99	24UC	GX99-24UC	>300kVA, TOU, variable charge	$/kWh	0.0070
G	GX99	CAPY	GX99-CAPY	>300kVA, TOU, capacity charge	$/kVA/day	0.0167
G	GX99	DAMD	GX99-DAMD	>300kVA, TOU, demand charge	$/kVA/month	6.4344

Industrial

Region	Load Group	Consumption Code	Code	Description	Units	Charge
G	GC60	FIXD	GC60-FIXD	>1500kVA connection, in CBD/Industrial service area, fixed charge	$/day	0.0509
G	GC60	24UC	GC60-24UC	>1500kVA connection, in CBD/Industrial service area, variable charge	$/kWh	0.0014
G	GC60	CAPY	GC60-CAPY	>1500kVA connection, in CBD/Industrial service area, capacity charge	$/kVA/day	0.0285
G	GC60	DOPC	GC60-DOPC	>1500kVA connection, in CBD/Industrial service area, on-peak demand charge	$/kW/month	11.3854
G	GC60	PWRF	GC60-PWRF	>1500kVA connection, in CBD/Industrial service area, power factor charge	$/kVAr/month	8.4226
G	GU60	FIXD	GU60-FIXD	>1500kVA connection, in urban service area, fixed charge	$/day	0.0509
G	GU60	24UC	GU60-24UC	>1500kVA connection, in urban service area, variable charge	$/kWh	0.0014
G	GU60	CAPY	GU60-CAPY	>1500kVA connection, in urban service area, capacity charge	$/kVA/day	0.0285
G	GU60	DOPC	GU60-DOPC	>1500kVA connection, in urban service area, on-peak demand charge	$/kW/month	11.8548
G	GU60	PWRF	GU60-PWRF	>1500kVA connection, in urban service area, power factor charge	$/kVAr/month	8.4226
G	GR60	FIXD	GR60-FIXD	>1500kVA connection, in rural service area, fixed charge	$/day	0.0509
G	GR60	24UC	GR60-24UC	>1500kVA connection, in rural service area, variable charge	$/kWh	0.0014
G	GR60	CAPY	GR60-CAPY	>1500kVA connection, in rural service area, capacity charge	$/kVA/day	0.0285
G	GR60	DOPC	GR60-DOPC	>1500kVA connection, in rural service area, on-peak demand charge	$/kW/month	14.2860
G	GR60	PWRF	GR60-PWRF	>1500kVA connection, in rural service area, power factor charge	$/kVAr/month	8.4226

Section 2: ELECTRICITY PRICING

Wellington Electricity's standard Network Line Charges are designed to cover the cost of transporting Electricity over the Electricity Network to End-Consumer's homes and businesses.

The line charges applicable to the Wellington Electricity Network are included in Section 1.1. These prices are based on the default price path regulation administered by the Commerce Commission.

2.1 GENERAL TERMS

(a) For full details of the conditions of connection to and conveyance across Wellington Electricity's Network, please refer to the "Use of Network Agreement".

(b) Times stated in this module are New Zealand Daylight Time unless otherwise specified.

2.1.1 Extent of charges

(a) All charges exclude the provision of Metering Equipment or Load Management equipment which is located at the Point of Connection to the Electricity Network.

(b) All charges exclude the cost of the End-Consumer Fittings.

(c) All charges are exclusive of Goods and Services Tax (GST).

2.1.2 Transmission costs

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

(a) All charges exclude loss constraint excess payments (loss rental rebates) and ancillary service charges. Wellington Electricity 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.

(b) Wellington Electricity will charge a transmission administration fee of $13,875 per month. The fee will be allocated to Retailers in proportion to their share of the kWh volumes reconciled each month across the Network.

(c) Transmission costs are passed onto End-Consumers in the network tariffs.

2.1.3 Council utility charges

Local Council rates levied on Wellington Electricity are passed on to End-Consumers in the tariff.

2.1.4 Regulatory Levies

Levies from the Commerce Commission and Electricity Authority are passed on to End-Consumers in the tariff.

2.1.5 Specifying the Electricity Network

The location of the Electricity Network that End-Consumers are supplied from is determined by the relevant Transmission Grid Exit Point on the network.

"Grid Exit Point" (GXP) means the point on the electricity transmission system at which the distribution network is connected.

The Grid Exit Points are shown in the table below:

Wellington Electricity Network	Grid Exit Points Location
	Haywards
	Melling
	Gracefield
	Upper Hutt
	Takapu Rd
	Pauatahanui
	Wilton
	Central Park
	Kaiwharawhara

2.1.6 Description of consumption category options

Various pricing options are available for different meter configurations within Load Groups. The following options are used within the pricing schedules (not all options are available in all Load Groups);

Consumption category	Consumption code	Details
Controlled	CTRL	Can be controlled at any time for a maximum of five hours in any 24 hour period. Only available to load permanently wired to a separate meter (refer to 2.1.7 for eligibility for controlled charges) and also diagram 1
All inclusive controlled	AICO	A 24 hour supply with associated appliances that can be controlled at any time for a maximum of five hours in any 24 hour period. Any storage water or space heating on this charge must be controlled - refer to section 2.1.7 and also diagram 2
Night supply only	NITE	Controlled option with power between the hours 11pm - 7am, plus a minimum "boost period" of two hours generally between 1pm and 3pm. This charge is only available where the load is permanently wired to a separate meter.
24 hr uncontrolled	24UC	24 hour supply uncontrolled.

2.1.7 Eligibility for controlled charges

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 Wellington Electricity'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 Wellington Electricity's discretion.

Electric Vehicles (EV) connecting to the Wellington Electricity distribution network must connect their EV load through a controlled load (CTRL) circuit. An appropriate controlled load rate is applied.

2.1.8 Time periods

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

Period	Wellington
Night	11:00pm-7:00am
On-peak	7:30am-9:30am 5:30pm-7:30pm

2.1.9 Selection of Load Group

(a) The Load Group for Residential End-Consumers may be nominated by the Retailer in accordance with the requirements of this pricing module for the various consumption options.

(b) The Load Group for all other Points of Connection will be set by Wellington Electricity 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 section 1.1. Refer to Wellington Electricity's Customer Contributions Policy at http://www.welectricity.co.nz/disclosures for this pricing information.

2.1.10 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 table 2.1.6 and will be submitted using the code as published in the code column of the Wellington Electricity Network Line Charge tables in section 1.1.

(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 Load Groups it is possible for an ICP to have multiple consumption categories (such as controlled and uncontrolled). Such an ICP will have one Load Group with multiple consumption codes.

(e) Where a half hourly 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.

2.1.11 Calculation of scaled and variable charges

2.1.11.1 Electricity Non-Scalable Volume definition

Electricity Non-Scalable Volume is the loss-adjusted volume derived from End-Consumers identified by Wellington Electricity as being TOU (time of use) metered, or un-metered.

2.1.11.2 Electricity Scalable Volume definition

Electricity Scalable Volume is the loss adjusted volume derived from End-Consumers other than those End-Consumers identified in 2.1.11.1.

2.1.12 Reconciliation of Electricity Scalable Volume

(a) Where the sum of Electricity Scalable Volume and Electricity Non-Scalable Volume (after adjustments for estimated volumes) supplied by all Retailers does not reconcile with the total Energy injected into the Network, Wellington Electricity will factor up or down the Electricity Scalable Volume, by the same percentage for all Retailers to reconcile to the total Energy injected into the Network.

Each Retailer's share of the Electricity Scalable Volume will be proportional to the number of ICPs it supplies on the Wellington Electricity network.

(b) The volume derived from this calculation will be the basis for calculating variable charges to scalable ICPs.

(c) The Retailer's share of Energy injected into the Network includes any projections made by Wellington Electricity where no consumption information is provided by the Retailer for energised ICPs.

2.2 UN-METERED ELECTRICITY LINE CHARGES

This section applies to un-metered End-Consumers less than 1kVA, however End-Consumers greater than 1kVA may be eligible for un-metered at Wellington Electricity's discretion. Un-metered line charges contain a fixed and/or variable charge.

2.2.1 Load Group definitions

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

Type	Wellington
Non-street lighting	G001
Street lighting	G002

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

2.2.2 Variable charges

For all un-metered supplies 24 hr uncontrolled (24UC) variable charges apply.

2.2.3 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 (provided by NZ MetService):

Month	Wellington
January	287
February	286
March	358
April	389
May	439
June	442
July	451
August	417
September	365
October	339
November	285
December	275

2.3 RESIDENTIAL ELECTRICITY PRICING

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

2.3.1 Price Categories

The following table summarises the Price Categories for this group of End-Consumers, based on standard tariffs, which are applicable to residential End-Consumers

Pricing Category	Description
Low User	Permanent place of residence low user tariffs
Standard User	Permanent place of residence standard user tariffs

A Low User is a residential consumer who consumes less than 8000 kWh per year and who is on a low user residential retailer tariff option. A Standard User is a residential consumer who consumes more than 8000 kWh per year.

If Wellington Electricity is satisfied 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 Usage Price Category) it may reassign the End-Consumer to the "Standard User" category and retrospectively apply billing adjustments.

2.3.2 Load Group definitions

The structure of the charges for Residential End-Consumers is shown below:

Residential	Single meter*		Two meters*	3 phase
Pricing Category	Uncontrolled	Controlled	Controlled	
Low User	G100	G102	G101 / G108	G103
Standard User	G104	G106	G105 / G109	G107

* Refer to Diagrams 1 and 2 below

(a) The single meter uncontrolled Load Group is applicable to all residential End-Consumers with a single meter but with no load connected to Wellington Electricity's load management system.

(b) The single meter controlled Load Group is applicable to all residential End-Consumers with a single meter, with load connected to Wellington Electricity's load management system (see Diagram 1 below).

(c) The two meter controlled Load Group is applicable to all residential End-Consumers with two meters, one meter recording consumption for load connected to Wellington Electricity's load management system and one meter recording consumption for load not connected to Wellington Electricity's load management system (see diagram 2 below).

(d) The three phase Load Group is applicable to all residential End-Consumers with a three phase connection.

Diagram 1

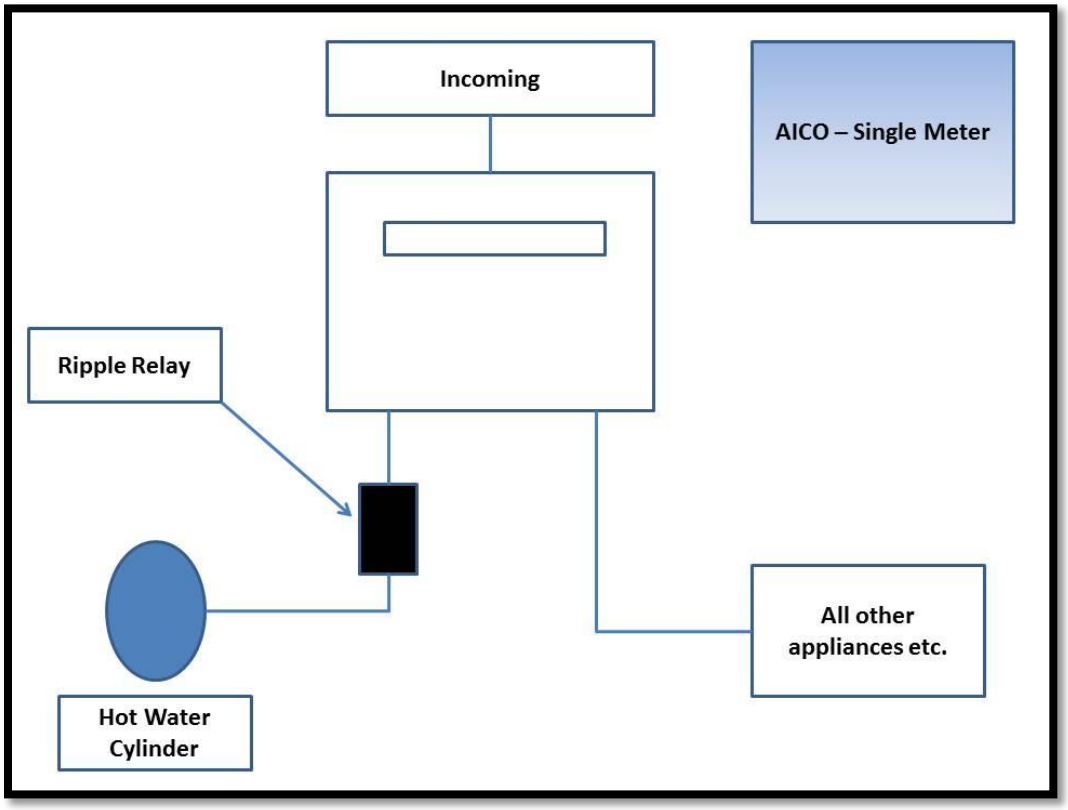
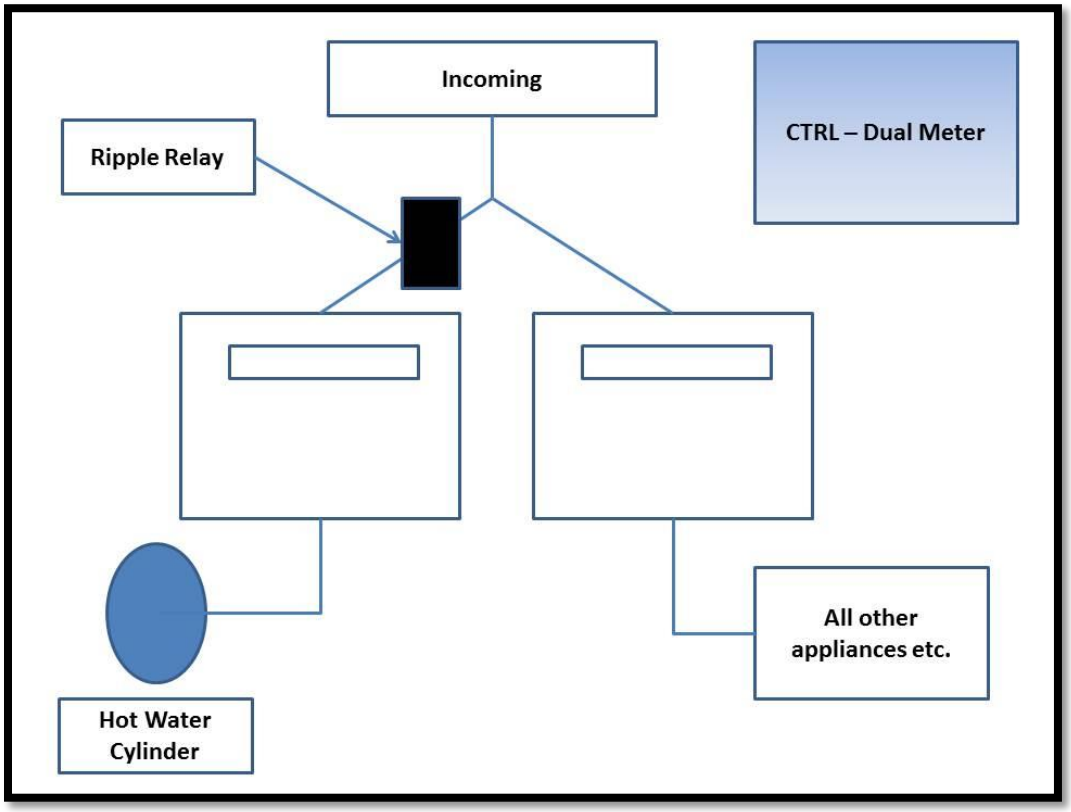


Diagram 2



2.3.3 Variable charges

(a) There are different variable charges for each Load Group (refer to 2.1.6 for the consumption category descriptions).

i For single meter uncontrolled configurations, 24 hr uncontrolled (24UC) variable charges apply.

ii For single meter controlled configurations, all inclusive controlled (AICO) variable charges apply.

iii For two meter configurations, both controlled (CTRL) and 24 hr uncontrolled (24UC) variable charges apply (controlled charge subject to load permanently wired to a separate meter). This includes electric vehicles.

iv For three phase configurations, 24 hr uncontrolled (24UC) variable charges apply.

v Night charge (NITE) is available to all residential options except three phase supplies.

vi Consumption submitted on a consumption code not appropriate for the End-Consumers Load Group will be charged at the default charge for that Load Group. The default charge will be determined as the highest variable charge applicable for that Load Group.

2.3.4 Fixed charges

(a) Different fixed charges apply to each Load Group.

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 fixed daily charge of one dollar per day. This difference reflects that higher volumes use more capacity of Wellington Electricity's assets.

2.4 COMMERCIAL ELECTRICITY PRICING – LOW VOLTAGE AND TRANSFORMER CONNECTIONS

This section applies to all non-Residential End-Consumers up to and including 300kVA capacity.

2.4.1 Load Group definitions

Commercial pricing is divided into two types of connection, low voltage connections and transformer connections.

(a) A **transformer connection** is where the End-Consumer receives a supply from transformers owned by Wellington Electricity but dedicated to supply a single End-Consumer.

(b) A **low voltage connection** is where an End-Consumer receives supply from Wellington Electricity's low voltage network via a transformer shared with other End-Consumers.

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

Capacity	Wellington
<=15kVA	GX02
>15kVA and <=69kVA	GX07
>69kVA and <=138kVA	GX14
>138kVA and <=300kVA	GX30

Capacity is determined by the dedicated transformer size.

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

Capacity	Wellington
<=15kVA	GV02
>15kVA and <=69kVA	GV07
>69kVA and <=138kVA	GV14
>138kVA and <=300kVA	GV30

Capacity is determined by maximum demand or fuse size.

2.4.2 Variable charges

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

2.4.3 Fixed charges

Different fixed charges apply to each Load Group.

2.5 INDUSTRIAL ELECTRICITY PRICING

This section applies to all non Residential End-Consumers greater than 300kVA capacity. It applies to industrial and large commercial End-Consumers.

2.5.1 Load Group definitions

Industrial pricing **greater than 300kVA but less than or equal to 1500kVA** is divided into two types of connection, low voltage connections and transformer connections;

(a) A transformer connection is where the End-Consumer receives a supply from transformers owned by Wellington Electricity but dedicated to supply a single End-Consumer.

(b) A low voltage connection is where an End-Consumer receives supply from Wellington Electricity's low voltage network via a transformer shared with other End-Consumers.

Industrial pricing **greater than 1500kVA** is divided into three service areas, CBD/Industrial, Urban and Rural. The service areas are defined in section 2.9.3.

The structure of the charges for Industrial End-Consumers is shown below;

Connection type	Capacity	Wellington
Transformer connection	>300kVA and <=1500kVA	GX99
Low voltage	>300kVA and <=1500kVA	GV99
High Voltage	>1500kVA	GC60
		GU60
		GR60

Time of Use metering is required for End-Consumers on these Load Groups.

2.5.2 Variable charges

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

2.5.3 Fixed charges

Different fixed charges apply to each Load Group.

2.5.4 Capacity charges

(a) Different capacity charges apply to each Load Group.

(b) The capacity charge is based on the capacity dedicated by Wellington Electricity to supplying the End-Consumer's Equipment. Where the available capacity exceeds the requirement of the End-Consumer's equipment, 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.

2.5.5 Demand charges

Different demand charges apply to each Load Group.

(a) For industrial consumers with a capacity 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.

(b) For industrial 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). Different on-peak charges are applied to different geographical service areas. The service areas are specified in section 2.9.

2.5.6 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 section 1.1) will be applied where the End-Consumer's power factor is less than 0.95 lagging.

(a) The kVAr amount represents twice the largest difference between the kVArh 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 End-Consumers with TOU metering whose charges do not incorporate a component that is based on kVA demand.

2.6 EMBEDDED GENERATION

Each Generator connected to the Network will be subject to a separate agreement. 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.

2.7 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.

2.7.1 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).

2.7.2 Electricity Network Loss Factors

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

2.7.3 Loss Factor look up codes

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

2.7.3.1 Wellington Loss Factor look up codes

Wellington Network distribution Losses by Load Group		
Load Group	**Loss factor code (LV metered)**	**Loss Factor code (HV metered)**
Un-metered		
G001	VECG1	-
G002	VECG1	-
Residential		
G100	VECG1	-
G101	VECG1	-
G102	VECG1	-
G103	VECG1	-
G104	VECG1	-
G105	VECG1	-
G106	VECG1	-
G107	VECG1	-
G108	VECG1	-
G109	VECG1	-
Small commercial		
GV02	VECG1	-
GV07	VECG1	-
GV14	VECG1	-
GV30	VECG1	-
GX02	VECG2	VECG4
GX07	VECG2	VECG4
GX14	VECG2	VECG4
GX30	VECG2	VECG4
Industrial		
GV99	VECG3	VECG4
GX99	VECG3	VECG4
GC60	VECG3	VECG4
GU60	VECG3	VECG4
GR60	VECG3	VECG4

2.8 OTHER CHARGES - ELECTRICITY

Unless stated otherwise below, all charges will be invoiced directly to the Retailer by Wellington Electricity and not to the End-Consumer.

All Non-Network Fault work, Retailer or End-Consumer services not listed below will be charged to the Retailer on a time and materials basis at market rates.

Charge	Unit	Charge Applicable
		1 April 2015 to 31 March 2016
New connection fee - single phase connection	per connection point	117.00
New connection fee - two or three phase connection	per connection point	365.00
Site visit fee	per site visit	152.00
Permanent disconnection fee	per point of disconnection	233.00
Late, incorrect or incomplete consumption fee data	per hour	122.00

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 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 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 End-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.

Late, incorrect or incomplete consumption fee data

This fee is payable where consumption data required in this Agreement from the Retailer to Wellington Electricity, does not comply with the requirement of this agreement. It will be charged on the basis of the actual time spent by a billing analyst to review, correct, validate and reconcile the information.

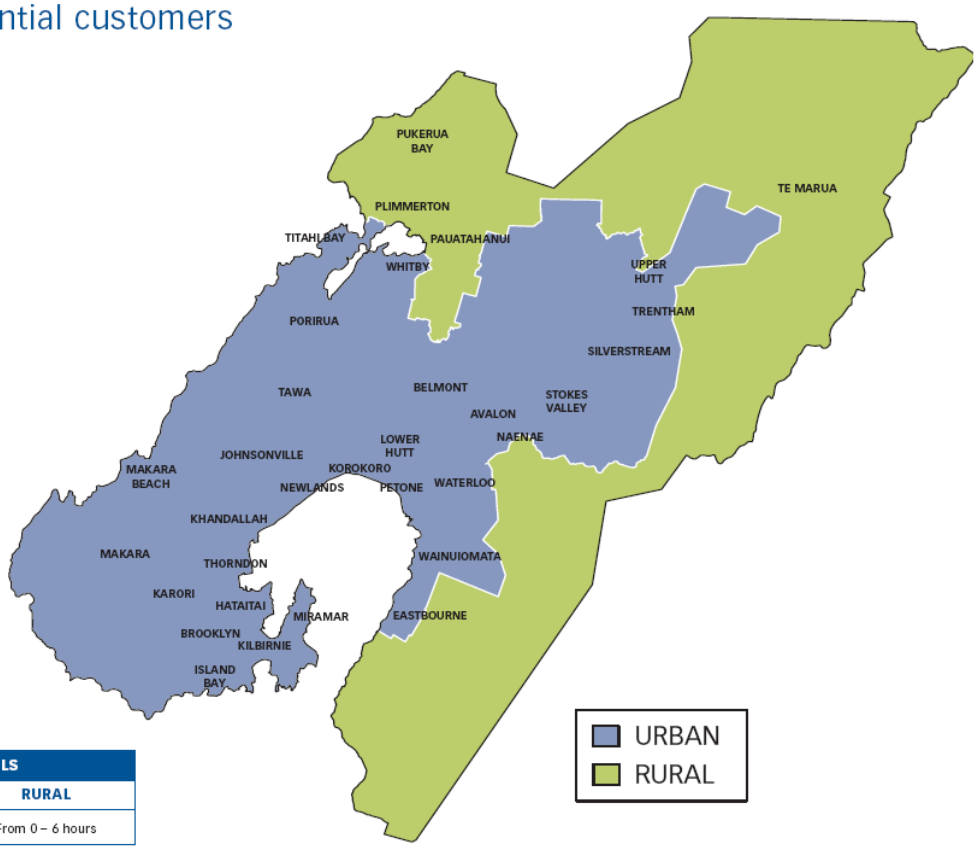
2.9 SERVICE AREAS AND SERVICE LEVELS

Service areas and service levels are presented in the following maps.

2.9.1 Residential Service Areas - Wellington Network

Standard Service Levels

Wellington region - Residential customers



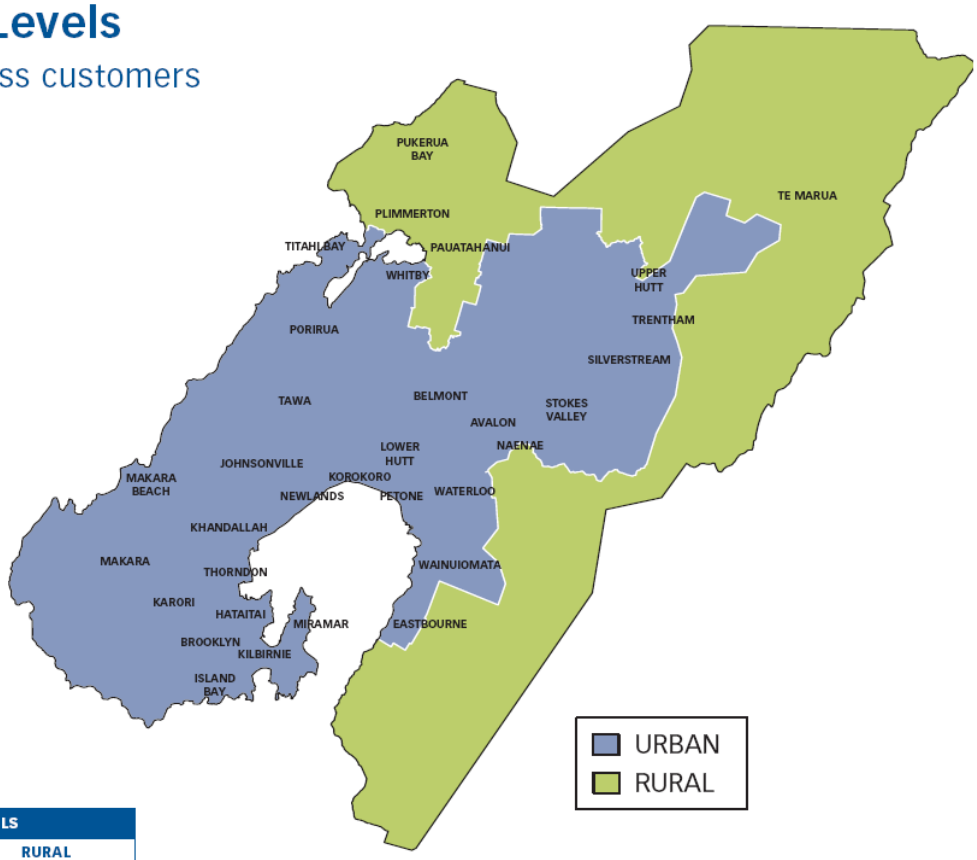
	SERVICE LEVELS	
	URBAN	RURAL
Time to restore power	From 0 – 3 hours	From 0 – 6 hours

Effective: 1 May 2005

2.9.2 Commercial Service Areas - Wellington Network

Standard Service Levels

Wellington region - Business customers



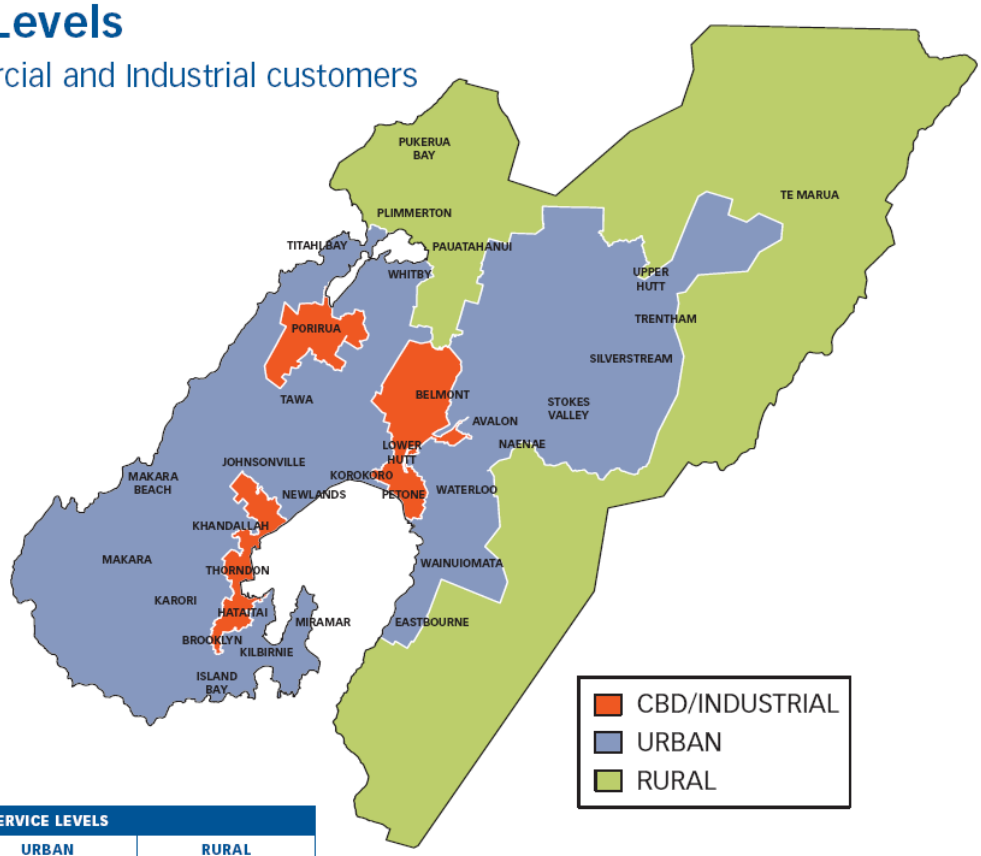
	SERVICE LEVELS	
	URBAN	RURAL
Time to restore power	From 0 – 3 hours	From 0 – 6 hours

Effective: 1 May 2005

2.9.3 Industrial Service Areas - Wellington Network

Standard Service Levels

Wellington region - Commercial and Industrial customers



	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