

POWERCO LIMITED ELECTRICITY PRICING SCHEDULE

Effective 1 April 2007

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Part A: General Terms and Conditions

1 Introduction

- 1.1 This Pricing Schedule applies to the Distributor's Network and sets the Prices for use of the Network effective from 1 April 2007.
- 1.2 This Pricing Schedule is made up of three Parts:
 - a. Part A Price Categories applying to both the Western and Eastern Regions.
 - b. Part B Price Categories for the Western Region only.
 - c. Part C Price Categories for the Eastern Region only.
- 1.3 For any Network Agreement which is in the form of the Model Use of System Agreement published by the Electricity Commission, this Pricing Schedule forms Schedule 10 of that Network Agreement.
- 1.4 Where any provision of this Pricing Schedule conflicts with the provisions of any Network Agreement, the Network Agreement will prevail.

2 Interpretation

- a. All charges are exclusive of GST.
- b. All times stated in this Pricing Schedule are New Zealand Daylight Savings Time.

3 Definitions

- 3.1 Unless the context otherwise requires, terms in this Pricing Schedule defined in the Network Agreement have those defined meanings.
- 3.2 Some additional terms are defined where required in Parts B and C of this Pricing Schedule and apply to the relevant part only.
- 3.3 **"Connection"** or **"Point of Connection"** means each point of connection at which a supply of electricity may flow between the Distribution Network and the Consumer's installation as defined by the Distributor.
- 3.4 "Consumer" means a purchaser of electricity from the Retailer where the electricity is delivered via the Distribution Network.
- 3.5 **"Consumption Data"** means data, provided by the Retailer to the Distributor as required under the Network Agreement, showing details of the measured electricity consumption on the Distribution Network(s) to which the Network Agreement applies.
- 3.6 **"Controlled Price Category" or "Controlled Tariff Option"** means a Price Category or Tariff Option allocated to an ICP where the ICP meets the criteria set out in paragraph 12.3 below.
- 3.7 **"Customer"** means a direct customer or a Retailer (where the Retailer is the customer).

"Demand" means the rate of expending electrical energy expressed in kilowatts (kW) or kilovolt amperes (kVA).

3.9 "Distribution Network" or "Network" means:

	DISTRIBUTION NETWORKS				
EASTERN REGION	Valley – the Distribution Network connected to the Transpower				
(the "Eastern Region")	transmission system at the GXPs at:				
	 Waihou 				
	Kinleith				
	Kopu				
	 Hinuera 				
	Waikino				
	Tauranga – the Distribution Network connected to the Transpower				
	transmission system at the GXPs at:				
	 Tauranga 				
	■ Mt Maunganui				
	■ Te Matai				
WESTERN REGION	Wairarapa – the Distribution Network connected to the Transpower				
(the "Western Region")	transmission system at the GXPs at:				
	Greytown				
	 Masterton 				
	Manawatu– the Distribution Network connected to the Transpower				
	transmission system at the GXPs at:				
	 Bunnythorpe 				
	Linton				
	 Mangamaire 				
	Taranaki – the Distribution Network connected to the Transpower				
	transmission system at the GXPs at:				
	Carrington				
	 Huirangi 				
	 Hawera 				
	Moturoa				
	 Opunake 				
	 Stratford 				
	Wanganui – the Distribution Network connected to the Transpower				
	transmission system at the GXPs at:				
	Brunswick				
	Marton				
	Mataroa				
	 Ohakune 				
	 Wanganui 				
	 Waverley 				

- 3.10 "Distributor" means Powerco, as the operator and owner of the Distribution Networks.
- 3.11 **"Electricity Governance Rules"** or **"EGRs"** means the Rules made by the Minister of Energy under section 172H of the Electricity Act 1992 as may be amended from time to time.
- 3.12 **"Electrical System"** means the Distributor's overhead and underground electricity distribution and sub-transmission power system network.

3.13 **"Embedded Generation"** or **"Distributed Generation"** means electricity generation that is connected and distributed within the Network.

- 3.14 **"Embedded Generator"** or **"Distributed Generator"** means an electricity generation plant producing Embedded Generation.
- 3.15 **"Embedded Network"** means electricity distribution network that is owned by someone other than the Distributor, where consumers have ICPs allocated and managed by the embedded network owner (or another EGR participant appointed for the purpose), that is connected to the Distribution Network and electricity traded is reconciled at the point of connection between the embedded network and the Distribution Network.
- 3.16 **"Grid Exit Point (GXP)"** means a point of connection between Transpower's transmission system and the Distributor's Network.
- 3.17 "GST" means Goods and Services Tax as defined in the Goods and Services Tax Act 1985.
- 3.18 **"High Voltage (HV)"** means voltage above 1,000 volts, generally 11,000 volts, for supply to Consumers.
- 3.19 "Home" means a premises which:
 - a. is used or intended for occupation mainly as a place of residence (for example it is not mainly a business premises); and
 - b. is the principal place of residence of the residential Consumer who contracts with the Retailer to purchase electricity for the Home (for example, it is not just a holiday home); and
 - c. is not a premises that is referred to in paragraphs (a) to (i) of section 90 of the Electricity Industry Reform Act 1998 (for example, it is not part of a boarding house, hostel or camping ground); and
 - d. is not a building ancillary to a person's principal place of residence (for example, a shed or garage) that is separately metered; and
 - e. is not exempted from low fixed charge option coverage under an exemption granted under the Electricity (Low Fixed Charge Tariff Option for Domestic Consumers)
 Regulations 2004.
- 3.20 "Installation Control Point (ICP)" means a Point of Connection on the Distributor's Network, which the Distributor nominates as the point at which a Retailer is deemed to supply electricity to a Consumer, and has the attributes set out in the Electricity Governance Rules.
- 3.21 "Interest Rate" means, on any given day, the rate (expressed as a percentage per annum and rounded to the nearest fourth decimal place) displayed on Reuters' screen page BKBM (or its successor page) at or about 10:45am on that day as the bid rate for three-month bank accepted bills of exchange or, if no such rate is displayed or that page is not available, the average (expressed as a percentage per annum and rounded up to the nearest fourth decimal place) of the bid rates for three-month bank accepted bills of exchange quoted at or around 10.45 am on that day by each of the entities listed on the Reuters' screen page when the rate was last displayed or, as the case may be, that page was last available.

3.22 "kVA" means kilovolt – amp.

- 3.23 "kVAh" means kilovolt – amp hour.
- 3.24 "kW" means kilowatt.
- 3.25 "kWh" means kilowatt hour.
- 3.26 "Line Charges" means the charges levied by Powerco on Customers for the use of the Distribution Network as described in this Pricing Schedule.
- "Load Control Equipment" means the piece of equipment (which may include, but is not 3.27 limited to a ripple receiver and a relay) which is from time to time installed in, over, or upon a Consumer's premises for the purpose of receiving Load Management Service signals.
- 3.28 "Load Management Service" means providing a signal for the purpose of reducing or interrupting delivery to all or part of a Consumer's premises, including as an example, but without limitation, delivery to a water heater.
- 3.29 "Low Usage Price Categories" means the low usage price categories for Line Charges described in paragraphs 21 and 23 and subject to the conditions set out in paragraph 26 of this Pricing Schedule.
- 3.30 "Low Usage Tariff Options" means the low usage tariff options for Line Charges described in paragraphs 21 and 23 and subject to the conditions set out in paragraph 26 of this Pricing Schedule.
- 3.31 "Low Voltage (LV)" means voltage of value up to 1,000 volts, generally 230 or 400 volts for supply to Consumers.
- 3.32 "Network Agreement" means the Network Agreement, Network Services Agreement, Network Connection Agreement, Electricity Delivery Agreement, Use of System Agreement, Conveyance and Use of System Agreement or Agreement for Use of Networks and, to avoid doubt, includes any agreement in the form of the Model Use of System Agreement that this Pricing Schedule forms a part of.
- 3.33 "Powerco" means Powerco Limited and any of its subsidiaries, successors and assignees.
- 3.34 "Price Category" means the relevant price category selected by the Distributor from this Pricing Schedule to define the line charges applicable to a particular ICP.
- 3.35 "Pricing Schedule" means this pricing schedule.
- "Reconciliation Manager (RM)" means the person appointed from time to time as the 3.36 Reconciliation Manager pursuant to the Electricity Governance Rules or such other person from time to time to whom Metering Data in respect of electricity is to be sent pursuant to the Electricity Governance Rules.
- 3.37 "Region" means the Eastern Region or the Western Region as the case may be.
- 3.38 "Retailer" means the supplier of electricity to Consumers with installations connected to the Distribution Network.
- 3.39 "Time of Use Meter (TOU)" means metering that measures the electricity consumed for a particular period (usually half-hourly) and complies with Part D of the Electricity Governance Rules.

3.40 **"Tariff Option"** means the price option within a Price Category where such a Price Category provides for retailer choice amongst two or more options, subject to a particular configuration of metering and Load Control Equipment.

- 3.41 **"Transmission Charge"** has the meaning defined in the Commerce Act (Electricity Distribution Thresholds) Notice 2004, but excludes part (a)(i) as it relates to economic value adjustments and part (a)(iv) (loss and constraint rentals) of that definition.
- 3.42 **"Transmission Rebates"** means the economic value adjustment and the loss and constraint excesses rebated to the Distributor in respect of a Distribution Network by Transpower.
- 3.43 "Uncontrolled Price Category" or "Uncontrolled Tariff Option" means a Price Category or Tariff Option allocated to an ICP where the ICP does not meet the criteria set out in paragraph 12.3 below.

4 Selection of Price Category

- 4.1 Where different Price Categories exist within the Charges, the Distributor will be entitled to determine which Price Category will apply to an ICP. In determining which Price Category should apply to an ICP, the Distributor will have regard to the Consumer's Connection, the Consumer's demand profile and capacity requirements and any other relevant factors.
- 4.2 If the Retailer reasonably considers that a Price Category has been inappropriately allocated to an ICP, the Retailer will notify the Distributor and the Distributor will advise the Retailer, within 10 Working Days, as to whether or not it agrees to allocate a different Price Category to that ICP. The Retailer will provide the Distributor with the reasons why it considers the Price Category has been inappropriately allocated to the ICP, and the Distributor will provide to the Retailer information relevant to its decision.
- 4.3 Where the Distributor reasonably considers that a different Price Category should be allocated to a particular ICP:
 - a. the Distributor will notify the Retailer accordingly including the reasons why it considers the Price Category allocated to the ICP should be changed; and
 - b. unless the Retailer is able to provide evidence to the Distributor's reasonable satisfaction within 10 Working Days of the Distributor's notice that the current Price Category is appropriate, the Distributor will be entitled to allocate the Price Category that it considers appropriate to that ICP and to commence charging the Retailer for Distribution Services in accordance with that Price Category after a further 40 Working Days; and
 - c. the Distributor will provide to the Retailer information relevant to its decision.

5 Price Categories: Western and Eastern Regions

- Paragraphs 6 to 11 set out the Price Categories which apply to both the Western and Eastern Regions.
- 5.2 The Retailer has no choice in relation to the applicability of the Price Categories in paragraphs 6 to 11 and each Price Category is applicable to the Retailer.

6 Price Category: Transparent Pass Through Distributions

- Powerco distributes the net actual amount of Transmission Rebates (economic value adjustments, loss and constraint excess payments) received by Powerco as follows:
 - a. **Loss Rental Rebates:** Powerco will distribute the net actual amount of the loss and constraint rentals received in a month in respect of a Region to Customers in proportion to their respective kWh volumes on the Region reconciled for that month, which will be the amount of the distribution for the next month.
 - b. **EV Adjustment Rebates:** Powerco will distribute the net actual amount of the Transpower economic value adjustment rebate received in a month in respect of a Region to Customers in proportion to their respective kWh volumes in the Region for the twelve months ended 31 March 2007, which will be the amount of the distribution for each month.

7 Price Category: New Subdivision Charges

7.1 Subject to the Electricity (Low Fixed Charge Tariff Option for Domestic Consumers)
Regulations 2004, where the Distributor extends the Distribution Network to establish new
Connections in a subdivision development, the Distributor may notify Charges that will apply specifically to those new Connections and the dates from which such Charges are to be effective.

8 Price Categories: Miscellaneous Matters

8.1 The following miscellaneous charges are payable by the Retailer.

	PRICE CATEGORIES	Charge
A	PRICE CATEGORY OR TARIFF OPTION CHANGE FEE:	
	Payable by the Retailer when a Consumer's Price Category or Tariff Option is changed more than once in any 12 month period.	\$30 per Point of Connection (payable for
	Powerco may at its discretion waive this fee.	the second and each subsequent instance).
В	INCORRECT OR INCOMPLETE CONSUMPTION DATA FEE:	
	Payable where Consumption Data required to be provided by the Retailer to the Distributor does not comply with the requirements of the Network Agreement. It will be charged on the basis of the actual time spent by a billing analyst or the cost of engaging external consultants/experts to review, correct, validate and reconcile the information.	\$100 per hour
C	LATE CONSUMPTION DATA FEE:	
	Payable where the Consumption Data required to be provided by the Retailer to the Distributor is received by the Distributor after the due date for receipt of that Consumption Data. The charge is based on the Distributor's cost of funds and the cost of using billing analysts to address the delay. This fee may be charged at the Distributor's discretion.	The reasonable costs incurred by the Distributor (including costs associated with late receipt of payment due to late invoicing) as a result of the late data supply.
		\$100 per hour for each billing analyst hour required to address the late supply of data
D	ADHOC REPORT FEE	
	Payable where a Retailer requests an ad hoc report that is not generally supplied by the Distributor.	\$100 per hour or such other fee as may be agreed.
E	NON-NETWORK FAULT FEE	
	All Non-Network Fault work, or Retailer or Consumer services not listed above will be charged to the Customer on a time and materials basis at market rates.	Time and materials basis at market rates

9 Price Category: Adjustment Rebate Distribution

- 9.1 The Distributor is subject to regulation of its prices in the form of the price path threshold formula set by the Commerce Commission ("the Price Path Threshold"). This imposes considerable risk to the Distributor if, due to estimation errors, its pricing exceeds the allowable threshold.
- 9.2 The Distributor may distribute a rebate to Customers to ensure compliance with the Price Path Threshold. The total dollar amount to be distributed as a rebate will be allocated between Customers in proportion to their respective kWh volumes on the Distribution Network reconciled for the period from 1 April 2007 up to the end of the month prior to the month in which the distribution is calculated.

10 Price Category: Embedded Generation

- 10.1 Any Embedded Generator connected to the Network will be subject to a separate agreement between the Distributor, the Customer wanting to connect the Embedded Generator and, if appropriate, the Retailer.
- 10.2 Any person wanting to connect an Embedded Generator to the Network must apply to the Distributor for consent to such connection. All applications for the connection of Embedded Generators to the Network will be assessed by the Distributor on a case-by-case basis, having regard to the circumstances that apply in each case.
- 10.3 Powerco's Embedded Generation policy is published on Powerco's website at www.powerco.co.nz.

11 Price Category: Embedded Network

- 11.1 Any new Embedded Network connected to the Network will be subject to a separate agreement between the Distributor, the Customer wanting to connect the Embedded Network and, if appropriate, the Retailer.
- 11.2 Any person wanting to connect a new Embedded Network to the Network must apply to the Distributor for consent to such connection and comply with Powerco's applicable connection standard(s) and guideline(s). All applications for the connection of an Embedded Network to the Network will be assessed by the Distributor on a case-by-case basis, having regard to the circumstances that apply in each case.
- 11.3 Pricing for new Embedded Networks will be on the basis of asset based pricing utilising a minimum level of demand appropriate to the Distributor's estimate of the installed capacity of the embedded sub-division and this and other terms will be the subject of the separate agreement referred to above.

12 Controlled Price Categories and Controlled Tariff Options

- 12.1 For the Western and Eastern Regions (excluding Tauranga):
 - a. Consumers (the incumbent Retailer's consumers and other Retailers' consumers) allocated to a Controlled Price Category or Controlled Tariff Option will have their load controlled by:
 - i. the Distributor:
 - A. for the purposes of grid and network security; and
 - B. for the purposes of optimising transmission charges; and
 - C. in abnormal supply or operating circumstances (e.g. a shortage or anticipated shortage of electricity); and
 - ii. the Distributor acting on the instructions of Genesis Energy as the incumbent retailer within these areas (i.e. Western and Eastern (excluding Tauranga)) for other purposes.
 - b. If the Retailer is a non-incumbent Retailer and is not agreeable to its Consumers load being controlled by the Distributor for the purposes and in the circumstances set out in paragraph 12.1(a)(i) and/or 12.1(a)(ii), the Retailer must choose or request the Distributor to allocate the Consumer to an Uncontrolled Price Category or Uncontrolled Tariff Option. All Consumers in Controlled Price Categories or Controlled Tariff Options as at 1 April 2007 have via their Retailer agreed to assign to the Distributor and Genesis Energy the whole of the right to control the load (for whatever purpose).

12.2 For Tauranga:

- a. Consumers (incumbent Retailers Consumers and other Retailers Consumers) allocated to a Controlled Price Category or Controlled Tariff Option will have their load controlled by:
 - i. the Distributor and/or TrustPower (as the operator of the Distributor's load signalling equipment):
 - A. for the purposes of grid and network security; and
 - B. for the purposes of optimising transmission charges; and
 - C. in abnormal supply or operating circumstances (e.g. a shortage or anticipated shortage of electricity); and
 - ii. the Distributor acting on the instructions of TrustPower as the incumbent retailer within this area and/or TrustPower (as the operator of the Distributor's load signalling equipment) for other purposes (if agreement between the Distributor and Trustpower is in place):
- b. If a Retailer is a non-incumbent Retailer and is not agreeable to its Consumers load being controlled by the Distributor and/or TrustPower for the purposes and in the circumstances set out in paragraph 12.2(a)(i) and/or 12.2(a)(ii), the Retailer must choose or request the Distributor to allocate the Consumer to an Uncontrolled Price

Category or Uncontrolled Tariff Option. All Consumers in Controlled Price Categories or Controlled Tariff Options as at 1 April 2007 have via their Retailer agreed to assign to the Distributor and Trustpower the whole of the right to control the load (for whatever purpose).

- 12.3 To be eligible for a Controlled Price Category or Controlled Tariff Option, the Retailer must ensure:
 - a. that the Consumer has Load Control Equipment (including meter, receiver and relay) that:
 - i. is and will continue to be in working order; and
 - ii. in operation will result in a reduction in the Consumer's demand. For example, by controlling the supply of electricity to those of the Consumer goods (including, without limitation, consumers goods or capital goods) which consume or are intended to consume electricity and which the Consumer has permitted the supply of electricity to be controlled. By way of example: (1) hot water cylinders; (2) electric kilns; (3) swimming pool heaters; and (4) spa pool heaters;
 - b. the receiver and relay:
 - i. will be activated by the Distributors load signalling equipment (both pilot wire (cascade) and ripple control signalling equipment); and
 - ii. the load control signals transmitted by the Distributor are not and will not be blocked or interfered with.
- 12.4 No Controlled Price Category or Controlled Tariff Option is available at those GXPs where the Distributor does not have operational Load Control Equipment. Currently there is no operational Load Control Equipment at the Waverley GXP.

Subject Date Reissuc Electricity Pricing Schedule 18 June 2007

Part B: Western Region

13 Application

13.1 This Part applies to the Western Region Network only.

14 Price Category: Street Light Load Control Equipment Charge

- 14.1 The Distributor owns a number of Load Control Equipment attached to or associated with street lights in the Western Region.
- 14.2 The Load Control Equipment charge for the use of each Distributor street light Load Control Equipment is:

Daily charge per street light Load Control Equipment				
11.85 cents per Load Control Equipment per day				

14.3 The street light Load Control Equipment charge will be charged to each responsible Retailer monthly in arrears.

15 Price Categories: E1C and E1UC

- Price Category E1C applies to a Connection, being a Connection on any of the Western Region Distribution Networks which are not E300 Connections, E100 Connections or Special Priced Connections. Price Category E1C is available for those Connections that meet the criteria for a Controlled Tariff Option set out in paragraph 12.3.
- 15.2 Price Category E1UC applies to a Connection, being a Connection on any of the Western Region Distribution Networks which are not E300 Connections, E100 Connections, E1C Connections or Special Priced Connections
- 15.3 E1C and E1UC Price Categories are for the remainder of this paragraph 15 together called the "E1 Price Category".
- 15.4 Connections in the E1 Price Category generally have a demand of less than 100 kVA i.e. domestic households and small businesses.
- 15.5 Calculation of Charges for E1 Price Category
 - a. Volume Charges
 - i. The kWh volumes used to determine the E1 Price Category volume charges (ERD and ERN) and each Retailer's share of the E1 demand charge (ERL charge) at each Distribution Network will be determined using residual GXP gross load kWh ½ hr volume data. This will be based on RM interim data (day 7) for the prior month available at the time of billing (e.g. the account rendered in December 2004 for the month of November 2004 would be based on data in relation to the Distribution Network as well as GXP data from 1 November 2004 to 30 November 2004).

ii. All demand and volume based quantities for the E1 Price Category will be determined from data supplied to the RM for volume reconciliation purposes and will be at the GXP (that is, installation metered volumes x applicable local Network Distribution Loss Factor).

- iii. Should wash-ups to quantities as part of the RM wash-up cycle occur these will be charged, or rebated, as appropriate.
- iv. E1 ERD (Day) and ERN (Night) Volume Charge

For the determination of the kWh volumes the following time periods are used:

Day is the sixteen-hour period from 07:00 hrs to 23:00 hrs daily. Night is the eight-hour period from 23:00 hrs to 07:00 hrs daily.

b. E1 ERL Demand Charge

- i. The chargeable kW Demand for the E1 Price Category is calculated using the GXP ½ hour single anytime maximum kW demand associated with the E1 Price Category at the GXP for the prior month determined by the billing date (for example, the account rendered in December 2004 for the month of November 2004 would be based on data in relation to the Distribution Network as well as GXP data from 1 November 2004 to 30 November 2004).
- ii. The half hour quantities are derived by taking the GXP ½ hr gross load and subtracting off the E300 and E100 ½ hr loads, leaving the E1 group profiled load.

c. E1 Fixed Charge (FDC)

i. A fixed daily charge will be applied to the average number of ICPs a Retailer has in each of the E1UC and E1C Price Categories during the previous month. This average is calculated by the addition of the number of ICPS the Retailer has at the month start to the number of ICPs at the month end, the sum being divided by two.

d. Extent of Control E1C Price Category

i. Under normal supply circumstances, supply can be controlled at any time for a maximum of 7 hours per day. Under abnormal supply or operating circumstances (e.g. where there is a shortage or anticipated shortage of electricity), control may be for greater than 7 hours per day.

16 Price Category: E100

Price Category E100 applies to a E100 Connection, being a Connection on any of the Western Region Distribution Networks with a demand of less than 300 kVA that has been approved by the Distributor and is subject to the following conditions:

- a. The Connection must have installed TOU metering and is subject to a minimum chargeable demand of 100kVA per month.
- b. A minimum contract period of 12 months once accepted to this Price Category applies.
- c. E100 Connections can only change Retailers on the first day of the month. Should an E100 Connection switch Retailer other than on the first day of the month then the relevant Retailer current at the end of the month will be charged for the full months Line Charge.
- d. The E100 Price Category is not available as a Price Category for residential premises (including "homes" as defined in the Electricity (Low Fixed Charge Tariff Option for Domestic Consumers) Regulations 2004).

16.2 Calculation of E100 Charges

- a. E100 Network Asset Charge (E1A)
 - i. The number of E1A charges per E100 Connection will be per ICP connected (normally 1 E1A charge per ICP).
- b. E100 Demand Charge (E1L)
 - i. The E100 E1L chargeable kVA Demands will be determined using the individual Connection's kVAh ½ hour volume data + losses and is calculated by averaging the top 12 daily anytime maximum kVA demands (one peak per day (meaning a 24 hour period from 00:00 hours to 00:00 on the next day)) on a rolling 12 months basis. The E1L Chargeable kVA Demand will be 100kVA or the actual average demand, whichever is the higher. In cases where kVA measured data is not available the kVA data will be determined from kW data using a representative power factor as determined by the Distributor.
 - ii. Where an E100 Connection changes Retailer the load history used to calculate the chargeable kVA Demands will be transported with the Connection to the new Retailer.
 - iii. For new E100 Connections, where less than 12 month's data is available, the chargeable kVA Demand for the E1L charge will be determined based on available data commencing from the installation of the TOU metering. For example, if six months TOU data history is available then the 12 peaks in demand will be calculated using the six months data, or if only one months TOU data is available then the 12 peaks in demand will be calculated using that month's data.

17 Price Category: E300

- 17.1 Price Category E300 applies to a E300 Connection, being a Connection on any of the Western Region Distribution Networks with a demand of 300 kVA or greater that has been approved by the Distributor and is subject to the following conditions:
 - a. The Connection must have an installed transformer capacity (nameplate rating) of at least 300 kVA, Time of Use metering and is subject to a minimum chargeable demand of 300kVA per month. All Connections with a dedicated installed distribution transformer with a capacity (nameplate rating) of 300kVA or greater are automatically allocated to the E300 Price Category.
 - b. A minimum contract period of 12 months (once accepted to this Price Category) applies.
 - c. E300 Connections can only change Retailers on the first day of the month. Should an E300 Connection switch Retailer other than on the first day of the month then the relevant Retailer current at the end of the month will be charged for the full months Line Charge.
 - d. The E300 Price Category is not available for residential premises (including "homes" as defined in the Electricity (Low Fixed Charge Tariff Option for Domestic Consumers) Regulations 2004).

17.2 Calculation of E300 Charges

- a. E300 Network Asset Charge (E3A)
 - i. The E300 E3A chargeable capacity shall be the greater of 300kVA or the sum of all nameplate kVA ratings of distribution transformers connected to supply the connection, irrespective of ownership of the distribution transformers.
 - ii. If the deliverable capacity is restricted to a lower level by an item of the Distributor's plant then the E3A Installed Transformer Capacity shall be the maximum deliverable capacity in kVA and shall not be less than 300kVA.
 (Connections subject to such a reduction will be listed as E300R on registry).
- b. E300 Demand Charge (E3L)
 - i. The E300 E3L chargeable kVA Demand will be determined using the individual Connection's kVAh ½ hour volume data + losses and is calculated by averaging the top 12 daily anytime maximum kVA demands (one peak per day (meaning here a 24 hour period from 00:00 hours to 00:00 on the next day)) on a rolling 12 month basis. The E3L Chargeable kVA Demand will be 300kVA or the actual average demand, whichever is the higher.
 - ii. If an E300 Connection changes Retailer the load history used to calculate the E3L Chargeable kVA Demand will be transferred with that Connection to the new Retailer. Should the new Retailer request the raw data relating to the load history, the Distributor will obtain the raw data from its agents and the Retailer will be charged all costs incurred by the Distributor associated with procuring the data.
 - iii. For new E300 Connections, where less than 12 months data is available, the chargeable kVA Demand for the E3L charge will be determined based on

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available data commencing from the installation of the TOU metering. For example, if 6 months TOU data history is available then the 12 peaks in demand will be calculated using the 6 months data, or if only 1 months TOU data is available then the 12 peaks in demand will be calculated using that month's data.

18 Western Region Charges

E 1 (applies to connections less than 100kVA installed)						
		Commeesic	ons less th	Charge Coo		
GXP/Grouj	ps	FI	OC .	ERD	ERN	ERL
	Region	E1C	E1UC	Volume	Charges	
C : LE : A D. S. A		Price	Price	Cents	s/kWh	D
Grid Exit Point		Category	Category			Demand Charge
(GXP)		Fixed	Fixed	Day	Night	\$/kW/month
		cents/day	cents/day			
Brunswick						
Bunnythorpe						
Carrington Street						
Huirangi	A			4.7631	0.9526	12.2509
Linton	11			4.7031	0.9320	12.2309
Moturoa						
Stratford						
Wanganui						
Greytown		10.00	15.00			
Hawera						
Mangamaire						
Marton						
Masterton	В			6.3442	1.2566	15.2829
Mataroa						
Ohakune						
Opunake						
Waverley						
Note: GST is to be added to these prices						

(a	pplies to connect	ions of less than 299k			
		Charge Codes			
		E1A	E1L		
GXP	Price Category	E100 Fixed Network Assets	E100 Variable Demand		
		Charge	Charge		
		\$/ICP/month	\$/kVA/month		
Carrington Street					
Moturoa	A		12.6928		
Stratford	A		12.0928		
Huirangi					
Hawera	В		22.9062		
Waverley	С		20.8174		
Opunake	D		20.4532		
Brunswick	E	260.00	11.5597		
Wanganui	L	(applies to all groups)	11.5597		
Marton	F	Ī	12.5452		
Mataroa	G		22.0551		
Ohakune					
Masterton	Н		18.8121		
Greytown		-	10.0121		
Bunnythorpe	I		12.0223		
Linton	1		12.0223		
Mangamaire	J		14.4523		

(annlies		300 gity of 300kVA and	greater)		
(applies	to instancu Capac	city of 300kVA and greater) Charge Codes			
		E3A	E3L		
GXP	Price Categories	E300 Network Assets	E300 Variable Demand		
		Charge	Charge		
		\$/kVA/month	\$/kVA/month		
Carrington Street					
Moturoa	A		8.3553		
Stratford	А		8.3333		
Huirangi					
Hawera	В		11.2110		
Waverley	С		16.9561		
Opunake	D		16.6325		
Brunswick Wanganui	E	1.5600 (applies to all groups)	6.3202		
Marton	F		7.6481		
Mataroa Ohakune	G		16.8967		
Masterton	Н		13.4206		
Greytown					
Bunnythorpe Linton	I		9.3671		
Mangamaire	J	1	10.8242		

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Part C: Eastern Region

19 Application

19.1 This Part applies to the Eastern Region Network only.

20 Price Categories: Valley Distribution Network

- 20.1 The Valley Distribution Network Price Categories and Tariff Options described below are subject to the conditions set out in paragraphs 25 to 30 and paragraph 12.3.
- 20.2 The V05C, V06C and V07C Price Categories are Controlled Price Categories and the Tariff Options within those Controlled Price Categories are Controlled Tariff Options.
- 20.3 A Retailer supplying a Consumer which has Capacity 3 phase 60 Amps and greater may only change that Consumer from a Price Category or a Tariff Option to another Price Category or Tariff Option once in any period of 12 consecutive months (excluding any change to a Low Fixed Charge Tariff Option or change from a Low Fixed Charge Tariff Option).

21 Valley Price Schedule

Price Category			Fixed Charge (Cents per Day)	Tariff Option	Variable Charge c/kWh
	Temporary Building Supplies - Single Phase 60 Amp	V08 Closed to new connections	126.6400	Nil	N/A
	Temporary Building Supplies - Three Phase 60 Amp	V09 Closed to new connections	359.3300	Nil	N/A
Un – metered Load*	Un-metered supply other than street lighting	V01	N/A	Nil	8.7110
On – metered Load		V02 Un-metered street lighting	N/A	Nil	8.7110
	Un-metered street lighting	V02 Un-metered street lighting fittings owned by the Distributor – maintenance charge	4.4000	Nil	N/A
		V02 Un-metered street lighting fittings owned by the Distributor – street light rentals	11.0700	Nil	N/A
				NITE	1.4351
	V05 - Low Usage (8,000 kWh or less subject to the provisions in paragraph 21)	V05C -Controlled	15.0000	24UC	8.5444
		vose -controlled	13.0000	CTRL	6.9120
				AICO	8.3210
		V05U - Uncontrolled	15.0000	24UC	8.5444
	V06 - Standard Usage - Residential	V06C -Controlled	67.0000	NITE	1.4351
ICP less than 3				24UC	6.1719
phase 20 amps or 2				CTRL	4.5395
phase 60 amps				AICO	5.9485
		V06U - Uncontrolled	67.0000	24UC	6.1719
	V07 - Standard Usage – Commercial	V07C - Controlled	67.0000	NITE	1.4351
				24UC	6.1719
				CTRL	4.5395
				AICO	5.9485
		V07U - Uncontrolled	67.0000	24UC	6.1719
Capacity greater		V23 - Standard Usage	406.2798	AICO	2.7698
than 3 phase 20 amps (but excluding all 2 phase connections up to	3 phase 60A	VR23 - Low Usage (8,000 kWh or less subject to the provisions in paragraph 26)	15.0000	AICO	20.6219
	V24 - 3 phase 61-160A		1,709.17134	AICO	1.9567
	V26 - 3 phase 200A		2,737.2898	AICO	1.9000
and including 60	V28 >200A up to 300kVA		7 388 6507	CTRL	1.4499
amps)	*		7,388.6597	24UC	2.1898
Asset based Pricing	V40 - 300kVA – 1500kVA		P.O.A	TAIC	N/A
	V60 - >1500kVA		1.O.A	IAIC	11/71

^{*} Refer to Schedule Four for additional information for un-metered ICPs

22 Price Categories: Tauranga Distribution Network

- 22.1 The Tauranga Distribution Network Price Categories and Tariff Options described below are subject to the conditions set out in paragraphs 25 to 30 and elsewhere in this document.
- 22.2 The T05C, T06C and T07C Price Categories are Controlled Price Categories and the Tariff Options within those Controlled Price Categories are Controlled Tariff Options.
- 22.3 Consumers with Capacity 3 phase 60 Amps and greater may only change from one Price Category or Tariff Option to another Price Category or Tariff Option once in any 12 month period.
- 22.4 Price Categories T43, T45, T47 and T49 are closed to new ICPs.
- 22.5 Tauranga Distribution Network Time Zone Definitions:

Tauranga Distribution Network		
Winter	1 May–31 August	
Summer	1 Sep–30 April	
Day	7am–11pm	
Night	11pm–7am	

23 Tauranga Price Schedule

Price Category			Fixed Charge (Cents per Day)	Tariff Option	Variable Charge c/kWh
	T08 - Temporary Building Supplies - Single Ph	126.6400	Nil	N/A	
Un – metered	T09 - Temporary Building Supplies - Three Ph	ase 60 Amp. Closed to new connections	359.3300	Nil	N/A
Load*	T01 - Un-metered supply other than street light	ting	N/A	Nil	7.8646
	T02 - Un-metered street lighting		N/A	Nil	7.8646
				NITE	1.4289
	T05 - Low Usage (8,000 kWh or less subject	T05C -Controlled	15.0000	24UC	7.8123
	to the provisions in paragraph 21)	105C -Controlled		CTRL	3.9669
				AICO	6.6323
		T05U - Uncontrolled	15.0000	24UC	7.8123
	T06 - Standard Usage - Residential	T06C -Controlled	37.1240	NITE	1.4289
ICP less than 3				24UC	6.8029
phase 20 amps or 2				CTRL	2.9575
phase 60 amps				AICO	5.6229
		T06U - Uncontrolled	37.1240	24UC	6.8029
			37.1240	NITE	1.4289
		T07C - Controlled		24UC	6.8029
	T07 - Standard Usage – Commercial			CTRL	2.9575
				AICO	5.6229
		T07U - Uncontrolled	37.1240	24UC	6.8029

^{*} Refer to Schedule Four for additional information for un-metered ICPs.

Price Category		Fixed Charge	Tariff	Variable Charge	
			(Cents per Day)	Option	c/kWh
				24UC	5.3656
				CTRL	2.4966
				CTUD	5.3656
		T20 Standard Usage	140.5200	CTUN	1.2957
				INTR	4.9203
				CTON	18.9850
	<100kVA			CTOF	4.7491
	\100K\11			24UC	11.0924
				CTRL	8.2234
Capacity greater	TR20 - Low Usage (8,000 kWh or less sto the provisions in paragraph 26)	TR20 - Low Usage (8 000 kWh or less subject	15.0000	CTUD	11.0924
than 3 phase 20				CTUN	7.0225
amps (but				INTR	10.6471
excluding all 2				CTON	24.7118
phase connections				CTOF	10.4759
up to and including	T22 – 100 – 199kVA		649.8898	24UC	5.1698
60 amps)				CTRL	2.3816
				CTUD	5.3656
				CTUN	1.2957
		T24 – No TOU metering required	2,178.9899	24UC	4.7794
	200 – 299kVA			CTRL	2.2018
		T41 – TOU metering required	823.9798	Se	e table below
	T43 - 300kVa, closed to new ICPs		957.8798	See table below	
	T45 – 500kVA closed to new ICPs	1,123.2398			
	T47 – 750kVA closed to new ICPs	1,363.3499			
	T49 – 1000kVA closed to new ICPs	1,499.5700			
Asset Based	T50 - 300kVA – 1500kVA		P.O.A	TAIC	N/A
Pricing	T60 - >1500kVA				

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Tauranga Network T41, T43, T45, T47 and T49 Variable Charges (c/kWh)

Price Category /Tariff Option	Summer day	Summer night	Winter day		Winter night	Winter morning peak	Winter evening peak	
	(0700-2300)	(2300-0700)	0700- 1100- 2000- 0800 1700 2400		(2300-0700)	(0800-1100)	(1700-2000)	
	TS/1	TS/2	TW/1	TW/3	TW/5	TW/6	TW/2	TW/4
T41, T43, T45, T47, T49	2.5327	0.6876	4.4351		0.9168	9.3746	16.1707	

23.2 Some ICPs may have additional transformer charges. These charges are notified individually.

24 Price Category: Power Factor Charges

- 24.1 If a Consumer's power factor at a Connection is less than 0.95 lagging, the Distributor may:
 - a. on the first occasion this paragraph 24 applies, allow the Consumer three months to correct the power factor at the Connection and then commence charging the power factor charge set out in paragraph 24.2 if the power factor is not corrected within that specified time.
 - b. on the second and subsequent occasions this paragraph 24 applies, either apply paragraph 24.1a or charge the power factor charge set out in paragraph24.2.
- 24.2 The power factor charge for the purposes of this paragraph 24 is \$7.00/kVAr/month in respect of the Consumer.
- Where the kVAr amount represents the largest difference between the kVAr amount recorded in any one ½ hour period and one third of the kW demand recorded in the same ½ hour period. The charge is applicable only during weekdays, between 7 am and 8 pm.
- 24.4 The power factor charge will only be applicable for Consumers with TOU metering.
- 24.5 The Distributor, at its discretion, may elect not to levy power factor charges on a particular ICP, this election will be disclosed on Registry by appending the letter "N" to the price category recorded against an ICP. For instance an ICP with the price category of T43 will be recorded as "T43N" where no Power Factor charges are being levied.

25 Conditions: Un-Metered Load Price Categories

- 25.1 The un-metered Price Categories are not available for residential premises (including "homes" as defined in the Electricity (Low Fixed Charge Tariff Option for Domestic Consumers) Regulations 2004).
- 25.2 For the purpose of determining the Charges in respect of un-metered Price Categories:
 - a. Consumption for un-metered supply other than streetlights (V01 and T01) will be determined on a case-by-case basis, dependent on load profile. A minimum load factor of 10% will be applied to the input wattage.
 - b. Consumption for un-metered streetlights (T02 and V02) will be determined by multiplying the input wattage with the number of night hours as given in the table below:

Month	Night Hours in Valley, Tauranga
January	298
February	296
March	360
April	386
May	428
June	430
July	438
August	412
September	365
October	341
November	298
December	289

- c. The wattage for un-metered supplies (V01, V02, T01 and T02) will be charged based on the greater of their actual input wattage or 50 watts.
- 25.3 Powerco will accept no new Temporary Builders Supplies connections as un-metered connections.
- Where a permanent un-metered supply's (e.g. Street lighting and other, excluding temporary builder supplies) connected capacity requirement exceeds 5kVA single phase a metered connection is necessary.

26 Conditions: Low Usage Price Categories and Tariff Options

- 26.1 The Low Usage Price Categories for the Eastern Region (T05C, T05U, TR20, V05C, V05U and VR23) are only available to the Retailer:
 - a. For residential Consumers that are supplied electricity in respect of a Home;
 - b. In conjunction with the Retailer's Consumer low fixed charge tariff option that complies with the requirements of the Electricity (Low Fixed Charge Tariff Option for Domestic Consumers) Regulations 2004; and
 - c. If the Distributor's prior approval (that approval not to be unreasonably withheld) of the Retailer's process for ascertaining that the relevant Consumer is eligible for the Low Fixed Charge Price Category has been given; and
 - d. Subject to the condition that if the Distributor becomes aware that a Low Fixed Charge Price Category has been made available to, or is being applied by, a Retailer other than in accordance with this paragraph, the Distributor may remove the relevant Consumer from the Low Fixed Charge Price Category to another Price Category and adjust the Charges accordingly. Such adjustment to the Charges may include recovery from the Retailer of any underpayment by the Retailer resulting from the Low Fixed Charge Price Category being applied other than in accordance with this Pricing Schedule, together with interest, calculated at the Interest Rate on the first day of the period during which the Low Fixed Charge Price Category was incorrectly applied, from such day until the day on which the underpayment is recovered by the Distributor.

27 Conditions: Description of Controlled Options

- 27.1 The required Consumer Appliances for a Controlled Tariff Option (including the CTRL, NITE, CTON and CTOF meter register codes) are:
 - a. Hot water cylinders;
 - b. Electric kilns;
 - c. Swimming and spa pool heater; or
 - d. Any appliances representing a significant proportion of the Consumer's demand that may be controlled without increasing the consumer's uncontrolled demand.
- 27.2 The NITE Tariff Option is only available for appliances permanently wired to a separate meter.

27.3 Controlled Price Category and Controlled Tariff Option Descriptions

Tariff Option	Meter Register Code	Extent of Control
All Inclusive Single Meter Option	AICO	A 24 hour supply and an additional controllable supply where under normal supply circumstances electricity is usually available for 17 hours per day. Under abnormal supply or operating circumstances (e.g. where there is a shortage or anticipated shortage of electricity) control of the controllable supply may be for greater than 7 hours per day (e.g. 22 hours per day).
Interrupted	INTR	Under normal supply circumstances, can be controlled for a maximum of 2 hours per day, after 5pm Monday to Friday between May and September. Under abnormal supply or operating circumstances (e.g. where there is a shortage or anticipated shortage of electricity), control may be for greater than 2 hours per day.
Controlled	CTRL	Electricity under normal supply circumstances is usually available for 17 hours per day. Under abnormal supply or operating circumstances (e.g. where there is a shortage or anticipated shortage of electricity), control may be for greater than 7 hours per day (e.g. 22 hours per day).
Uncontrolled	24UC	A 24 hour continuous supply.
Night Supply Only	NITE	Controlled option with power between the hours of 11pm to 7am plus a minimum "boost period" of one hour generally between 1pm and 3.30pm.
Day/Night (Closed to new consumers)	CTUD & CTUN	Day (7am – 11pm)/Night (11pm – 7am) two rate tariff.
Controlled On Peak	CTON	On peak controlled.
Controlled Off Peak	CTOF	Off peak controlled.

28 Conditions: Metering Requirements

- 28.1 Consumers on the Valley Distribution Network with a load of greater than 300kVA must have, in the Distributor's opinion, appropriate TOU metering.
- 28.2 Consumers on the Tauranga Distribution Network who are in the T41 Price Category or with a load of greater than 300kVA must have, in the Distributor's opinion, appropriate TOU metering.

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29 Conditions: Meter Register Code Reporting

- 29.1 Within each Price Category or Tariff Option there may be more than one variable rate available for use. For each variable pricing component there will be a unique Price Category or Tariff Option plus meter register code combination. For some Price Categories or Tariff Option's it will be possible for a Consumer to be connected to multiple supply options, each with its own meter register. Such an ICP will have one Price Category or Tariff Option (e.g. V06C) with multiple meter register codes. Each monthly volume quantity submitted will then incorporate for that ICP a volume for each selected variable Line Charge category. Each volume will then be associated with a meter register code (AICO, CTRL, 24UC, NITE, CTUD, CTUN, INTR, CTON, CTOF, TS/1, TS/2, TW/1, TW/2, TW/3, TW/4, TW/5 or TW/6).
- Where a half hourly TOU meter is fitted, there will only be one meter register code. Where there is no variable rate the meter register 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.
- 29.3 For the V40, V60, T50 or T60 Price Categories volumes are to be submitted monthly using Meter Register Code "TAIC" ("Time of Use All Inclusive").
- Where volume is submitted for Price Categories other than V40, V60, T50 or T60 under the TAIC meter Register Code this volume will be charged for under the highest value of the available meter register codes, generally AICO or 24UC.

30 Conditions: Asset-Specific Line Charges

- 30.1 Asset-specific charges apply to Consumers on Tauranga Distribution Network who require an 11kV feeder or who have their own generation.
- 30.2 Daily Charges for Price Categories V40, V60, T50 and T60 are subject to periodic review based on site-specific information, including electricity demand and volume data.
- 30.3 Asset-Specific Line Charges (T50, T60, V40 and V60) charged pursuant to the Network Agreement will be disclosed upon request to the Consumer to which these charges apply, or to the Consumer's current Retailer. The pricing methodology for the V40, V60, T50 and T60 Price Categories is available on request.

Schedule One: Loss Factors

1 General

- 1.1 Losses and Loss Factors may be reviewed and may be amended by the Distributor from time to time, on reasonable notice to the Retailer and not less notice than specified in the applicable Network Agreement, to ensure that they reflect total unaccounted for electricity on the Network as accurately as reasonably possible.
- 1.2 The Loss Factors currently applying at each GXP are described in the tables below.

Western Region Loss Factors as at 1 April 2007

- 2.1 The losses are calculated by GXP and apply to all ICPs belonging to the GXP;
- 2.2 There are some exceptions, mostly large industrial ICPs, to which individual loss factors apply. The individual loss factors are available on request.

Code	GXP	Loss Factor			
BPE	Bunnythorpe	1.0800			
BRK	Brunswick	1.0630			
CST	Carrington	1.0666			
GYT	Greytown	1.0700			
HUI	Huirangi	1.0652			
HWA	Hawera	1.0780			
LTN	Linton	1.0800			
MGM	Mangamaire	1.0800			
MRA	Moturoa	1.0666			
MST	Masterton	1.0700			
MTN	Marton	1.0630			
MTR	Mataroa	1.0630			
OKN	Ohakune	1.0630			
OPK	Opunake	1.0780			
SFD	Stratford	1.0652			
WGN	Wanganui	1.0630			
WVY	Waverley	1.0630			
SPEC	Large industrial sites – contact the Distributor for details				
CPOW2	Load group 2 for ICPs supplied from BPE0331, LTN0331 or MGM0331 that are >40kVA with a non-dedicated transformer. Day (0800-2400) = 1.0700 Night (2400-0800) = 1.0500				
CPOW3	Load Group 3 for ICPs supplied from BPE0331, LTN0331 or MGM0331 that are >40kVA with a dedicated transformer. Day (0800-2400) = 1.0500				
GD 07777	Night $(2400-0800) = 1.0350$				
CPOW4	Load Group 4 for ICPs supplied from BPE0331, LTN0331 or MGM0331 that are >40kVA with a dedicated transformer on a dedicated 11kV supply.				
	Day (0800-2400) = 1.0400				
	Night (2400-0800) = 1.0250				

3 Eastern Region Loss Factors as at 1 April 2007

3.1 Valley Distribution Network:

a. For ICPs supplied from GXPs at Hinuera, Kinleith, Kopu, Waihou and Waikino.

Consumer Category	Metering Voltage	Code	Loss Factors
For Connection capacity of 60 Amp or less (including un-metered connections)	Low voltage	VYLALV	1.0654
For Connection capacity of greater than 60 Amp, up to and including 160 Amp	Low voltage	VYMALV	1.0535
For Connection capacity 200 amp and greater	Low voltage	VYHALV	1.0465
For Connection capacity greater than 200 Amp	High voltage	VYHAHV	1.0320
V60 individually priced Consumers		SPEC	Site specific (default 1.0320)

Explanatory Note:

- 1 Loss Factors will be applied to the metered energy consumption or estimated energy consumption measured at the ICP.
- 2 Loss Factors applicable to V60 Consumers are calculated on a site by site basis.
- 3 "Low Voltage" means metered at 230V single phase or 400V three phase, or unmetered;
- 4 "High Voltage" means metered at 6.6kV or higher voltage.

3.2 Tauranga Distribution Network:

a. For ICPs supplied from GXPs at Tauranga, Mt Maunganui and Te Matai.

Capacity and Voltage Connection	CODE	Factor 33KV GXP	CODE	Factor 11KV GXP
Low Voltage Single Phase Connection metered at Low Voltage	TSPLV3	1.070	TSPLV1	1.065
Low Voltage Three Phase Connection metered at Low Voltage	TTPLV3	1.070	TTPLV1	1.065
Transformer Connection metered at Low Voltage	TXCLV3	1.048	TXCLV1	1.043
High Voltage Connection metered at Low Voltage	THVLV3	1.048	THVLV1	1.043
Transformer Connection metered at High Voltage	TXCHV3	1.033	TXCHV1	1.028
High Voltage Connection metered at High Voltage	THVHV 3	1.033	THVHV1	1.028

Explanatory Note:

- 1 Loss Factors will be applied to the metered energy consumption or estimated energy consumption measured at the ICP.
- 2 Loss Factors applicable to V60 Consumers are calculated on a site by site basis.
- 3 "Low Voltage" means metered at 230V single phase or 400V three phase, or unmetered;

4 "High Voltage" means metered at 6.6kV or higher voltage.

Schedule Two: Eastern Region Billing and Settlement Process

1 Payment Methodology

1.1 Both the Distributor and the Retailer recognise that the process of calculating accurate Line Charges is dependent on the prompt and accurate supply of information by the Retailer to both industry bodies and to the Distributor.

2 Definitions

- 2.1 **"Current Month"** is the month in respect to which the Charges to the Retailer are being invoiced.
- 2.2 "Base Month" is the month prior to the Current Month.
- 2.3 **"Payment Month"** is the month in which the Retailer must remit money in respect to the Current Month's Charges. For electricity Retailers the Payment Month is the month following the Current Month.
- 3 Assessed Charge (or Provisional Invoice)
- 3.1 An Assessed Charge means an assessment of the total Line Charges for the Network. An Assessed Charge for lines services supplied during the Current Month will be the same as the charge for the Base Month with the following adjustments:
- 3.2 Variable Line Charges will be adjusted pro-rata according to the change in network injection between the Base Month and the Current Month. The network injection will be the total Injection Point volumes reported for each Injection Point by the Reconciliation Manager, plus the volumes where applicable for any Embedded Generation. An adjustment will be made for summer/winter tariffs.
- 3.3 **Fixed Line Charges** will be adjusted by the number of days in the Current Month relative to the Base Month to the extent that daily charges apply.
- 3.4 Both variable and fixed Line Charges will be adjusted to reflect any price changes between the Base Month and the Current Month.

4 Retailer's Responsibility for Points of Connection

- 4.1 The Retailer must adhere to the processes set out in the Network Agreement and any relevant Powerco policy when establishing or altering the physical status of a Point of Connection.
- 4.2 The Distributor will maintain a database of Points of Connection, which will be used as the basis for billing associated fixed charges. The Retailer may request, for all Points of Connection for which the Distributor has the Retailer listed as being responsible, an electronic copy of the relevant part of the database.
- 4.3 For electricity Points of Connection, the Distributor uses the information held by the registry appointed under the Electricity Governance Rules to determine which Retailer is responsible for a Point of Connection and the status of the Point of Connection.

5 Variable Charge Adjustments

5.1 If the Retailer wishes to provide updated Consumption Data and have the Distributor reallocate variable Line Charges, it must do so within 12 months of the original billing date.

6 Payment of Charges

6.1 The Retailer will pay the Charges as follows:

Electricity Charges to be Paid in Arrears: The Retailer is invoiced, at the Distributor's discretion, on the basis that Line Charges:

- will be assessed by adjusting the Base Month's charges, and then recalculating them when more accurate consumption information is available.
 This process is described under the assessed billing option for electricity in Paragraph 7.2 of this Schedule; or
- b. are calculated on the basis of reliable consumption figures supplied by the Retailer. This process is described under actual billing option for electricity in Paragraph 7.3 of this Schedule.
- 6.2 If at any time a Retailer fails to provide reliable Consumption Data, or is late with the provision of Consumption Data, the Distributor may at its sole discretion use the assessed billing option for determining Line Charges payable by that Retailer.

7 Billing Options

7.1 The Distributor determines whether billing is conducted on an assessed or actual basis.

7.2 Assessed Billing Option for Electricity

- a. The Distributor will calculate the Assessed Charge for the Current Month.
- b. The account for the Assessed Charge will be sent to the Retailer by the 9th working day of the Payment Month and will be payable on the 20th day of the Payment Month. If the Distributor fails to send an invoice to the Retailer by the 9th working day of the Payment Month then the due date for payment will be extended by one working day for each working day that the invoice is late.
- c. The Retailer will provide to the Distributor reliable Consumption Data for for each ICP for which it has been responsible at any time in the Current Month, in the form prescribed in the Network Agreement and any relevant Powerco policy.
- d. This data will be provided to Distributor by the 5th working day of the Payment Month.
- e. The Distributor will calculate Line Charges on the basis of the information supplied by the Retailer and will adjust the account for any Assessed Charges already billed. The net amount of this invoice or credit note is called the Adjustment Amount.

Da

f. A Use of Money Adjustment shall be calculated as the Adjustment Amount multiplied by one-twelfth of the Use of Money Rate. The Use of Money Rate will be the Interest Rate as defined in this Agreement for the first working day of the Payment Month, plus two percentage points.

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g. The invoice or credit note for the Adjustment Amount, plus the Use of Money Adjustment (charge or credit), will be sent to the Retailer with the next month's provisional invoice. This invoice (or credit note as the case may be) will be due for settlement on the 20th day of the Payment Month.

7.3 **Actual Billing Option for Electricity**

- 7.4 The Retailer will provide to the Distributor reliable figures in accordance with the Network Agreement and any relevant Powerco policy for Consumption Data for each ICP for which it has been responsible at any time in the Current Month, in the form prescribed by the Distributor. This Consumption Data will be provided by the Retailer on or before the 5th working day of the Payment Month.
- 7.5 The Distributor will calculate Line Charges by reference to Consumption Data provided, and the number of days connected.
- 7.6 The account for Line Charges will be sent to the Retailer by the 9th working day of the Payment Month, and will be payable on the 20th day of that same month. If the Distributor fails to send an invoice to the Retailer by the 9th working day of the Payment Month then the due date for payment will be extended by one working day for each working day that the invoice is late.

8 Calculation of Variable Charges

8.1 Provisional invoices for Line charges are issued each month to the Retailer in respect of the previous month. Actual invoices, based on Consumption Data, are issued and are payable, in respect of each month, in the month following the provisional invoice – a reversal of the provisional invoice is shown when the actual invoice is raised.

9 Wash-ups and Reconciliation

- 9.1 Both the Distributor and the Retailer recognise that the cyclical nature of meter reading makes it impractical to provide completely accurate figures for consumption for each Point of Connection within the timeframe required for payment of Line Charges. It is, therefore, necessary to provide a structure for subsequent "wash-ups".
- 9.2 With respect to the fixed charges, where the Distributor's database or the information held by the Registry appointed under the Electricity Governance Rules is updated retrospectively subsequent to the 4th working day following the Current Month, the Distributor will re-allocate fixed Line Charges between retailers within 180 days of the retrospective change being made. No re-allocation of Line Charges will be retrospectively adjusted after more than one year has elapsed from the actual billing due date.
- 9.3 With respect to the variable Line Charges, where the Retailer provides a new file of Consumption Data after the due dates specified in Paragraph 1 of this Schedule, or the Retailer's share of load at the Injection Point is amended after that time, the Distributor will re-allocate variable charges consistent with the methodology described in Paragraph 1 of this Schedule within 180 days of the retrospective change

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being made. No re-allocation of Line Charges will be retrospectively adjusted after more than one year has elapsed from the actual billing due date.

- 9.4 A Use of Money Adjustment may be calculated as the wash-up amount multiplied by one-twelfth of the Use of Money Rate for each of the months from the due date of the original invoice to the date of settlement of the wash-up amount. The Use of Money Rate will be the Interest Rate for the 1st working day of the settlement month, plus two percentage points.
- 9.5 Payment of wash-up accounts or wash-up refund credit notes plus the Use of Money Adjustment (charge or credit), as appropriate, will be due/applied on the next 20th day of the month after the date of the invoice, or credit note; or 10 working days following the date of the invoice or credit note, whichever is the later.

10 Eastern Wash-up schedule

Calendar Month	Initial Billing	6 Month Wash-up	12 Month Wash-up
Apr-07	Mar-07	Sep-06	Mar-06
May-07	Apr-07	Oct-06	Apr-06
Jun-07	May-07	Nov-06	May-06
Jul-07	Jun-07	Dec-06	Jun-06
Aug-07	Jul-07	Jan-07	Jul-06
Sep-07	Aug-07	Feb-07	Aug-06
Oct-07	Sep-07	Mar-07	Sep-06
Nov-07	Oct-07	Apr-07	Oct-06
Dec-07	Nov-07	May-07	Nov-06
Jan-08	Dec-07	Jun-07	Dec-06
Feb-08	Jan-08	Jul-07	Jan-07
Mar-08	Feb-08	Aug-07	Feb-07

Schedule Three: Western Region Billing and Settlement Process

1 Invoicing of Retailers & Directly Contracted Consumers

- 1.1 The invoice to each Retailer will detail each group of E1 Connections (per GXP), each E100 Connection and each E300 Connection supplied by that Retailer. Those large Consumers that are contracted directly with the Distributor on Network Connection Contracts will be billed directly.
- 1.2 The standard monthly data provision and billing timeline is as follows:

3 rd business day	Processing of previous months wash-up files
4 th business day (4:00 pm)	E300 & E100 Connection kWh and kVAh half hour quantities for the previous month received from Retailers
5 th business day (4:00pm)	Data files (kVA) produced for E300 & E100 ICPs and forwarded to Billing
6 th -7 th business days	Invoices produced for E300 & E100 ICPs and sent to Retailers or direct customers as applicable
8 th business day (4:00pm)	E1 data files and a rerun of E300 & E100 data files are produced and forwarded to Billing
9 th -10 th business days	Invoices produced for Retailers
Last business day of month	Wash-up files produced and forwarded to billing

2 Source of Quantities for invoicing of Western Region Line Charges

- 2.1 The method and structure of Line Charges determines what quantities are required for billing purposes.
- 2.2 The Distributor uses E100 and E300 Consumer Consumption Data in relation to the Distribution Network as well as residual GXP summation data to derive the quantities necessary for monthly billing of its Line Charges.
- 2.3 This data is deemed accurate, acceptable to all parties and readily available through the Reconciliation Manager (RM). In using data supplied by the RM, the Distributor applies the RM wash-up files when generated as part of the RM wash-up cycle. Should the data be unavailable from the RM then the Distributor will produce an estimated invoice based on either the previous month's data or the data for the same month in the previous year, whichever is deemed appropriate by the Distributor, (seasonally adjusted at the Distributor's discretion) and this will be adjusted when RM data becomes available.
- 2.4 In situations where data is not available through the RM (e.g. totally Embedded Generation that is not reconciled) the Distributor will obtain metered data through appropriate agreements and converted to GXP based data by applying the appropriate Distribution Network Loss Factor(s).
- 2.5 For E300 and E100 Price Categories site metered data will be obtained through appropriate agreements and adjusted to GXP based data by adding the appropriate

- distribution network loss factors. (This Time of Use (TOU) metering data should mirror the data being submitted into the RM process).
- 2.6 For TOU metered connections new to the E300 and E100 Price Categories any historic TOU metering data up to 12 months previous (if available) must be provided prior to the start date. If unavailable then metering data will need to be provided from the start date. For new ICPs, data will be applied from the date of connection.
- 2.7 To establish the quantities for the E1 Price Category, the half hour E300 and E100 group loads are subtracted from the half hour gross load at the GXP (gross load = busload + Embedded Generation data).
 - a. E1 group = GXP gross load (E300+E100 groups)
- 2.8 A GXP peak waiver process may be applied as part of the calculation of the E1 groups' peak demand given that load shifting between interconnected GXPs can occur and may create an abnormal demand.
- 2.9 The Retailer must provide TOU metering data to the Distributor or the Distributor's nominated agent in the format specified within 4 business days from the end of the prior month ("the due date for data") for any Connection within the E300 and E100 Price Categories. If TOU metering data is not provided within the timeframe or if it is proven by the Distributor to be inaccurate, then the Connection may (if preferred over other options available to the Distributor) be removed from the invoicing run and (if that occurs) the data will be invalidated for Network invoicing in that group until such time as accurate data is provided. Should the data not be remedied by business day 8 then the charges will be determined by an estimate based on the previous month's data or the data for the same month in the previous year, as considered appropriate by the Distributor.
- 2.10 TOU metering data received by the Distributor after the due date for data, may be subject to a Late Consumption Data Fee.
- 2.11 Inaccurate Connection TOU metering data, if not corrected prior to the E1 group data file run on business day 8, will impact on and may be included in the Line Charges invoiced to the E1 Price Category. Should individual Connection TOU metering data provided be used to create Line Charges and is then found to be inaccurate, the Distributor reserves the right to decide if any adjustment of Line Charges based on the individual Connection TOU metering data will be actioned.

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Western Wash-up Schedule 3

Billing Month	Wash-ups			Billing Month	Wash-ups		
	Actual		December 2006		Actual		June 2007
	1 month	w/u 1	November 2006	_	1 month	w/u 1	May 2007
000	3 month	w/u 2	September 2006	300	3 month	w/u 2	March 2007
Jan 2007	7 month	w/u 3	May 2006	Jul 2007	7 month	w/u 3	November 2006
JE	18 month	w/u 4	June 2005	ſ	18 month	w/u 4	December 2005
	24 month	w/u 5	December 2004		24 month	w/u 5	June 2005
	Actual		January 2007	7	Actual		July 2007
207	1 month	w/u 1	December 2006	2002	1 month	w/u 1	June 2007
Feb 2007	3 month	w/u 2	October 2006	Aug 2007	3 month	w/u 2	April 2007
Fe	7 month	w/u 3	June 2006	Αī	7 month	w/u 3	December 2006
	18 month	w/u 4	July 2005		18 month	w/u 4	January 2006
	24 month	w/u 5	January 2005		24 month	w/u 7	July 2005
	Actual		February 2007		Actual		August 2007
700	1 month	w/u 1	January 2007	707	1 month	w/u 1	July 2007
Mar 2007	3 month	w/u 2	November 2006	Sep 2007	3 month	w/u 2	May 2007
Ma	7 month	w/u 3	July 2006	Sej	7 month	w/u 3	January 2007
	18 month	w/u 4	August 2005		18 month	w/u 4	February 2006
	24 month	w/u 5	February 2005		24 month	w/u 5	August 2005
	Actual		March 2007		Actual		September 2007
007	1 month	w/u 1	February 2007	700	1 month	w/u 1	August 2007
Apr 2007	3 month	w/u 2	December 2006	Oct 2007	3 month	w/u 2	June 2007
Apı	7 month	w/u 3	August 2006	00	7 month	w/u 3	February 2007
	18 month	w/u 4	September 2005		18 month	w/u 4	March 2006
	24 month	w/u 5	March 2005		24 month	w/u 5	September 2005
7	Actual		April 2007	7	Actual		October 2007
500	1 month	w/u 1	March 2007	200	1 month	w/u 1	September 2007
May 2007	3 month	w/u 2	January 2007	Nov 2007	3 month	w/u 2	July 2007
Σ	7 month	w/u 3	September 2006	Z	7 month	w/u 3	March 2007
	18 month	w/u 4	October 2005		18 month	w/u 4	April 2006
	24 month	w/u 5	April 2005		24 month	w/u 5	October 2005
	Actual		May 2007	4	Actual		November 2007
307	1 month	w/u 1	April 2007	Dec 2007	1 month	w/u 1	October 2007
Jun 2007	3 month	w/u 2	February 2007	% Z	3 month	w/u 2	August 2007
Jui	7 month	w/u 3	October 2006	De	7 month	w/u 3	April 2007
	18 month	w/u 4	November 2005		18 month	w/u 4	May 2006
	24 month	w/u 5	May 2005		24 month	w/u 5	November 2005

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Schedule Four: Eastern Un-metered Supply Schedule

1 Introduction

- 1.1 As referred to in Part C, paragraphs 21 and 23, this schedule provides Retailers with information relating to charging un-metered ICP's.
- 1.2 The Eastern region is split into two distribution networks for un-metered supply:
 - a. Valley Distribution Network.
 - b. Tauranga Distribution Network.

2 The Charge Process

- 2.1 Un-metered supply charges are determined by three factors:
 - a. the wattage of the Installation;
 - b. the length of time the Installation is turned on for in a month; and
 - c. the number of Installations each ICP has.
- 2.2 Charge codes are allocated to each ICP depending on the type of Installation or supply it has installed. Some ICP's may have a number of Installations under the same charge code and/or a variety of charge codes associated with it.
- 2.3 There are three types of charge calculations for un-metered sites:

Site description	Charging Calculation
Sites that run on night hours only	No. of Installations
	x Monthly Night Hours
	x Units/Input Wattage
	x Rate
Sites that run 24 hourly	No. of Installations
	x Days in Month
	x Units/Input Wattage
	x Rate
Fixed charges using a daily rate	No. of Installations
	x Days in Month
	x Rate

- 2.4 Charges for un-metered supply are determined by:
 - a. Consumption for un-metered supply other than street installations (V01 and T01) is determined on a case-by-case basis, dependent on the load profile. A minimum load factor of 10% will be applied to the input wattage.
 - b. Consumption for each un-metered streetlight (V02 and T02) is determined by multiplying the input wattage for the ICP's charge code by the number of night hours for that month.
 - c. The wattage for un-metered supplies (V01, V02, T01 and T02) is charged based on the greater of their actual input wattage or 50 watts.

3 Night Hours

Month	Night Hours in Valley & Tauranga
January	298
February	296
March	360
April	386
May	428
June	430
July	438
August	412
September	365
October	341
November	298
December	289

4 Valley Charge Code Table

Charge Code	Description of Light	Wattage	Units/ Input Wattage	Consumption
L01	Twin Fluorescent	30W	0.083	No. of installations x monthly night hours x 0.083
L02	Mercury Vapour	80W	0.096	No. of installations x monthly night hours x 0.096
L02.151	Mercury Vapour	80W	0.151	No. of installations x monthly night hours x 0.151
L03	Incandescent	100W	0.1	No. of installations x monthly night hours x 0.1
L04	Sodium Vapour	50W HPS	0.056	No. of installations x monthly night hours x 0.056
L05	Sodium Vapour	135W LP	0.15	No. of installations x monthly night hours x 0.15
L06	Sodium Vapour	150W HPS	0.168	No. of installations x monthly night hours x 0.168
L06.83	Sodium Vapour	150W HPS	0.083	No. of installations x monthly night hours x 0.083
L08	Mercury Vapour	250W	0.288	No. of installations x monthly night hours x 0.288
L08.262	Mercury Vapour	250W	0.262	No. of installations x monthly night hours x 0.262
L09	Sodium Vapour	250W HPS	0.262	No. of installations x monthly night hours x 0.262
L10	Sodium	250W Special	0.262	No. of installations x monthly night hours x 0.262
L11	Sodium Vapour	70W HPS	0.082	No. of installations x monthly night hours x 0.082
L12	Mercury Vapour	50W	0.065	No. of installations x monthly night hours x 0.065
L13	Mercury Vapour	125W	0.1375	No. of installations x monthly night hours x 0.1375
L14	Sodium	150W	0.168	No. of installations x monthly night hours x 0.168
L15	Twin	20W	0.04	No. of installations x monthly night hours x 0.04
	Fluorescent			, ,
L16	Mercury Vapour	250W	0.288	No. of installations x monthly night hours x 0.288
L17	Halogen	500W	0.55	No. of installations x monthly night hours x 0.55
L18	Sodium Vapour	70W HPS	0.082	No. of installations x monthly night hours x 0.082
L19	Sodium Vapour	150W HPS	0.168	No. of installations x monthly night hours x 0.168
L20	Sodium Vapour	100W HPS	0.115	No. of installations x monthly night hours x 0.115
L21	Metal Halide	70W	0.082	No. of installations x monthly night hours x 0.082
L22	Metal Halide	100W	0.114	No. of installations x monthly night hours x 0.114
L23	Metal Halide	250W	0.272	No. of installations x monthly night hours x 0.272
L32	Incandescent	100W	0.1	No. of installations x monthly night hours x 0.1
L33	Spotlight		0.06	No. of installations x monthly night hours x 0.06
L34	Fluorescent	26W	0.033	No. of installations x monthly night hours x 0.033
L36	Miscellaneous	100W	0.1	No. of installations x monthly night hours x 0.1
L37	Miscellaneous	300W	0.3	No. of installations x monthly night hours x 0.3
L38	Miscellaneous	50W	0.05	No. of installations x monthly night hours x 0.05
L39	Playground Lighting	100W	0.1	No. of installations x monthly night hours x 0.1
L40	Sodium Vapour	90W LP	0.115	No. of installations x monthly night hours x 0.115
L41	Lighting	100W	0.1	No. of installations x monthly night hours x 0.1
L42	Fixed Charge		0.1	No. of installations x days in month x 0.1
L42.750	Fixed Charge		0.75	No. of installations x days in month x 0.75
L43	Fixed Charge		2.4	No. of installations x days in month x 2.4
L44	Blasting Monitor		0.05	No. of installations x days in month x 0.05
L45	Sodium Vapour	400 HPS	0.434	No. of installations x monthly night hours x 0.434
L46	Fixed Charge		1.2	No. of installations x days in month x 1.2

Charge	Description of	Wattage	Units/	Consumption
Code	Light		Input	
T 40	E. 1 Cl		Wattage	N. C. alla.
L49	Fixed Charge Telecom		14.4	No. of installations x days in month x 1.2
L51	Cabinet		1.2	No. of installations x days in month x 1.2
L52	Comms		1.056	No. of installations x days in month x 1.056
	Repeater			, and the second
L53	Flow Meter	100W	2.64	No. of installations x days in month x 2.64
	Cabinet			
L54	Sodium Vapour	90W LP	0.115	No. of installations x monthly night hours x 0.115
L55	Metal Halide	150W	0.168	No. of installations x monthly night hours x 0.168
L56	Mercury Vapour	160W	0.176	No. of installations x monthly night hours x 0.176
L57	Incandescent	65W	0.65	No. of installations x monthly night hours x 0.65
L58	Fixed Charge	03 **	1.2	No. of installations x days in month x 1.2
L60	Decorative		0.5	No. of installations x monthly night hours x 0.5
200	Cross		0.0	Two of installations a monanty inght hours a old
L61	Fixed Charge –		0.96	No. of installations x days in month x 0.96
	Radio			
	Transmitter			
L61.25	Fixed Charge –		0.025	No. of installations x days in month x 0.025
	Radio			
	Transmitter			
L61.100	Fixed Charge –		0.1	No. of installations x days in month x 0.1
	Radio Transmitter			
	Transmitter			
L61.150	Fixed Charge –		0.15	No. of installations x days in month x 0.15
	Radio			
	Transmitter			
L65	Main Signals	300W	0.3	No. of installations x monthly night hours x 0.3
L66	Security Camera		3.6	No. of installations x days in month x 3.6
LF06	Fixed Charge		6.864	No. of installations x days in month x 6.864
LF11	Fixed Charge		12	No. of installations x days in month x 12
LM30	Fixed Charge	30W	1.992	No. of installations x days in month x 1.992
LM80	Fixed Charge	80W	2.304	No. of installations x days in month x 2.304
LM90	Fixed Charge	90W	2.76	No. of installations x days in month x 2.76
LT01	Fixed Charge		2.76	No. of installations x days in month x 2.76
M90	Fixed Charge	90W	2.76	No. of installations x days in month x 2.76
M135	Fixed Charge	135W	3.6	No. of installations x days in month x 3.6
M250	Fixed Charge	250W	6.288	No. of installations x days in month x 6.288
SLH1	Alarm		2.4	No. of installations x days in month x 2.4
SLH5	Battery Charger		2.4	No. of installations x days in month x 2.4
SLH6	Auto Gate		1.2	No. of installations x days in month x 1.2
GT T -	Control	1000***	1	
SLL5	Illuminated	1000W	1	No. of installations x monthly night hours x 1
CI NII	Sign		0.1	No of installations
SLN1	Toilet Lights	100W	0.1 1.344	No. of installations x monthly night hours x 0.1
SLP5	Phone Boxes 24hr	100 W	1.344	No. of installations x days in month x 1.344
SLU1	Speed Camera		2.4	No. of installations x days in month x 2.4
SLV1	Gas RTU		0.84	No. of installations x days in month x 2.4 No. of installations x days in month x 0.84
DL 1 I	Gas KTO	l	0.0-	110. Of mistalianons a days in month a 0.04

5 Tauranga Charge Code Table

Charge Code	Description of Light	Wattage	Units/ Input	Consumption
Code	Light		Wattage	
GN39	Beliesha Beacon		1	No. of installations x days in month x 1
S101	Sodium Vapour	70W HPS	0.082	No. of installations x monthly night hours x 0.082
SCT	Speed Camera		2.4	No. of installations x days in month x 2.4
TBT	Telecom Booth		1.344	No. of installations x days in month x 1.344
TCT	Telecom Cabinet		5.472	No. of installations x days in month x 5.472
TGGM	Security Camera		3.6	No. of installations x days in month x 3.6
TG01	Sodium Vapour	90W LP	0.115	No. of installations x monthly night hours x 0.115
TG02	Sodium	135W LP	0.15	No. of installations x monthly night hours x 0.15
TG03	Sodium Vapour	70W HP	0.082	No. of installations x monthly night hours x 0.082
TG04	Sodium Vapour	100W HP	0.115	No. of installations x monthly night hours x 0.115
TG05	Sodium Vapour	150W HP	0.168	No. of installations x monthly night hours x 0.168
TG06	Sodium Vapour	250W HP	0.262	No. of installations x monthly night hours x 0.262
TG07	Mercury Vapour	50W	0.065	No. of installations x monthly night hours x 0.065
TG08	Mercury Vapour	80W	0.096	No. of installations x monthly night hours x 0.096
TG09	Mercury Vapour	125W	0.157	No. of installations x monthly night hours x 0.157
TG1	Illuminated Sign		19.2	No. of installations x days in month x 19.2
TG10	Mercury Vapour	250W	0.288	No. of installations x monthly night hours x 0.288
TG11	Quartz Halide	250W	0.25	No. of installations x monthly night hours x 0.25
TG12	Incandescent	20W	0.2	No. of installations x monthly night hours x 0.2
TG13	Incandescent	100W	0.1	No. of installations x monthly night hours x 0.1
TG14	3ft Double Fluorescent		0.083	No. of installations x monthly night hours x 0.083
TG15	Flow Meter Cabinet	100W	2.64	No. of installations x days in month x 2.64
TG16	Sodium Vapour	50W HP	0.56	No. of installations x monthly night hours x 0.56
TG17		500W	0.57	No. of installations x monthly night hours x 0.57
TG18	Council Unmetered	1000W	24	No. of installations x days in month x 24
TG19	GL 500	100W Son E	0.115	No. of installations x monthly nights hours x 0.115
TG20	Kendelier	70W Son E	0.082	No. of installations x monthly night hours x 0.082
TG21	Kendelier	100W Son E	0.115	No. of installations x monthly night hours x 0.115
TG22	Floodlight	3000W	3	No. of installations x monthly night hours x 3
TG23	Radio Telemetry	100W	0.11	No. of installations x days in month x 0.11
TG24	Metal Halide	70W	0.082	No. of installations x days in month x 0.082
TG25	Metal Halide	150W	0.165	No. of installations x days in month x 0.165
TG26	Beacon light	6kw	6	No. of installations x days in month x 6
TG27	High Pressure Sodium	400W	0.434	No. of installations x monthly night hours x 0.434
TG30	PCM Site	200W	5.472	No. of installations x days in month x 5.472
TGB2	Bus Shelters	1392W	1.53	No. of installations x monthly night hours x 1.53
TGBS	Bus Shelters		5.568	No. of installations x days in month x 5.568
TGT1	Transmitter	50W	1.32	No. of installations x days in month x 1.32

Charge Code	Description of Light	Wattage	Units/ Input Wattage	Consumption
TGT2	Transmitter	1000W	1.1	No. of installations x days in month x 1.1
TGT3	Transmitter	115W	0.126	No. of installations x days in month x 0.126
TGT4	Unite	500W	0.3	No. of installations x days in month x 0.3
	Transmitter			·
TP20	Main Signals		1.32	No. of installations x days of month x 1.32
UVT	Under		0.126	No. of installations x monthly night hours x 0.126
	Verandah			