

**Powerco Electricity Distribution
Customised Price-Quality Path**

**Annual Price-Setting Compliance
Statement**

**2020 Assessment Period
(1 April 2019 – 31 March 2020)**

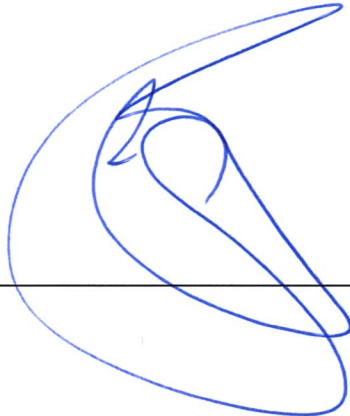
Powerco Limited

14 March 2019

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Director's Certificate

I, John Loughlin, being a director of Powerco Limited certify that, having made all reasonable enquiry, to the best of my knowledge and belief, the attached annual price-setting compliance statement of Powerco, and related information, prepared for the purposes of the Powerco Limited Electricity Distribution Customised Price-Quality Path Determination 2018 has been prepared in accordance with all the relevant requirements, and all forecasts used in the calculations for forecast revenue from prices and forecast allowable revenue are reasonable.



Director

14/3/19

Date

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1. Introduction

Powerco Limited's electricity distribution business (Powerco) is subject to regulation under the Commerce Act 1986. Pursuant to the requirements of this Act, the Commerce Commission (Commission) has set a customised price-quality path (CPP) which applies to Powerco from 1 April 2018 to 31 March 2023.

The customised price-quality path requirements used for this year's statement are set out in the Powerco Limited Electricity Distribution Customised Price-Quality Path Determination 2018. Before each 12-month assessment period, Powerco must demonstrate compliance with the price path specified in clause 8 of the Determination.

The Determination requires Powerco to provide an annual price-setting compliance statement (Statement) to the Commission. This Statement must include Powerco's forecasts of:

- forecast revenue from prices; and
- forecast allowable revenue

The Statement must also include supporting information for all components of these calculations. This information is discussed in Section 2.

As required by clause 11.2(a) of the Determination, this Statement confirms that Powerco has complied with the price path in clause 8 of the Determination for the 12-month assessment period ending 31 March 2020. A full list of compliance requirements and references in this document is contained in Attachment A.

Powerco completed this Statement on 14 March 2019. A copy is available at Powerco's principal office (Powerco, Level 2, 84 Liardet Street, New Plymouth). The Statement is published on Powerco's website (www.Powerco.co.nz) and additional copies can be provided on request.

2. Compliance Assessment

2.1. Summary

The price-path compliance requirement in clause 8.4 of the Determination provides that:

Forecast revenue from prices for each assessment period must not exceed the forecast allowable revenue for the assessment period

Powerco has complied with the price path for the Assessment Period 1 April 2019 to 31 March 2020 as demonstrated in Table 1.¹

Table 1: Demonstrating compliance with the price path

Forecast allowable revenue (\$000)	Forecast revenue from prices (\$000)	Compliance test result: <u>Complies</u>
402,403	402,290	Complies because forecast revenue from prices ≤ forecast allowable revenue

The remainder of this document contains more detail about the costs and assumptions that underpin these forecasts. Section 2.2 summarises the components of “*forecast allowable revenue*”. Section 2.3 and Attachment C provide information about forecast revenue from prices. Section 2.4 contains a more detailed breakdown of forecast allowable revenue.

2.2. Calculating forecast allowable revenue

The 2020 assessment period is the second annual assessment period under the CPP. Powerco’s ‘forecast allowable revenue’ for each annual assessment period is determined in accordance with the following formula²:

$$\begin{aligned}
 \text{Forecast allowable revenue} &= \text{Forecast net allowable revenue} \\
 &+ \text{Forecast pass-through and recoverable costs} \\
 &+ \text{Opening wash-up account balance}
 \end{aligned}$$

The calculation of Powerco’s forecast allowable revenue for the 2020 Assessment period is provided in Table 2.

¹ The figures in the pricing tables are in thousands of dollars. The underlying calculations are at the dollar level. This may cause apparent rounding inconsistencies in this document. These inconsistencies do not affect the overall compliance calculations which are based on the more accurate figures.

² Powerco Limited Electricity Distribution Customised Price-Quality Path Determination 2018, Schedule 1.4(5).

Table 2: Calculating Powerco's forecast allowable revenue

Powerco's forecast allowable revenue₂₀₂₀ = Forecast net allowable revenue + Forecast pass-through and recoverable costs + Opening wash-up account balance	
Calculation Components	Amount (\$000)
Forecast net allowable revenue₂₀₂₀	284,878
Forecast pass-through and recoverable costs	117,250
Opening wash-up account balance₂₀₂₀	275
Forecast allowable revenue₂₀₂₀	402,403

The three components of forecast allowable revenue for the 2020 Assessment period are described in more detail below.

Forecast net allowable revenue

Forecast net allowable revenue for the second assessment period is specified in Schedule 1.3 of the Determination. This amount is \$284,878,000.

Forecast pass-through and recoverable costs

This is Powerco's forecast of pass-through costs and forecast of recoverable costs for the year. These costs must be demonstrably reasonable. For the 2020 assessment period, the forecast amount is \$117,249,998. Section 2.4 provides more detail about how these forecast values were determined.

Opening wash-up account balance

The 'opening wash-up account balance' for the second assessment period of the CPP regulatory period, is \$275,152.

The opening wash-up account balance represents any under or over-recoveries of revenue resulting from differences between actual and forecast values in the prior year. This balance is adjusted for the time value of money specified by the Commission. Section 2.4.1 explains how this value was calculated.

2.3. Calculating forecast revenue from prices

Powerco's forecast revenue from prices is equal to the total of each of its prices multiplied by the forecast quantities they will apply to. The Determination requires that these forecasts are demonstrably reasonable.

Prices have fixed and volume components, so revenue forecasts require forecasts of the number of connections as well as volume. Forecasts are required for the next pricing year only, and

therefore rely on the levels and trends of recent actual data³. The quantity forecasts are developed using a 'bottom-up' approach at the tariff class level:

Table 3 summarises how quantity forecasts align with historic growth data at a regional level and indicates that the bottom-up forecasts align with historic growth rates. More detail about the methodology and the outputs is included in Attachment B.

Table 3: Summary of 2020 regional forecasts

Region	Forecast connections		Forecast volume (GWh)	
	2020 forecast (% change from 2019)	% growth range (2016- 2019)	2020 forecast (% change from 2019)	% growth range (2016-2019)
Eastern	1.6%	1.5% – 1.8%	1.1%	1.5% - 3.3%
Western	0.6%	0.5% – 0.7%	0.7%	(1.8%) - 1.8%

A summary of Powerco's forecast revenue from prices is included in Table 4. Attachment C contains the full table of prices and forecast quantities for the 2020 pricing year.

Table 4: Summary of Powerco's forecast revenue from prices

Region	Transmission*	Distribution	$\sum(P_{2020} \times Q_{\text{forecast 2020}})$
Eastern	62,966	134,328	197,294
Western	54,551	150,445	204,996
Total	117,517	284,773	402,290

*Powerco's forecast Transmission revenue includes all pass-through and recoverable costs (refer tables 6 and 7 below) and the opening wash-up account balance (refer table 2 above).

2.4. Analysis of the components and calculation of forecast allowable revenue

This section provides a breakdown of the components of forecast allowable revenue, In particular:

- forecast pass-through and recoverable costs, and
- the opening wash-up account balance.

'Forecast net allowable revenue' is specified in schedule 1.3 of the Determination so no calculation is necessary for this component of forecast allowable revenue.

2.4.1. Opening wash-up account balance

The value of the opening wash-up balance for the second assessment period relates to the unrecovered difference between forecast and actual pass-through costs and recoverable costs in

³ If the forecasts had a longer timeframe, such as 10+ years, then a forecasting methodology might also rely on the systemic factors that affect demand, such as population growth and GDP.

the previous Default Price-Quality Path (DPP) period. This difference is known as the pass-through balance (PTB).

When Powerco set prices for the first CPP assessment period the previous DPP regulatory period hadn't concluded, so an estimate of the closing DPP PTB was required. The opening wash-up account balance for the second CPP assessment period corrects this estimate, with one-year of time value adjustment applied to the difference.

With Powerco moving to a revenue cap form of control under a CPP, variances between actual and forecast allowable revenue will now result in a wash-up balance, it is no longer just pass-through costs and recoverable costs that are washed-up. The wash-up for the first CPP assessment period will be included in Powerco's allowable revenue for the third CPP assessment period.

2.4.2. Calculation of the opening wash-up account balance

The 'opening wash-up account balance' for the second assessment period is the closing wash-up account balance of the first assessment period.

The closing balance of the first assessment period is calculated in accordance with the following formula:⁴

Closing wash-up account balance of the first assessment period =

$$(Pass-through balance - the estimated amount of the pass-through balance at 31 March 2018 of \$264,000) \times (1 + 67th\ percentile\ estimate\ of\ post-tax\ WACC)$$

The calculation of Powerco's closing wash-up account balance of the first assessment period is provided in Table 5.

Table 5: Calculation of the closing wash-up account balance

Calculation Components	Description	Result (\$000)
add	Recovery from 2017 (adjusted for one period of TVM at the cost of debt)	(249)
add	Recovery from 2018 (no TVM adjustment)	(272)
equals	Pass through balance	(521)
less	Estimated amount of the pass-through balance at 31 March 2018	(264)
add	TVM at 67th percentile estimate of post-tax WACC (7.19%)	(18)
equals	Closing wash-up balance ²⁰¹⁹	(275)

The negative balance indicates that it is under recovered amount, so it treated as a positive number in the calculation of allowable revenue in Table 1.

⁴ Powerco Limited Electricity Distribution Customised Price-Quality Path Determination 2018, Schedule 1.6(2)(a)

2.4.3. Forecast pass-through and recoverable costs

The Determination requires forecasts of pass-through and recoverable costs. Tables 6 and 7 provide a breakdown of Powerco's forecast pass-through and recoverable cost forecasts for the year ending 31 March 2020. These total \$117,250,000.

Table 6: Forecast pass-through costs

Component	(\$000)
EA Levies	965
Commerce Commission Levies	821
UDL Levies	189
Council Rates	2015
Total forecast pass-through cost	3,990

Table 7: Forecast recoverable costs

Component	(\$000)
IRIS incentive adjustment	(998)
Transpower Connection Charges	17,922
Transpower Interconnection Charges	83,220
Transpower New Investment Charges	6,905
Distributed generation allowance (ACOT)	5,512
Quality incentive adjustment	347
Capex wash-up adjustment	351
Total forecast recoverable costs	113,260

2.4.4. Demonstrating the forecasts of pass-through costs and recoverable costs are reasonable

Schedule 1.4 (3) of the Determination requires that all forecasts of pass-through costs and recoverable costs used to calculate 'forecast allowable revenue' must be "demonstrably reasonable".

Tables 8 and 9 summarise the methodology Powerco has applied to determine its forecasts of pass-through and recoverable costs. In Powerco's opinion all of these methods deliver acceptable forecasts in the context they are used.

Table 8: Method of forecasting pass-through costs

Pass-through Cost component	Forecasting Methodology
EA Levies	Forecast is a combination of current and proposed levy rates
Commerce Commission Levies	Forecast is a combination of current and projected levy amounts

EGCC Levies	Forecast is based on historical costs
Council Rates	Forecast is based on historical costs

Table 9: Method of forecasting recoverable costs

Recoverable cost component	Forecasting Methodology
IRIS incentive adjustment	Forecast based on CPP BBM model
Transpower Connection Charges	As notified by Transpower
Transpower Interconnection Charges	As notified by Transpower
Transpower New Investment Charges	As notified by Transpower
Distributed generation allowance (ACOT)	Based on demand levels and Transpower's interconnection charge for 2019/20 pricing year
Quality incentive adjustment	Determined for 2017/18 regulatory year (adjusted for time value of money)
Capex wash-up adjustment	Forecast using the Input Methodologies formula

Attachment A: Compliance References

The following tables describe the Determination requirements and the section of this Statement that addresses them.

Table B.1: Price Path Summary

Determination clause	Requirement	Section of this document
8.4	The forecast revenue from prices for each assessment period must not exceed the forecast allowable revenue for the assessment period	2.1

Table B.2: Annual price-setting compliance statement

Determination clause	Requirement	Section of this document
An annual price-setting compliance statement must be provided to the Commission consisting of:		
11.2 (a)	A statement indicating whether or not Powerco has complied with the price path in clause 8 for the assessment period	1
11.2 (b)	The date on which the Statement was prepared	Cover
11.2 (c)	A certificate in the form set out in Schedule 6, signed by at least one director of Powerco	Page 3
11.3 (a)	Powerco's calculation of its forecast revenue from prices together with supporting information for all components of the calculation	2.3, Attachments B and C
11.3 (b)	Powerco's calculation of its forecast allowable revenue together with supporting information for all components of the calculation	2.2, 2.4
11.3 (c)	Any reasons for non-compliance with the price path	N/A
11.3 (d)	Actions taken to mitigate any non-compliance and to prevent similar non-compliance in future assessment periods	N/A

Attachment B: Quantity forecasting

Calculating forecast revenue from prices requires Powerco to prepare a forecast of quantities for the year ahead that are used for pricing.

Prices have fixed and volume components, so revenue forecasts require forecasts of the number of connections as well as volumes (kW and kWh). Forecasts are required for the next pricing year only, and therefore largely rely on the levels and trends of recent actual data.

Forecasts of connections and quantities use a bottom up approach for each tariff group.

- Forecasts of regional connections are determined using current connections and applying an estimated growth rate for the region using the average growth rates over the previous three years as a guide.
- Volume and demand forecasts are calculated by determining the average volume (demand) per connection for each and every price category (and tariff code) over the previous five years and multiplying it by the relevant connection forecast.
- In situations where we determine that the average volume over the previous five years is not appropriate to use as a forecast (such as in the case of closed price categories or “one-off” events), Powerco uses the average volumes from the immediately preceding 12 months to generate the forecast.

Tables B.1 to B.8 below demonstrate that our connection and volume forecasts are consistent with actual historical growth rates.

Table B.9 outlines our forecasting methodology in instances where the average volume over the previous five years is not appropriate to use as a forecast.

Table B.1: Connection Growth – Eastern Region

Customer Group	Actual Growth				2020 Forecast (YE March)		Comment
	2015/16	2016/17	2017/18	2018/19	Growth	Connections	
Small	1.7%	1.9%	1.8%	1.9%	1.9%	159,770	Consistent with historical growth
Medium	3.5%	3.8%	4.4%	4.7%	4.4%	1,298	Consistent with historical growth
Large	5.0%	0.3%	0.9%	3.3%	1.5%	358	Based on known connections
Overall	1.7%	1.9%	1.8%	2.0%	1.9%	161,425	

Table B.2: Connection Growth – Western Region

Customer Group	Actual Growth				2020 Forecast (YE March)		Comment
	2015/16	2016/17	2017/18	2018/19	Growth	Connections	
Small	0.5%	0.7%	0.8%	0.6%	0.7%	173,242	Consistent with historical growth
Medium	-2.2%	-1.3%	-0.5%	-1.3%	-1.0%	214	Consistent with historical growth
Large	0.3%	0.0%	0.0%	0.7%	0.2%	271	Based on known connections
Overall	0.5%	0.7%	0.8%	0.6%	0.7%	173,727	

Table B.3: Average Volumes (kWh) per connection – Eastern Region

Customer Group	Actual (year ending March)				2020 Forecast (YE March)		Comment
	2016	2017	2018	2019	kWh	Growth	
Small	7,864	7,813	7,854	7,821	7,710	-1.4%	Declining average household consumption reflects historical trends
Medium	138,270	137,192	134,799	133,162	132,112	-0.8%	Reflects historical trend. Drivers unknown
Large	2,897,966	2,931,055	2,900,199	3,015,150	2,974,516	-1.3%	Included for completeness. Does not impact pricing & revenue because charges are not based on consumption
Overall	15,275	15,258	15,194	15,438	15,286	-1.0	

Table B.4: Total Volume (GWh) – Eastern Region

Customer Group	Actual (year ending March)				2020 Forecast (YE March)		Comment
	2016	2017	2018	2019	GWh	Growth	
Small	1,160	1,170	1,199	1,213	1,221	0.6%	Higher connection growth offsets declining average consumption
Medium	149	154	156	162	168	4.0%	Higher connection growth offsets declining average consumption
Large	963	983	987	1,044	1,057	1.2%	Higher connection growth offsets declining average consumption
Overall	2,271	2,307	2,342	2,419	2,446	1.1%	

Table B.5: Average Volumes (kWh) per connection – Western Region

Customer Group	Actual (year ending March)				2020 Forecast (YE March)		Comment
	2016	2017	2018	2019	kWh	Growth	
Small	9,349	9,066	9,103	9,172	9,133	-0.4%	Declining average household consumption reflects historical trends
Medium	430,754	426,914	438,739	433,649	433,631	0.0%	No change
Large	2,427,840	2,417,990	2,386,116	2,445,409	2,488,920	1.9%	Included for completeness. Does not impact pricing & revenue because charges are not based on consumption
Overall	13,743	13,421	13,380	13,508	13,532	0.2%	

Table B.6: Total Volume (GWh) – Western Region

Customer Group	Actual (year ending March)				2020 Forecast (YE March)		Comment
	2016	2017	2018	2019	GWh	Growth	
Small	1,572	1,533	1,552	1,576	1,577	0.1%	Higher connection growth offsets declining average consumption
Medium	97	95	96	94	93	-1.3%	Reflects decreasing connection numbers
Large	648	648	639	657	673	2.4%	Positive connection growth combined with increasing average consumption
Overall	2,318	2,276	2,287	2,327	2,343	0.7%	

Table B.7: Average Chargeable Demands* (kW) per connection – Western Region

Customer Group	Actual (year ending March)				2020 Forecast (YE March)		Comment
	2016	2017	2018	2019	kW	Growth	
Small	23.0	21.7	21.5	22.4	22.2	-0.8%	Average demands trending downwards (demand charge no longer applies from 2019/20 but quantities used to derive the peak TOU price)
Medium	1,748	75,011	74,488	73,933	74,586	0.6%	Forecast based on known demands (historical demands used for charges)
Large	6,514	275,012	266,054	251,591	225,668	-10.4	Forecast based on known demands (historical demands used for charges)
Overall	8,285	350,045	340,564	325,546	300,276	-7.9%	

Table B.8: Total Chargeable Demand* (GW) – Western Region

Customer Group	Actual (year ending March)				2020 Forecast (YE March)		Comment
	2016	2017	2018	2019	2020	2020	
Small	3,875	3,668	3,658	3,841	3,832	-0.2%	Average demand decreases offset positive connection growth
Medium	395	16,665	16,319	16,063	16,033	-0.7%	Based on known demands
Large	1,739	73,703	71,303	67,588	61,012	-9.9%	Based on known demands
Overall	6,010	94,037	91,280	87,492	80,877	-7.8%	

* The figures in Tables B.7 and B.8 are the sum of the relevant chargeable demands used for pricing – they are not peak demand values or forecasts. The tables have a step change in the kW/GW values for the medium and large customers. This is because the pricing methodology for those customers changed in 2016, moving from maximum monthly demands (12 values) to maximum daily demands (365 values). The values in the tables reflect the demand we use for revenue calculations, and have a step change as a result for the medium and large customer groups.

Table B.9: Forecast exceptions

Region	Customer Group	Price Category	Charge Type	Forecast methodology / comment
Western	Small	E1	Variable Charges	Three years of historical data only used due to limited historical 'Peak' volume data.
Western	Medium	E100	Variable Charge	Latest 12 months of data used to estimate 2019/20 quantities due to lack of accurate historical data.
Western	Medium	E100	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Western	Large	E300	Variable Charge	Latest 12 months of data used to estimate 2019/20 quantities due to lack of accurate historical data.
Western	Large	E300	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Western	Large	SPECIAL	Variable Charge	Latest 12 months of data used to estimate 2019/20 quantities due to lack of accurate historical data.
Western	Large	SPECIAL	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Small	T01	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Small	T02	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Small	T05S	Variable Charge	Used weighted average of T05U & T05C quantities and assumed peak / off peak consumption of 29% / 71% to allocate peak / off peak consumptions
Eastern	Small	T06S	Variable Charge	Used weighted average of T06U & T06C quantities and assumed peak / off peak consumption of 29% / 71% to allocate peak / off peak consumptions
Eastern	Medium	T22	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Medium	T41	Variable Charge	Latest 12 months of used due to change in historical seasonal definition.
Eastern	Medium	T41	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	T43	Variable Charge	Latest 12 months of used due to change in historical seasonal definition.
Eastern	Large	T43	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	T50	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	T50	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	T60	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	T60	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Small	V01	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Small	V02	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Small	V05S	Variable Charge	Used weighted average of V05U & V05C quantities and assumed peak / off peak consumption of 29% / 71% to allocate peak / off peak consumptions
Eastern	Small	V06S	Variable Charge	Used weighted average of V06U & V06C quantities and assumed peak / off peak consumption of 29% / 71% to allocate peak / off peak consumptions
Eastern	Medium	V24	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Medium	V24	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Medium	V28	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Medium	V28	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Medium	V28	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	V40	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	V40	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	V60	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	V60	Power Factor Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.
Eastern	Large	V601	Variable Charge	Latest 12 months of data used due to inherent volatility of data to improve accuracy of forecast.

Approach to forecasting kWh quantities for small customers

Over recent years, the structure and level of distribution pricing has received attention from regulators, retailers, and other stakeholders. In the past, our prices for residential and small commercial customers had a time-of-use (TOU) component of their total distribution charge. A day/night structure applied, where prices were lower overnight than in the day. This year we have modified this structure as outlined in our pricing methodology and public advertisements⁵ and summarised in the table below.

Consumption levels can be affected by price structures and levels. This can affect consumption in aggregate, as well as at points in time when different prices might apply. Consumption is also affected by how distribution prices and other prices are bundled by a consumer's retailer, as well as external factors such as temperature and a consumer's individual circumstances. The table below summarises how the changes to our pricing has been incorporated in to our quantity forecasts this year.

Issue	Comment
<p>Summary of price changes that might affect quantity forecasts</p>	<p>Eastern Network: TOU pricing trial extended to the entire network for all mass market customers with communicative advanced metering. Retailers can apply for a temporary exemption to TOU pricing if they are unable to supply TOU information. Due these exemptions and limited advanced metering availability a TOU charge will apply for approximately 40% of customers.</p> <p>Western network: The peak demand charge (\$/kW/month) has been replaced with a c/kWh price which reflects the same effective cost given the definition of the peak period.</p> <p>For both networks</p> <ul style="list-style-type: none"> - the peak charge reflects an estimate of Transpower's charges. - Retailers are not required to pass-through to customers the TOU prices we provide retailers
<p>Forecasting approach</p>	<p>Annual volumes (Eastern and Western): Annual volumes are based on growth of ICPs and the historic trend of average kwh per annum - no adjustment has been made to reflect an impact of the pricing change. The TOU trial results were inconclusive about the unique impact of TOU prices on annual volumes (annual average volume increased slightly, and the standard deviation was high). This supports the approach taken for 2020.</p> <p>Within-year allocation of peak/off-peak volumes <i>Eastern region.</i> We have assumed that average annual volumes will reflect the volumes from the TOU pricing trial of 29%/71%. This compares to a pre-trial peak/off-peak split of 31%/69%.</p> <p><i>Western region:</i> No change to the historic peak/off-peak (30%/70%) allocation. The Western region has had a peak demand price for 15 years, with retailers passing it through in a variety of ways, including as part of a TOU charge. The change to pricing involves expressing this same charge as a TOU charge - there is no change to the absolute level of the annual price. The alignment to the peak/off-peak in Eastern region suggests this is a reasonable starting assumption. Change from a demand to a TOU version of the same price would be expected to change behaviour.</p> <p>Next year's forecasts of annual and within-year volumes will reflect analysis of available data.</p>

Approach to forecasting revenues for large commercial/ industrial customers

Powerco has made changes to its approach to forecasting revenue in relation its large commercial and industrial customers on asset-based pricing categories of V40, V60, T50, T60 and SPECIAL.

Historically Powerco would simply forecast revenue from these price categories using the expected revenue from known customers prior to the start of the pricing year. We identified that this

⁵ <https://www.powerco.co.nz/publications/pricing-schedules/>

approach had the tendency to under estimate the actual revenue from these price categories as the forecasted revenue did not include subsequent revenue that resulted from new connections or demand growth from existing customers within the pricing year.

We have revised the forecasting approach to include an estimate for revenue growth from new connections and revenue growth from existing customers based on historical growth in order to improve the alignment between forecasted and actual revenue from these price categories (as per the table below).

Table B.10: Revenue forecast for large commercial / industrial customers

Price cat	FY20 growth uplift		Jan 19 Existing connections		Adjustments for known changes		FY20 Forecasted ICPs and revenue	
	ICPs	Revenue	ICPs	Revenue	ICPs	Revenue	ICPs	Revenue
T50	5	\$255,049	216	\$11,018,101			221	\$11,273,150
T60	2	\$514,185	31	\$7,969,861			33	\$8,484,045
Total	7	\$769,233	247	\$18,987,962			254	\$19,757,195
V40	1	\$48,310	83	\$4,009,725			84	\$4,058,035
V60	0	\$0	24	\$8,954,073			24	\$8,954,073
V601	0	\$0	1	\$8,943,764			1	\$8,943,764
Total	1	\$48,310	108	\$21,907,562			109	\$21,955,871
Eastern	8	\$817,543	352	\$40,895,524			363	\$41,713,067
SPE	3	\$968,678	36	\$11,624,133	1	-\$122,960	38	\$12,469,851
Overall	11	\$1,786,221	388	\$52,519,656			401	\$54,182,918

Attachment C: Prices and forecast quantities for Pricing Year 2020

The tables in this attachment contain our prices and forecast quantities. These are

Western Network Distribution Prices

Western Network					Distribution Prices FY20 (Period 1 April 2019 to 31 March 2020)										
Lookup	Tariff Group	GXP Group	GXP	Short GXP code	Fixed					Variable					Indirect Fixed (\$/ICP)
					Network Asset Charge					Volume Charge		Demand Charge			
					ICP \$/Month	ICP cents/day	Transformer \$/day	Installed Capacity \$/kVA/Month	CTN/T Charge (\$/day)	On Peak c/kWh	Off Peak c/kWh	Dist-\$/kWh /Month	Trans-\$/kWh /Month	\$/kVAr /Month	
Residential-Small Commercial															
E1A	E1	A	Brunswick	BRK	14	0.00					6.3200	7.0800			
E1 - UCA	E1 - UC	A	Brunswick	BRK	15	15.00					6.3200	7.0800			
E1A	E1	A	Bunnythorpe	BPE	16	0.00					6.3200	7.0800			
E1 - UCA	E1 - UC	A	Bunnythorpe	BPE	17	15.00					6.3200	7.0800			
E1A	E1	A	Carrington	CST	18	0.00					6.3200	7.0800			
E1 - UCA	E1 - UC	A	Carrington	CST	19	15.00					6.3200	7.0800			
E1A	E1	A	Huirangi	HUI	20	0.00					6.3200	7.0800			
E1 - UCA	E1 - UC	A	Huirangi	HUI	21	15.00					6.3200	7.0800			
E1A	E1	A	Linton	LTN	22	0.00					6.3200	7.0800			
E1 - UCA	E1 - UC	A	Linton	LTN	23	15.00					6.3200	7.0800			
E1A	E1	A	Moturoa / New Plymouth	NPL	24	0.00					6.3200	7.0800			
E1 - UCA	E1 - UC	A	Moturoa / New Plymouth	NPL	25	15.00					6.3200	7.0800			
E1A	E1	A	Stratford	SFD	26	0.00					6.3200	7.0800			
E1 - UCA	E1 - UC	A	Stratford	SFD	27	15.00					6.3200	7.0800			
E1A	E1	A	Wanganui	WGN	28	0.00					6.3200	7.0800			
E1 - UCA	E1 - UC	A	Wanganui	WGN	29	15.00					6.3200	7.0800			
Medium/Large Commercial															
E1B	E1	B	Greytown	GYT	31	0.00					8.6000	9.1000			
E1 - UCB	E1 - UC	B	Greytown	GYT	32	15.00					8.6000	9.1000			
E1B	E1	B	Hawera	HWA	33	0.00					8.6000	9.1000			
E1 - UCB	E1 - UC	B	Hawera	HWA	34	15.00					8.6000	9.1000			
E1B	E1	B	Mangamaire	MGM	35	0.00					8.6000	9.1000			
E1 - UCB	E1 - UC	B	Mangamaire	MGM	36	15.00					8.6000	9.1000			
E1B	E1	B	Marton	MTN	37	0.00					8.6000	9.1000			
E1 - UCB	E1 - UC	B	Marton	MTN	38	15.00					8.6000	9.1000			
E1B	E1	B	Masterton	MST	39	0.00					8.6000	9.1000			
E1 - UCB	E1 - UC	B	Masterton	MST	40	15.00					8.6000	9.1000			
E1B	E1	B	Mataeroa	MTR	41	0.00					8.6000	9.1000			
E1 - UCB	E1 - UC	B	Mataeroa	MTR	42	15.00					8.6000	9.1000			
E1B	E1	B	Ohakune	OKN	43	0.00					8.6000	9.1000			
E1 - UCB	E1 - UC	B	Ohakune	OKN	44	15.00					8.6000	9.1000			
E1B	E1	B	Opunake	OPK	45	0.00					8.6000	9.1000			
E1 - UCB	E1 - UC	B	Opunake	OPK	46	15.00					8.6000	9.1000			
E1B	E1	B	Waverley	WVY	47	0.00					8.6000	9.1000			
E1 - UCB	E1 - UC	B	Waverley	WVY	48	15.00					8.6000	9.1000			
Special															
E100A	E100	A	Carrington	CST	51	291.00				8.06			0.3287	7.00	
E100A	E100	A	Huirangi	HUI	52	291.00				8.06			0.3287	7.00	
E100A	E100	A	Moturoa / New Plymouth	NPL	53	291.00				8.06			0.3287	7.00	
E100A	E100	A	Stratford	SFD	54	291.00				8.06			0.3287	7.00	
E100B	E100	B	Hawera	HWA	55	291.00				8.06			0.6647	7.00	
E100C	E100	C	Waverley	WVY	56	291.00				8.06			0.5851	7.00	
E100D	E100	D	Opunake	OPK	57	291.00				8.06			0.6000	7.00	
E100E	E100	E	Brunswick	BRK	58	291.00				8.06			0.3851	7.00	
E100E	E100	E	Wanganui	WGN	59	291.00				8.06			0.3851	7.00	
E100F	E100	F	Marton	MTN	60	291.00				8.06			0.4635	7.00	
E100G	E100	G	Mataeroa	MTR	61	291.00				8.06			0.6317	7.00	
E100G	E100	G	Ohakune	OKN	62	291.00				8.06			0.6317	7.00	
E100H	E100	H	Masterton	MST	63	291.00				8.06			0.5683	7.00	
E100H	E100	H	Greytown	GYT	64	291.00				8.06			0.5683	7.00	
E100I	E100	I	Bunnythorpe	BPE	65	291.00				8.06			0.3478	7.00	
E100I	E100	I	Linton	LTN	66	291.00				8.06			0.3478	7.00	
E100J	E100	J	Mangamaire	MGM	67	291.00				8.06			0.4152	7.00	
E300A	E300	A	Carrington	CST	69			1.85	8.06				0.1420	7.00	
E300A	E300	A	Huirangi	HUI	70			1.85	8.06				0.1420	7.00	
E300A	E300	A	Moturoa / New Plymouth	NPL	71			1.85	8.06				0.1420	7.00	
E300A	E300	A	Stratford	SFD	72			1.85	8.06				0.1420	7.00	
E300B	E300	B	Hawera	HWA	73			1.85	8.06				0.2666	7.00	
E300C	E300	C	Waverley	WVY	74			1.85	8.06				0.5312	7.00	
E300D	E300	D	Opunake	OPK	75			1.85	8.06				0.2999	7.00	
E300E	E300	E	Brunswick	BRK	76			1.85	8.06				0.1511	7.00	
E300E	E300	E	Wanganui	WGN	77			1.85	8.06				0.1511	7.00	
E300F	E300	F	Marton	MTN	78			1.85	8.06				0.2409	7.00	
E300G	E300	G	Mataeroa	MTR	79			1.85	8.06				0.4049	7.00	
E300G	E300	G	Ohakune	OKN	80			1.85	8.06				0.4049	7.00	
E300H	E300	H	Masterton	MST	81			1.85	8.06				0.3463	7.00	
E300H	E300	H	Greytown	GYT	82			1.85	8.06				0.3463	7.00	
E300I	E300	I	Bunnythorpe	BPE	83			1.85	8.06				0.2376	7.00	
E300I	E300	I	Linton	LTN	84			1.85	8.06				0.2376	7.00	
E300J	E300	J	Mangamaire	MGM	85			1.85	8.06				0.2518	7.00	
SPECIAL	SPECIAL		Asset Based						8.06					167,326.03	
SPECIAL	SPECIAL		Hau Nui Generation						8.06					113,851.00	
SPECIAL	SPECIAL		Taranua Generation						8.06					245,126.00	
SPECIAL	SPECIAL		Other Generation						8.06					0.00	

Western Network Transmission Prices

Western Network					Transmission Prices FY20 (Period 1 April 2019 to 31 March 2020)										
Lookup	Tariff Group	GXP Group	GXP	Short GXP code	Fixed			Variable				Individually Priced			
					ICP \$/Month	ICP cents/day	CT/VT Charge (\$/day)	Volume Charge		Demand Charge		ABP (\$/AMD, value)	Indirect Fixed (\$/ICP)		
							Uncontrolled c/kWh	On Peak c/kWh	Winter PM Peak c/kWh	Dist-\$/kWh /Month	Trans-\$/kWh /Month	\$/kVAr /Month			
Residential+Small Commercial															
E1A	E1	A	Brunswick	BRK	105	0.00		8.5500							
E1 - UCA	E1 - UC	A	Brunswick	BRK	106	0.00		8.5500							
E1A	E1	A	Bunnythorpe	BPE	107	0.00		8.5500							
E1 - UCA	E1 - UC	A	Bunnythorpe	BPE	108	0.00		8.5500							
E1A	E1	A	Carrington	CST	109	0.00		8.5500							
E1 - UCA	E1 - UC	A	Carrington	CST	110	0.00		8.5500							
E1A	E1	A	Huirangi	HUI	111	0.00		8.5500							
E1 - UCA	E1 - UC	A	Huirangi	HUI	112	0.00		8.5500							
E1A	E1	A	Linton	LTN	113	0.00		8.5500							
E1 - UCA	E1 - UC	A	Linton	LTN	114	0.00		8.5500							
E1A	E1	A	Moturoa / New Plymouth	NPL	115	0.00		8.5500							
E1 - UCA	E1 - UC	A	Moturoa / New Plymouth	NPL	116	0.00		8.5500							
E1A	E1	A	Stratford	SFD	117	0.00		8.5500							
E1 - UCA	E1 - UC	A	Stratford	SFD	118	0.00		8.5500							
E1A	E1	A	Wanganui	WGN	119	0.00		8.5500							
E1 - UCA	E1 - UC	A	Wanganui	WGN	120	0.00		8.5500							
Medium/Large Commercial															
E1B	E1	B	Greytown	GYT	122	0.00		7.7500							
E1 - UCB	E1 - UC	B	Greytown	GYT	123	0.00		7.7500							
E1B	E1	B	Hawera	HWA	124	0.00		7.7500							
E1 - UCB	E1 - UC	B	Hawera	HWA	125	0.00		7.7500							
E1B	E1	B	Mangamaire	MGM	126	0.00		7.7500							
E1 - UCB	E1 - UC	B	Mangamaire	MGM	127	0.00		7.7500							
E1B	E1	B	Marton	MTN	128	0.00		7.7500							
E1 - UCB	E1 - UC	B	Marton	MTN	129	0.00		7.7500							
E1B	E1	B	Masterton	MST	130	0.00		7.7500							
E1 - UCB	E1 - UC	B	Masterton	MST	131	0.00		7.7500							
E1B	E1	B	Mataroa	MTR	132	0.00		7.7500							
E1 - UCB	E1 - UC	B	Mataroa	MTR	133	0.00		7.7500							
E1B	E1	B	Ohakune	OKN	134	0.00		7.7500							
E1 - UCB	E1 - UC	B	Ohakune	OKN	135	0.00		7.7500							
E1B	E1	B	Opunake	OPK	136	0.00		7.7500							
E1 - UCB	E1 - UC	B	Opunake	OPK	137	0.00		7.7500							
E1B	E1	B	Waverley	WVY	138	0.00		7.7500							
E1 - UCB	E1 - UC	B	Waverley	WVY	139	0.00		7.7500							
E100A	E100	A	Carrington	CST	142							0.4085			
E100A	E100	A	Huirangi	HUI	143							0.4085			
E100A	E100	A	Moturoa / New Plymouth	NPL	144							0.4085			
E100A	E100	A	Stratford	SFD	145							0.4085			
E100B	E100	B	Hawera	HWA	146							0.4220			
E100C	E100	C	Waverley	WVY	147							0.4225			
E100D	E100	D	Opunake	OPK	148							0.4214			
E100E	E100	E	Brunswick	BRK	149							0.3435			
E100E	E100	E	Wanganui	WGN	150							0.3435			
E100F	E100	F	Marton	MTN	151							0.3217			
E100G	E100	G	Mataroa	MTR	152							0.4184			
E100G	E100	G	Ohakune	OKN	153							0.4184			
E100H	E100	H	Masterton	MST	154							0.4551			
E100H	E100	H	Greytown	GYT	155							0.4551			
E100I	E100	I	Bunnythorpe	BPE	156							0.3378			
E100I	E100	I	Linton	LTN	157							0.3378			
E100J	E100	J	Mangamaire	MGM	158							0.4549			
E300A	E300	A	Carrington	CST	160							0.4085			
E300A	E300	A	Huirangi	HUI	161							0.4085			
E300A	E300	A	Moturoa / New Plymouth	NPL	162							0.4085			
E300A	E300	A	Stratford	SFD	163							0.4085			
E300B	E300	B	Hawera	HWA	164							0.4220			
E300C	E300	C	Waverley	WVY	165							0.4225			
E300D	E300	D	Opunake	OPK	166							0.4214			
E300E	E300	E	Brunswick	BRK	167							0.3435			
E300E	E300	E	Wanganui	WGN	168							0.3435			
E300F	E300	F	Marton	MTN	169							0.3217			
E300G	E300	G	Mataroa	MTR	170							0.4184			
E300G	E300	G	Ohakune	OKN	171							0.4184			
E300H	E300	H	Masterton	MST	172							0.4551			
E300H	E300	H	Greytown	GYT	173							0.4551			
E300I	E300	I	Bunnythorpe	BPE	174							0.3378			
E300I	E300	I	Linton	LTN	175							0.3378			
E300J	E300	J	Mangamaire	MGM	176							0.4549			
SPECIAL	SPECIAL		Asset Based												
SPECIAL	SPECIAL		Hau Nui Generation												188,876.15
SPECIAL	SPECIAL		Tararua Generation												
SPECIAL	SPECIAL		Other Generation												

CPP PRICE SETTING COMPLIANCE STATEMENT

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Western Network Quantities

Western Network						Quantities FY20 (1 April 2019 to 31 March 2020)															
Lookup	Tariff Group	GXP Group	GXP	Short GXP code	ICP No.'s (Average)	ICP Days	ICP Months	kVA Installed	CT/VTs	kWh Day	kWh On peak	kWh Off Peak	kWh Winter AM Peak	kWh Winter PM Peak	kW Demand (AMD for E100/E300)	OPD (kW)	kVA Demand	Individually Priced			
																		Asset Value / AMD	AMD	OPD	
Residential+Small Commercial																					
E1A	E1	A	Brunswick	BRK	14	6,747	2,469,219	-	-	-	15,092,296	35,275,673	-	-	136,199	-	-	-	-	-	-
E1-UC A	E1-UC	A	Brunswick	BRK	15	5,542	2,028,448	-	-	-	12,398,225	28,978,741	-	-	111,887	-	-	-	-	-	-
E1A	E1	A	Bunnythorpe	BPE	16	17,104	6,260,101	-	-	-	49,752,185	114,002,508	-	-	377,262	-	-	-	-	-	-
E1-UC A	E1-UC	A	Bunnythorpe	BPE	17	17,464	6,391,679	-	-	-	50,797,906	116,398,680	-	-	385,192	-	-	-	-	-	-
E1A	E1	A	Carrington	CST	18	8,068	2,952,910	-	-	-	21,836,351	49,195,339	-	-	168,156	-	-	-	-	-	-
E1-UC A	E1-UC	A	Carrington	CST	19	11,359	4,157,396	-	-	-	30,743,353	69,262,015	-	-	236,746	-	-	-	-	-	-
E1A	E1	A	Huirangi	HUI	20	4,991	1,826,726	-	-	-	10,155,589	25,060,360	-	-	109,412	-	-	-	-	-	-
E1-UC A	E1-UC	A	Huirangi	HUI	21	5,174	1,893,694	-	-	-	10,527,891	25,979,090	-	-	113,423	-	-	-	-	-	-
E1A	E1	A	Linton	LTN	22	7,848	2,872,406	-	-	-	21,098,446	49,995,860	-	-	183,061	-	-	-	-	-	-
E1-UC A	E1-UC	A	Linton	LTN	23	8,793	3,218,361	-	-	-	23,639,565	56,017,414	-	-	205,109	-	-	-	-	-	-
E1A	E1	A	Moturoa / New Plymouth	NPL	24	4,041	1,478,902	-	-	-	8,414,752	18,962,888	-	-	71,928	-	-	-	-	-	-
E1-UC A	E1-UC	A	Moturoa / New Plymouth	NPL	25	4,243	1,552,878	-	-	-	8,835,662	19,932,421	-	-	75,526	-	-	-	-	-	-
E1A	E1	A	Stratford	SFD	26	4,246	1,554,153	-	-	-	17,495,967	39,648,734	-	-	141,733	-	-	-	-	-	-
E1-UC A	E1-UC	A	Stratford	SFD	27	4,061	1,493,804	-	-	-	16,816,579	38,109,128	-	-	136,230	-	-	-	-	-	-
E1A	E1	A	Wanganui	WGN	28	5,298	1,938,274	-	-	-	13,215,754	30,089,344	-	-	126,506	-	-	-	-	-	-
E1-UC A	E1-UC	A	Wanganui	WGN	29	4,590	1,679,934	-	-	-	11,454,311	26,078,929	-	-	109,645	-	-	-	-	-	-
E1B	E1	B	Greytown	GYT	31	3,590	1,313,829	-	-	-	10,000,911	26,845,946	-	-	77,326	-	-	-	-	-	-
E1-UC B	E1-UC	B	Greytown	GYT	32	3,435	1,257,265	-	-	-	9,570,343	25,690,152	-	-	73,997	-	-	-	-	-	-
E1B	E1	B	Hawera	HWA	33	3,414	1,249,441	-	-	-	9,603,311	23,735,252	-	-	74,824	-	-	-	-	-	-
E1-UC B	E1-UC	B	Hawera	HWA	34	5,830	2,133,828	-	-	-	16,400,781	40,535,672	-	-	127,786	-	-	-	-	-	-
E1B	E1	B	Mangamaire	MGM	35	2,090	764,832	-	-	-	5,786,244	13,490,761	-	-	42,723	-	-	-	-	-	-
E1-UC B	E1-UC	B	Mangamaire	MGM	36	2,228	815,400	-	-	-	6,168,805	14,382,712	-	-	45,547	-	-	-	-	-	-
E1B	E1	B	Marton	MTN	37	4,096	1,499,076	-	-	-	11,602,102	28,216,741	-	-	85,962	-	-	-	-	-	-
E1-UC B	E1-UC	B	Marton	MTN	38	2,066	756,191	-	-	-	5,852,542	14,233,590	-	-	43,373	-	-	-	-	-	-
E1B	E1	B	Masterton	MST	39	10,946	4,006,061	-	-	-	28,648,245	69,415,755	-	-	213,417	-	-	-	-	-	-
E1-UC B	E1-UC	B	Masterton	MST	40	7,051	2,580,688	-	-	-	18,455,084	44,717,351	-	-	137,483	-	-	-	-	-	-
E1B	E1	B	Mataroa	MTR	41	1,737	635,625	-	-	-	4,320,005	10,487,332	-	-	33,163	-	-	-	-	-	-
E1-UC B	E1-UC	B	Mataroa	MTR	42	1,028	376,194	-	-	-	2,556,794	6,208,924	-	-	19,827	-	-	-	-	-	-
E1B	E1	B	Ohakune	OKN	43	642	234,924	-	-	-	1,527,134	3,726,875	-	-	12,048	-	-	-	-	-	-
E1-UC B	E1-UC	B	Ohakune	OKN	44	561	205,173	-	-	-	1,333,739	3,254,907	-	-	10,523	-	-	-	-	-	-
E1B	E1	B	Opunake	OPK	45	1,212	443,600	-	-	-	4,367,293	11,431,235	-	-	43,279	-	-	-	-	-	-
E1-UC B	E1-UC	B	Opunake	OPK	46	1,835	671,533	-	-	-	6,611,322	17,304,901	-	-	65,517	-	-	-	-	-	-
E1B	E1	B	Waverley	WVY	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E1-UC B	E1-UC	B	Waverley	WVY	48	1,341	490,835	-	-	-	4,246,316	11,152,222	-	-	36,898	-	-	-	-	-	-
Medium/Large Commercial																					
E100A	E100	A	Carrington	CST	51	31	-	367	-	-	-	-	-	-	1,608,285	814,016	6,922	-	-	-	-
E100A	E100	A	Huirangi	HUI	52	10	-	118	1	-	-	-	-	-	535,364	138,595	6,340	-	-	-	-
E100A	E100	A	Moturoa / New Plymouth	NPL	53	4	-	47	-	-	-	-	-	-	126,162	46,076	1,377	-	-	-	-
E100A	E100	A	Stratford	SFD	54	9	-	106	-	-	-	-	-	-	441,917	195,642	2,291	-	-	-	-
E100B	E100	B	Hawera	HWA	55	10	-	118	-	-	-	-	-	-	502,452	243,912	3,626	-	-	-	-
E100C	E100	C	Waverley	WVY	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E100D	E100	D	Opunake	OPK	57	1	-	12	-	-	-	-	-	-	42,420	10,971	1,714	-	-	-	-
E100E	E100	E	Brunswick	BRK	58	10	-	118	-	-	-	-	-	-	525,866	272,070	1,731	-	-	-	-
E100E	E100	E	Wanganui	WGN	59	9	-	166	-	-	-	-	-	-	370,905	173,385	2,215	-	-	-	-
E100F	E100	F	Marton	MTN	60	5	-	59	-	-	-	-	-	-	273,167	147,737	1,229	-	-	-	-
E100G	E100	G	Mataroa	MTR	61	4	-	47	-	-	-	-	-	-	274,630	112,631	1,181	-	-	-	-
E100G	E100	G	Ohakune	OKN	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E100H	E100	H	Masterton	MST	63	23	-	272	-	-	-	-	-	-	1,213,345	567,544	5,454	-	-	-	-
E100H	E100	H	Greytown	GYT	64	4	-	47	-	-	-	-	-	-	204,794	98,161	2,700	-	-	-	-
E100I	E100	I	Bunnythorpe	BPE	65	60	-	722	-	-	-	-	-	-	3,121,858	1,470,066	15,499	-	-	-	-
E100I	E100	I	Linton	LTN	66	35	-	414	-	-	-	-	-	-	1,674,109	687,123	9,863	-	-	-	-
E100J	E100	J	Mangamaire	MGM	67	2	-	24	-	-	-	-	-	-	102,392	38,031	1,691	-	-	-	-
E300A	E300	A	Carrington	CST	69	-	-	298,802	5	-	-	-	-	-	5,105,294	2,326,412	16,274	-	-	-	-
E300A	E300	A	Huirangi	HUI	70	-	-	246,332	3	-	-	-	-	-	4,614,020	2,082,696	20,877	-	-	-	-
E300A	E300	A	Moturoa / New Plymouth	NPL	71	-	-	133,360	7	-	-	-	-	-	2,150,330	641,731	9,443	-	-	-	-
E300A	E300	A	Stratford	SFD	72	-	-	140,389	1	-	-	-	-	-	1,653,199	563,025	14,450	-	-	-	-
E300B	E300	B	Hawera	HWA	73	-	-	88,319	1	-	-	-	-	-	1,343,132	624,892	5,817	-	-	-	-
E300C	E300	C	Waverley	WVY	74	-	-	18,024	-	-	-	-	-	-	428,675	286,271	1,042	-	-	-	-
E300D	E300	D	Opunake	OPK	75	-	-	36,049	2	-	-	-	-	-	735,813	378,156	10,683	-	-	-	-
E300E	E300	E	Brunswick	BRK	76	-	-	121,363	2	-	-	-	-	-	2,034,650	1,108,644	9,433	-	-	-	-
E300E	E300	E	Wanganui	WGN	77	-	-	255,344	5	-	-	-	-	-	3,777,903	1,723,485	19,850	-	-	-	-
E300F	E300	F	Marton	MTN	78	-	-	131,577	3	-	-	-	-	-	1,420,374	644,294	8,748	-	-	-	-
E300G	E300	G	Mataroa	MTR	79	-	-	36,049	-	-	-	-	-	-	560,828	379,987	880	-	-	-	-
E300G	E300	G	Ohakune	OKN	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E300H	E300	H	Masterton	MST	81	-	-	161,616	1	-	-	-	-	-	2,874,794	1,416,714	6,190	-	-	-	-
E300H	E300	H	Greytown	GYT	82	-	-	13,819	-	-	-	-	-	-	219,646	73,215					

Western Network Distribution Revenue

Western Network					Distribution Revenue (FY20 Prices)						
Lookup	Tariff Group	GXP Group	GXP	Short GXP code	Fixed (Monthly)	Fixed (Daily)	Variable	Demand	Non-standard	Total	
Residential+Small Commercial											
E1A	E1	A	Brunswick	BRK	14	-	-	3,451,351	-	3,451,351	
E1 - UCA	E1 - UC	A	Brunswick	BRK	15	-	304,267	2,835,263	-	3,139,530	
E1A	E1	A	Bunnythorpe	BPE	16	-	-	11,215,716	-	11,215,716	
E1 - UCA	E1 - UC	A	Bunnythorpe	BPE	17	-	958,752	11,451,454	-	12,410,206	
E1A	E1	A	Carrington	CST	18	-	-	4,863,087	-	4,863,087	
E1 - UCA	E1 - UC	A	Carrington	CST	19	-	623,609	6,846,731	-	7,470,340	
E1A	E1	A	Huirangi	HUI	20	-	-	2,416,107	-	2,416,107	
E1 - UCA	E1 - UC	A	Huirangi	HUI	21	-	284,054	2,504,681	-	2,788,735	
E1A	E1	A	Linton	LTN	22	-	-	4,873,129	-	4,873,129	
E1 - UCA	E1 - UC	A	Linton	LTN	23	-	482,754	5,460,053	-	5,942,808	
E1A	E1	A	Moturoa / New Plymouth	NPL	24	-	-	1,875,801	-	1,875,801	
E1 - UCA	E1 - UC	A	Moturoa / New Plymouth	NPL	25	-	232,932	1,969,629	-	2,202,561	
E1A	E1	A	Stratford	SFD	26	-	-	3,912,876	-	3,912,876	
E1 - UCA	E1 - UC	A	Stratford	SFD	27	-	224,071	3,760,934	-	3,985,005	
E1A	E1	A	Wanganui	WGN	28	-	-	2,965,561	-	2,965,561	
E1 - UCA	E1 - UC	A	Wanganui	WGN	29	-	251,990	2,570,301	-	2,822,291	
E1B	E1	B	Greytown	GYT	31	-	-	3,303,059	-	3,303,059	
E1 - UCB	E1 - UC	B	Greytown	GYT	32	-	188,590	3,160,853	-	3,349,443	
E1B	E1	B	Hawera	HWA	33	-	-	2,985,793	-	2,985,793	
E1 - UCB	E1 - UC	B	Hawera	HWA	34	-	320,074	5,099,213	-	5,419,287	
E1B	E1	B	Mangamaire	MGM	35	-	-	1,725,276	-	1,725,276	
E1 - UCB	E1 - UC	B	Mangamaire	MGM	36	-	122,310	1,839,344	-	1,961,654	
E1B	E1	B	Marton	MTN	37	-	-	3,565,504	-	3,565,504	
E1 - UCB	E1 - UC	B	Marton	MTN	38	-	113,429	1,798,576	-	1,912,005	
E1B	E1	B	Masterton	MST	39	-	-	8,780,583	-	8,780,583	
E1 - UCB	E1 - UC	B	Masterton	MST	40	-	387,103	5,656,416	-	6,043,519	
E1B	E1	B	Mataroa	MTR	41	-	-	1,325,868	-	1,325,868	
E1 - UCB	E1 - UC	B	Mataroa	MTR	42	-	56,429	784,714	-	841,144	
E1B	E1	B	Ohakune	OKN	43	-	-	470,479	-	470,479	
E1 - UCB	E1 - UC	B	Ohakune	OKN	44	-	30,776	410,898	-	441,674	
E1B	E1	B	Opunake	OPK	45	-	-	1,415,830	-	1,415,830	
E1 - UCB	E1 - UC	B	Opunake	OPK	46	-	100,730	2,143,320	-	2,244,050	
E1B	E1	B	Waverley	WVY	47	-	-	-	-	-	
E1 - UCB	E1 - UC	B	Waverley	WVY	48	-	73,625	1,380,035	-	1,453,661	
Medium/Large Commercial											
E100A	E100	A	Carrington	CST	51	106,745	-	-	577,096	683,841	
E100A	E100	A	Huirangi	HUI	52	34,434	2,942	-	220,358	257,732	
E100A	E100	A	Moturoa / New Plymouth	NPL	53	13,774	-	-	51,108	64,882	
E100A	E100	A	Stratford	SFD	54	30,991	-	-	160,999	191,989	
E100B	E100	B	Hawera	HWA	55	34,434	-	-	359,361	393,795	
E100C	E100	C	Waverley	WVY	56	-	-	-	-	-	
E100D	E100	D	Opunake	OPK	57	3,443	-	-	-	40,895	
E100E	E100	E	Brunswick	BRK	58	34,434	-	-	214,623	249,057	
E100E	E100	E	Wanganui	WGN	59	30,991	-	-	158,305	189,295	
E100F	E100	F	Marton	MTN	60	17,217	-	-	135,219	152,436	
E100G	E100	G	Mataroa	MTR	61	13,774	-	-	181,754	195,527	
E100G	E100	G	Ohakune	OKN	62	-	-	-	-	-	
E100H	E100	H	Masterton	MST	63	79,198	-	-	727,724	806,922	
E100H	E100	H	Greytown	GYT	64	13,774	-	-	135,279	149,052	
E100I	E100	I	Bunnythorpe	BPE	65	210,047	2,942	-	1,194,275	1,407,264	
E100I	E100	I	Linton	LTN	66	120,519	-	-	651,294	771,813	
E100J	E100	J	Mangamaire	MGM	67	6,887	-	-	54,347	61,234	
E300A	E300	A	Carrington	CST	69	552,784	14,710	-	838,867	1,406,361	
E300A	E300	A	Huirangi	HUI	70	455,714	8,826	-	801,331	1,265,871	
E300A	E300	A	Moturoa / New Plymouth	NPL	71	246,752	20,593	-	371,447	638,793	
E300A	E300	A	Stratford	SFD	72	259,720	2,942	-	335,905	598,567	
E300B	E300	B	Hawera	HWA	73	163,390	2,942	-	398,796	565,128	
E300C	E300	C	Waverley	WVY	74	33,345	-	-	235,010	268,354	
E300D	E300	D	Opunake	OPK	75	66,690	5,884	-	295,455	368,028	
E300E	E300	E	Brunswick	BRK	76	224,522	5,884	-	373,460	603,866	
E300E	E300	E	Wanganui	WGN	77	472,386	14,710	-	709,792	1,196,887	
E300F	E300	F	Marton	MTN	78	243,418	8,826	-	403,407	655,551	
E300G	E300	G	Mataroa	MTR	79	66,690	-	-	233,240	299,930	
E300G	E300	G	Ohakune	OKN	80	-	-	-	-	-	
E300H	E300	H	Masterton	MST	81	298,993	2,942	-	1,038,873	1,340,807	
E300H	E300	H	Greytown	GYT	82	25,564	-	-	86,634	112,199	
E300I	E300	I	Bunnythorpe	BPE	83	1,185,522	41,187	-	2,783,628	4,010,338	
E300I	E300	I	Linton	LTN	84	596,651	17,651	-	1,085,461	1,699,764	
E300J	E300	J	Mangamaire	MGM	85	16,672	2,942	-	35,216	54,830	
SPECIAL	SPECIAL		Asset Based			-	-	-	122,525	5,689,085	
SPECIAL	SPECIAL		Hau Nui Generation			-	-	-	-	113,851	
SPECIAL	SPECIAL		Taranua Generation			-	-	-	-	245,126	
SPECIAL	SPECIAL		Other Generation			-	-	-	-	-	
Western Region Total						5,659,474	4,911,416	118,818,435	15,008,239	6,048,062	150,445,625

Western Network Transmission Revenue

Western Network						Transmission Revenue (FY20 Prices)					
Lookup	Tariff Group	GXP Group	GXP	Short GXP code		Fixed (Monthly)	Fixed (Daily)	Variable	Demand	Non-standard	Total
Residential+ Residential+Small Commercial											
E1A	E1	A	Brunswick	BRK	105	-	-	1,290,391	-	-	1,290,391
E1 - UCA	E1 - UC	A	Brunswick	BRK	106	-	-	1,060,048	-	-	1,060,048
E1A	E1	A	Bunnythorpe	BPE	107	-	-	4,253,812	-	-	4,253,812
E1 - UCA	E1 - UC	A	Bunnythorpe	BPE	108	-	-	4,343,221	-	-	4,343,221
E1A	E1	A	Carrington	CST	109	-	-	1,867,008	-	-	1,867,008
E1 - UCA	E1 - UC	A	Carrington	CST	110	-	-	2,628,557	-	-	2,628,557
E1A	E1	A	Huirangi	HUI	111	-	-	868,303	-	-	868,303
E1 - UCA	E1 - UC	A	Huirangi	HUI	112	-	-	900,135	-	-	900,135
E1A	E1	A	Linton	LTN	113	-	-	1,803,917	-	-	1,803,917
E1 - UCA	E1 - UC	A	Linton	LTN	114	-	-	2,021,183	-	-	2,021,183
E1A	E1	A	Moturoa / New Plymouth	NPL	115	-	-	719,461	-	-	719,461
E1 - UCA	E1 - UC	A	Moturoa / New Plymouth	NPL	116	-	-	755,449	-	-	755,449
E1A	E1	A	Stratford	SFD	117	-	-	1,495,905	-	-	1,495,905
E1 - UCA	E1 - UC	A	Stratford	SFD	118	-	-	1,437,818	-	-	1,437,818
E1A	E1	A	Wanganui	WGN	119	-	-	1,129,947	-	-	1,129,947
E1 - UCA	E1 - UC	A	Wanganui	WGN	120	-	-	979,344	-	-	979,344
E1B	E1	B	Greytown	GYT	122	-	-	775,071	-	-	775,071
E1 - UCB	E1 - UC	B	Greytown	GYT	123	-	-	741,702	-	-	741,702
E1B	E1	B	Hawera	HWA	124	-	-	744,257	-	-	744,257
E1 - UCB	E1 - UC	B	Hawera	HWA	125	-	-	1,271,061	-	-	1,271,061
E1B	E1	B	Mangamaire	MGM	126	-	-	448,434	-	-	448,434
E1 - UCB	E1 - UC	B	Mangamaire	MGM	127	-	-	478,082	-	-	478,082
E1B	E1	B	Marton	MTN	128	-	-	899,163	-	-	899,163
E1 - UCB	E1 - UC	B	Marton	MTN	129	-	-	453,572	-	-	453,572
E1B	E1	B	Masterton	MST	130	-	-	2,220,239	-	-	2,220,239
E1 - UCB	E1 - UC	B	Masterton	MST	131	-	-	1,430,269	-	-	1,430,269
E1B	E1	B	Mataroa	MTR	132	-	-	334,800	-	-	334,800
E1 - UCB	E1 - UC	B	Mataroa	MTR	133	-	-	198,152	-	-	198,152
E1B	E1	B	Ohakune	OKN	134	-	-	118,353	-	-	118,353
E1 - UCB	E1 - UC	B	Ohakune	OKN	135	-	-	103,365	-	-	103,365
E1B	E1	B	Opunake	OPK	136	-	-	338,465	-	-	338,465
E1 - UCB	E1 - UC	B	Opunake	OPK	137	-	-	512,377	-	-	512,377
E1B	E1	B	Waverley	WVY	138	-	-	-	-	-	-
E1 - UCB	E1 - UC	B	Waverley	WVY	139	-	-	329,090	-	-	329,090
Medium/Large Commercial											
E100A	E100	A	Carrington	CST	142	-	-	-	332,526	-	332,526
E100A	E100	A	Huirangi	HUI	143	-	-	-	56,616	-	56,616
E100A	E100	A	Moturoa / New Plymouth	NPL	144	-	-	-	18,822	-	18,822
E100A	E100	A	Stratford	SFD	145	-	-	-	79,920	-	79,920
E100B	E100	B	Hawera	HWA	146	-	-	-	102,931	-	102,931
E100C	E100	C	Waverley	WVY	147	-	-	-	-	-	-
E100D	E100	D	Opunake	OPK	148	-	-	-	4,623	-	4,623
E100E	E100	E	Brunswick	BRK	149	-	-	-	93,456	-	93,456
E100E	E100	E	Wanganui	WGN	150	-	-	-	59,541	-	59,541
E100F	E100	F	Marton	MTN	151	-	-	-	47,527	-	47,527
E100G	E100	G	Mataroa	MTR	152	-	-	-	47,125	-	47,125
E100G	E100	G	Ohakune	OKN	153	-	-	-	-	-	-
E100H	E100	H	Masterton	MST	154	-	-	-	258,289	-	258,289
E100H	E100	H	Greytown	GYT	155	-	-	-	45,101	-	45,101
E100I	E100	I	Bunnythorpe	BPE	156	-	-	-	496,585	-	496,585
E100I	E100	I	Linton	LTN	157	-	-	-	232,110	-	232,110
E100J	E100	J	Mangamaire	MGM	158	-	-	-	17,300	-	17,300
E300A	E300	A	Carrington	CST	160	-	-	-	950,339	-	950,339
E300A	E300	A	Huirangi	HUI	161	-	-	-	850,744	-	850,744
E300A	E300	A	Moturoa / New Plymouth	NPL	162	-	-	-	262,147	-	262,147
E300A	E300	A	Stratford	SFD	163	-	-	-	229,996	-	229,996
E300B	E300	B	Hawera	HWA	164	-	-	-	263,704	-	263,704
E300C	E300	C	Waverley	WVY	165	-	-	-	120,950	-	120,950
E300D	E300	D	Opunake	OPK	166	-	-	-	159,355	-	159,355
E300E	E300	E	Brunswick	BRK	167	-	-	-	380,888	-	380,888
E300E	E300	E	Wanganui	WGN	168	-	-	-	592,017	-	592,017
E300F	E300	F	Marton	MTN	169	-	-	-	207,269	-	207,269
E300G	E300	G	Mataroa	MTR	170	-	-	-	158,986	-	158,986
E300G	E300	G	Ohakune	OKN	171	-	-	-	-	-	-
E300H	E300	H	Masterton	MST	172	-	-	-	644,746	-	644,746
E300H	E300	H	Greytown	GYT	173	-	-	-	33,320	-	33,320
E300I	E300	I	Bunnythorpe	BPE	174	-	-	-	1,757,338	-	1,757,338
E300I	E300	I	Linton	LTN	175	-	-	-	657,132	-	657,132
E300J	E300	J	Mangamaire	MGM	176	-	-	-	16,653	-	16,653
SPECIAL	SPECIAL		Asset Based			-	-	-	-	6,421,789	6,421,789
SPECIAL	SPECIAL		Hau Nui Generation			-	-	-	-	-	-
SPECIAL	SPECIAL		Taranua Generation			-	-	-	-	-	-
SPECIAL	SPECIAL		Other Generation			-	-	-	-	-	-
Western Region Total						-	-	38,950,949	9,178,057	6,421,789	54,550,795

Eastern Network Distribution Prices

Eastern Network				Distribution Prices FY20 (Prices 1 April 2019 to 31 March 2020)																Individually Priced				
				Fixed			Variable												Demand Charge					
				Network Asset Charge			Volume Charge																	
Tariff Group	Network Group	Tariff Description		ICP \$/Month	ICP cents/day	CT/VT Charge (\$/day)	Uncontrolled c/kWh	All Inclusive c/kWh	Controlled c/kWh	Night Only c/kWh	On Peak Uncontrolled c/kWh	Off Peak Uncontrolled c/kWh	On Peak All Inclusive c/kWh	Off Peak All Inclusive c/kWh	Distributed Generation	Summer Day c/kWh	Summer Night c/kWh	Winter Day c/kWh	Winter Night c/kWh	Winter AM Peak c/kWh	Winter PM Peak c/kWh	\$/kVAr /Month	Indirect Fixed (\$/ICP)	
							24UC	AICO	CTRL	NITE	PEAK	OPFK	PKCN	OPCN	24DG	TS/1	TS/2	TW/1/3/5	TW/6	TW/2	TW/4			
Residential+Small Commercial																								
V05C	V05C	Valley	Low Usage - Controlled	15.0000			8.8100	8.2000	6.5200	5.1900														
V05U	V05U	Valley	Low Usage - Uncontrolled	15.0000			8.8100			5.1900														
V05S	V05S	Valley	Low Usage - TOU	15.0000			8.8100	8.2000	6.5200	5.1900	8.8100	8.8100	8.2000	8.2000										
V06C	V06C	Valley	Residential - Standard Controlled	85.0000			5.6200	5.0100	3.3300	2.0000														
V06U	V06U	Valley	Residential - Standard Uncontrolled	85.0000			5.6200			2.0000														
V06S	V06S	Valley	Residential - Standard TOU	85.0000			5.6200	5.0100	3.3300	2.0000	5.6200	5.6200	5.0100	5.0100										
T05C	T05C	Tauranga	Low Usage - Controlled	15.0000			7.8000	7.6400	6.1900	5.1600														
T05U	T05U	Tauranga	Low Usage - Uncontrolled	15.0000			7.8000			5.1600														
T05S	T05S	Tauranga	Low Usage - TOU	15.0000			7.8000	7.6400	6.1900	5.1600	7.8000	7.8000	7.6400	7.6400										
T06C	T06C	Tauranga	Standard Residential & Commercial - Controlled	85.0000			4.6100	4.4500	3.0000	1.9700														
T06U	T06U	Tauranga	Standard Residential & Commercial - Uncontrolled	85.0000			4.6100			1.9700														
T06S	T06S	Tauranga	Standard Residential & Commercial - TOU	85.0000			4.6100	4.4500	3.0000	1.9700	4.6100	4.6100	4.4500	4.4500										
Unmetered Supply																								
V01	V01	Valley	Unmetered/Streetlighting				7.7700																	
V02	V02	Valley	Unmetered/Streetlighting	10.8900																				
T01	T01	Tauranga	Unmetered/Streetlighting				7.3600																	
T02	T02	Tauranga	Unmetered/Streetlighting	10.9800																				
Medium Commercial																								
V24	V24	Valley	Commercial three phase 100A	991.0000			4.0900	4.0900															7.0000	
V28	V28	Valley	> 200 Amp up to 299 kVA	3,411.0000			4.2100	4.2100	3.2000														7.0000	
T22	T22	Tauranga	Capacity 100 – 199kVA	999.0000			4.8400		2.2400	2.3300													7.0000	
T24	T24	Tauranga	Capacity 200 -299kVA	3,297.0000			4.4700		2.0600														7.0000	
T41	T41	Tauranga	capacity 200 kVA unitised	2,019.0000												2.3100	0.9800	2.9300	0.9800	6.1600	10.7100		7.0000	
Large Commercial / Industrial																								
V40	V40	Valley	Individual ICP prices																				7.0000	31,079.697
V60	V60	Valley	Individual ICP prices																				7.0000	149,224.468
V601	V601	Kinleith	Individual ICP prices																				7.0000	2,978,405.164
T50	T50	Tauranga	Individual ICP prices																				7.0000	29,914.280
T601	T601	Tauranga	Individual ICP prices																				7.0000	134,698.855

Eastern Network Transmission Prices

Eastern Network				Transmission Prices FY20 (Prices 1 April 2019 to 31 March 2020)																		
				Fixed			Variable											Individually Priced				
				Network Asset Charge			Volume Charge											Demand Charge				
Tariff Group	Network Group	Tariff Description		ICP \$/Month	ICP cents/day	CT/VT Charge (\$/day)	Uncontrolled c/kWh	All Inclusive c/kWh	Controlled c/kWh	On Peak Uncontrolled c/kWh	Off Peak Uncontrolled c/kWh	On Peak All Inclusive c/kWh	Off Peak All Inclusive c/kWh	Distributed Generation	Summer Day c/kWh	Winter Day c/kWh	Winter AM Peak c/kWh	Winter PM Peak c/kWh	\$/kVAr /Month	ABP (\$/AMD, value)	Indirect Fixed (\$/ICP)	
							24UC	AICO	CTRL	PEAK	OFFPK	PKCN	OPCN	24DG	TS/1	TW/1/3/5	TW/2	TW/4				
Residential+Small Commercial																						
V05C	V05C	Valley	Low Usage - Controlled				3.2400	2.9000	2.0800													
V05U	V05U	Valley	Low Usage - Uncontrolled				3.2400															
V05S	V05S	Valley	Low Usage - TOU				3.2400	2.9000	2.0800	11.1700		10.0000										
V06C	V06C	Valley	Residential - Standard Controlled				3.2400	2.9000	2.0800													
V06U	V06U	Valley	Residential - Standard Uncontrolled				3.2400															
V06S	V06S	Valley	Residential - Standard TOU				3.2400	2.9000	2.0800	11.1700		10.0000										
Tauranga																						
T05C	T05C	Tauranga	Low Usage - Controlled				3.4100	2.8200	1.4800													
T05U	T05U	Tauranga	Low Usage - Uncontrolled				3.4100															
T05S	T05S	Tauranga	Low Usage - TOU				3.4100	2.8200	1.4800	11.7600		9.7200										
T06C	T06C	Tauranga	Standard Residential & Commercial - Controlled				3.4100	2.8200	1.4800													
T06U	T06U	Tauranga	Standard Residential & Commercial - Uncontrolled				3.4100															
T06S	T06S	Tauranga	Standard Residential & Commercial - TOU				3.4100	2.8200	1.4800	11.7600		9.7200										
Unmetered Supply																						
V01	V01	Valley	Unmetered/Streetlighting						4.4100													
V02	V02	Valley	Unmetered/Streetlighting		6.1800																	
Tauranga																						
T01	T01	Tauranga	Unmetered/Streetlighting						4.0800													
T02	T02	Tauranga	Unmetered/Streetlighting		6.0800																	
Medium Commercial																						
V24	V24	Valley	Commercial three phase 100A				2.6000	2.6000														
V28	V28	Valley	> 200 Amp up to 299 kVA				2.4400	2.4400	1.7400													
Tauranga																						
T22	T22	Tauranga	Capacity 100 – 199kVA				2.3100		1.0600													
T24	T24	Tauranga	Capacity 200 -299kVA				2.1400		0.9800													
T41	T41	Tauranga	capacity 200 kVA unitised												1.4500	1.8400	3.8700	6.7300				
Large Commercial / Industrial																						
V40	V40	Valley	Individual ICP prices																			17,812.286
V60	V60	Valley	Individual ICP prices																			223,861.893
V601	V601	Kinleith	Individual ICP prices																			5,965,359.000
Tauranga																						
T50	T50	Tauranga	Individual ICP prices																			22,276.228
T601	T601	Tauranga	Individual ICP prices																			138,980.031

CPP PRICE SETTING COMPLIANCE STATEMENT
Eastern Network Quantities

14 MARCH 2019

Eastern Network				Quantities FY20 (1 April 2019 to 31 March 2020)																	Individually Priced		
Tariff Group	Network Group	Tariff Description	ICP No.'s (Average)	ICP Days	kWh Uncontrolled	kWh All Inclusive	kWh Controlled	kWh Nite Only	kWh Uncontrolled On peak	kWh Uncontrolled Off Peak	kWh All Inclusive On Peak	kWh All Inclusive Off Peak	Distributed Generation	kWh Summer Day	kWh Summer Night	kWh Winter Day	kWh Winter Night	kWh Winter AM Peak	kWh Winter PM Peak	kWh Demand pa	Asset Value / AMD	OPD	
					24UC	AICO	CTRL	NITE	PEAK	OFFP	PKCN	OPCN	24DG	TS/1	TS/2	TW/1/3/5	TW/6	TW/2	TW/4				
Residential+Small Commercial																							
V05C	V05C	Valley	Low Usage - Controlled	7,208	2,638,273	22,228,242	2,304,137	9,273,549	122,947	-	-	-	-	42,318	-	-	-	-	-	-	-	-	-
V05U	V05U	Valley	Low Usage - Uncontrolled	5,673	2,076,411	22,200,568	-	-	120,286	-	-	-	-	81,905	-	-	-	-	-	-	-	-	-
V05S	V05S	Valley	Low Usage - TDU	24,104	8,922,141	-	-	21,549,160	441,615	23,324,564	57,104,966	1,552,711	3,801,465	204,503	-	-	-	-	-	-	-	-	-
V06C	V06C	Valley	Residential - Standard Controlled	9,685	3,544,774	57,443,866	17,637,048	16,936,132	493,476	-	-	-	-	62,600	-	-	-	-	-	-	-	-	-
V06U	V06U	Valley	Residential - Standard Uncontrolled	6,620	2,422,802	91,805,161	-	-	347,072	-	-	-	-	97,750	-	-	-	-	-	-	-	-	-
V06S	V06S	Valley	Residential - Standard TDU	18,719	6,851,016	-	-	16,518,683	967,456	53,539,608	131,079,730	4,988,673	12,213,649	197,976	-	-	-	-	-	-	-	-	-
T05C	T05C	Tauranga	Low Usage - Controlled	13,995	5,122,248	35,214,852	18,239,434	19,098,431	663,475	-	-	-	-	242,877	-	-	-	-	-	-	-	-	-
T05U	T05U	Tauranga	Low Usage - Uncontrolled	8,182	2,994,527	31,116,156	-	-	3,578,463	-	-	-	-	251,296	-	-	-	-	-	-	-	-	-
T05S	T05S	Tauranga	Low Usage - TDU	6,626	2,425,047	-	-	6,176,247	1,132,993	5,618,538	13,755,730	1,710,552	4,187,904	143,040	-	-	-	-	-	-	-	-	-
T06C	T06C	Tauranga	Standard Residential & Commercial - Controlled	27,163	9,941,659	125,061,443	44,864,377	56,473,149	1,165,052	-	-	-	-	321,876	-	-	-	-	-	-	-	-	-
T06U	T06U	Tauranga	Standard Residential & Commercial - Uncontrolled	24,092	8,817,704	210,961,971	-	-	7,563,057	-	-	-	-	408,552	-	-	-	-	-	-	-	-	-
T06S	T06S	Tauranga	Standard Residential & Commercial - TDU	5,885	2,153,939	-	-	8,458,225	743,320	10,045,433	24,593,990	1,948,664	4,770,866	79,017	-	-	-	-	-	-	-	-	-
Unmetered Supply																							
V01	V01	Valley	Unmetered/Streetlighting	-	-	644,615	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V02	V02	Valley	Unmetered/Streetlighting	11,719	4,289,277	3,999,286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
T01	T01	Tauranga	Unmetered/Streetlighting	-	-	2,396,258	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
T02	T02	Tauranga	Unmetered/Streetlighting	13,744	5,030,424	8,819,321	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Medium Commercial																							
V24	V24	Valley	Commercial three phase 100A	473	172,958	63,941,134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V28	V28	Valley	> 200 Amp up to 299 kVA	42	15,295	10,647,267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,673	
T22	T22	Tauranga	Capacity 100 - 199kVA	618	226,088	58,759,062	-	354,470	423,160	-	-	-	-	-	-	-	-	-	-	-	-	-	
T24	T24	Tauranga	Capacity 200-299kVA	53	19,219	6,808,780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
T41	T41	Tauranga	capacity 200 kVA untrified	88	32,035	-	-	-	-	-	-	-	-	-	11,901,975	3,794,950	5,245,299	2,875,211	1,806,580	1,506,053	9,986	-	
Large Commercial / Industrial																							
V40	V40	Valley	Individual ICP prices	83	-	59,683,092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20,093	
V60	V60	Valley	Individual ICP prices	24	-	316,510,373	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39,764	
V601	V601	Kinleith	Individual ICP prices	1	-	320,867,886	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
T50	T50	Tauranga	Individual ICP prices	216	-	193,865,506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45,555	
T601	T601	Tauranga	Individual ICP prices	31	-	165,753,160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30,049	
Eastern Region Total				185,043	67,595,836	1,806,727,998	83,044,997	154,838,048	17,752,371	92,528,142	226,534,417	10,200,601	24,973,884	2,133,711	11,901,975	3,794,950	5,245,299	2,875,211	1,806,580	1,506,053	147,119	-	-

Eastern Network Distribution Revenue

Eastern Network				Distribution Revenue (FY20 Prices)					
				Fixed (Monthly)	Fixed (Daily)	Variable	Demand	Non-standard	Total
Tariff Group	Network Group	Tariff Description							
Residential+Small Commercial									
V05C	V05C	Valley	Low Usage - Controlled	-	395,741	2,758,264	-	-	3,154,005
V05U	V05U	Valley	Low Usage - Uncontrolled	-	311,462	1,962,113	-	-	2,273,575
V05S	V05S	Valley	Low Usage - TOU	-	1,323,321	8,952,809	-	-	10,276,130
V06C	V06C	Valley	Residential - Standard Controlled	-	3,013,058	4,685,804	-	-	7,698,862
V06U	V06U	Valley	Residential - Standard Uncontrolled	-	2,059,381	5,166,392	-	-	7,225,773
V06S	V06S	Valley	Residential - Standard TOU	-	5,823,363	11,806,864	-	-	17,630,228
Tauranga Residential									
T05C	T05C	Tauranga	Low Usage - Controlled	-	768,337	5,356,679	-	-	6,125,017
T05U	T05U	Tauranga	Low Usage - Uncontrolled	-	449,179	2,611,709	-	-	3,060,888
T05S	T05S	Tauranga	Low Usage - TOU	-	363,757	2,402,607	-	-	2,766,364
T06C	T06C	Tauranga	Standard Residential & Commercial - Controlled	-	8,450,410	9,478,746	-	-	17,929,156
T06U	T06U	Tauranga	Standard Residential & Commercial - Uncontrolled	-	7,495,048	9,874,339	-	-	17,369,387
T06S	T06S	Tauranga	Standard Residential & Commercial - TOU	-	1,830,848	2,164,287	-	-	3,995,135
Unmetered Supply									
V01	V01	Valley	Unmetered/Streetlighting	-	-	50,087	-	-	50,087
V02	V02	Valley	Unmetered/Streetlighting	-	467,102	-	-	-	467,102
Tauranga Unmetered									
T01	T01	Tauranga	Unmetered/Streetlighting	-	-	176,365	-	-	176,365
T02	T02	Tauranga	Unmetered/Streetlighting	-	552,341	-	-	-	552,341
Medium Commercial									
V24	V24	Valley	Commercial three phase 100A	-	1,714,014	2,615,192	-	-	4,329,206
V28	V28	Valley	> 200 Amp up to 299 kVA	-	521,712	448,250	11,711	-	981,673
Tauranga Commercial									
T22	T22	Tauranga	Capacity 100 – 199kVA	-	2,258,621	2,861,738	-	-	5,120,359
T24	T24	Tauranga	Capacity 200 -299kVA	-	633,655	304,352	-	-	938,007
T41	T41	Tauranga	capacity 200 kVA unitised	-	646,785	766,574	69,901	-	1,483,260
Large Commercial / Industrial									
V40	V40	Valley	Individual ICP prices	-	-	-	140,652	2,579,615	2,720,267
V60	V60	Valley	Individual ICP prices	-	-	-	278,349	3,581,387	3,859,736
V601	V601	Kinleith		-	-	-	-	2,978,405	2,978,405
Tauranga Large Commercial									
T50	T50	Tauranga	Individual ICP prices	-	-	-	318,882	6,461,485	6,780,366
T601	T601	Tauranga	Individual ICP prices	-	-	-	210,340	4,175,665	4,386,005
Eastern Region Total				-	39,078,135	74,443,172	1,029,836	19,776,556	134,327,699

Eastern Network Transmission Revenue

Eastern Network				Transmission Revenue (FY20 Prices)					
	Tariff Group	Network Group	Tariff Description	Fixed (Monthly)	Fixed (Daily)	Variable	Demand	Non-standard	Total
Residential+Small Commercial									
V05C	V05C	Valley	Low Usage - Controlled	-	-	979,905	-	-	979,905
V05U	V05U	Valley	Low Usage - Uncontrolled	-	-	719,298	-	-	719,298
V05S	V05S	Valley	Low Usage - TOU	-	-	3,208,847	-	-	3,208,847
V06C	V06C	Valley	Residential - Standard Controlled	-	-	2,724,927	-	-	2,724,927
V06U	V06U	Valley	Residential - Standard Uncontrolled	-	-	2,974,487	-	-	2,974,487
V06S	V06S	Valley	Residential - Standard TOU	-	-	6,822,830	-	-	6,822,830
Tauranga									
T05C	T05C	Tauranga	Low Usage - Controlled	-	-	1,997,835	-	-	1,997,835
T05U	T05U	Tauranga	Low Usage - Uncontrolled	-	-	1,061,061	-	-	1,061,061
T05S	T05S	Tauranga	Low Usage - TOU	-	-	918,414	-	-	918,414
T06C	T06C	Tauranga	Standard Residential & Commercial - Controlled	-	-	6,365,573	-	-	6,365,573
T06U	T06U	Tauranga	Standard Residential & Commercial - Uncontrolled	-	-	7,193,803	-	-	7,193,803
T06S	T06S	Tauranga	Standard Residential & Commercial - TOU	-	-	1,495,935	-	-	1,495,935
Unmetered Supply									
V01	V01	Valley	Unmetered/Streetlighting	-	-	28,428	-	-	28,428
V02	V02	Valley	Unmetered/Streetlighting	-	265,077	-	-	-	265,077
T01	T01	Tauranga	Unmetered/Streetlighting	-	-	97,767	-	-	97,767
T02	T02	Tauranga	Unmetered/Streetlighting	-	305,850	-	-	-	305,850
Medium Commercial									
V24	V24	Valley	Commercial three phase 100A	-	-	1,662,469	-	-	1,662,469
V28	V28	Valley	> 200 Amp up to 299 kVA	-	-	259,793	-	-	259,793
T22	T22	Tauranga	Capacity 100 – 199kVA	-	-	1,361,092	-	-	1,361,092
T24	T24	Tauranga	Capacity 200 -299kVA	-	-	145,708	-	-	145,708
T41	T41	Tauranga	capacity 200 kVA unitised	-	-	440,364	-	-	440,364
Large Commercial / Industrial									
V40	V40	Valley	Individual ICP prices	-	-	-	-	1,478,420	1,478,420
V60	V60	Valley	Individual ICP prices	-	-	-	-	5,372,685	5,372,685
V601	V601	Kinleith	Individual ICP prices	-	-	-	-	5,965,359	5,965,359
T50	T50	Tauranga	Individual ICP prices	-	-	-	-	4,811,665	4,811,665
T601	T601	Tauranga	Individual ICP prices	-	-	-	-	4,308,381	4,308,381
Eastern Region Total				-	570,927	40,458,538	-	21,936,510	62,965,976