Orion New Zealand Limited
Customised Price-Quality Path
Determination 2013

Compliance statement

For the year ending 31 March 2015

Issued 10 June 2015

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INTRODUCTION

1 Orion New Zealand Limited (Orion) owns and operates the electricity distribution network in central Canterbury between the Waimakariri and Rakaia rivers, and from the Canterbury coast to Arthur's Pass. Our network covers 8,000 square kilometres of diverse geography, including Christchurch city, Banks Peninsula, farming communities and high country regions. We receive electricity from Transpower's national grid at nine separate locations and we distribute this electricity to approximately 190,000 homes and businesses.

2 We charge electricity retailers on a wholesale basis for this delivery service. Retailers, in turn, include this cost in their retail electricity prices - our charges, including Transpower's charges, typically amount to around 38% of a household's electricity bill.

3 As a natural monopoly service provider, we are subject to government regulation under the Commerce Act 1986. Pursuant to the requirements of this Act, the Commerce Commission has set a regulatory framework that includes information disclosure regulations, default price-quality paths (DPP) and the option for distribution businesses to apply for a customised price-quality path (CPP).

4 In February 2013, to recognise the impact of the Canterbury earthquakes on our costs and supply quality, Orion applied for a customised price-quality path. Following our application and wider consultation, the Commerce Commission issued a customised price path determination (the CPP determination) on 28 November 2013 that applies to Orion and sets out a price and quality path for the period from 1 April 2014 to 31 March 2019.

5 This statement has been prepared to demonstrate our compliance, or otherwise, with the requirements in the CPP determination. Specifically, this compliance statement covers the information requirements detailed in clause 10 of the CPP determination for the year to 31 March 2015.

COMPLIANCE STATEMENTS

Price path statement

6 This year, we **satisfied** our price path requirement, with notional revenue falling $1,202.9k below our allowable notional revenue of $151,427.5k, calculated in accordance with clause 7.5 and schedule 1A of the CPP determination.

Quality standard statement

7 This year we **satisfied** our reliability requirement on the basis of clause 8.1(a) of the CPP determination which references reliability results for the current assessment period, which were:

7.1 SAIDI (duration of outages) of 100.32, 3.48 below our limit of 103.80, and

7.2 SAIFI (frequency of outages) of 1.10, 0.26 below our limit of 1.36.

Price structure and transaction statements

8 We applied a minor restructuring of our prices for Large Capacity Connections during the assessment period and have addressed this in accordance with clause 7.7 of the CPP determination, establishing alternative prior quantities for use in the calculation of notional revenue.

9 Orion has not been involved in an amalgamation or merger during the assessment period.

10 Orion has purchased two small embedded networks during the assessment period and included these as transfers governed by clause 9.3 of the CPP determination. Orion has complied with clause 9 of the CPP determination and information and calculations demonstrating compliance are included in this statement.

11 Orion purchased and transferred system fixed assets from Transpower during the assessment period and included relevant amounts and information required by clauses 10.3(d) and 10.5 of the CPP determination in this statement.

12 We prepared this compliance statement on 10 June 2015.

13 Full details supporting the statements above are included in this compliance statement.

PRICE PATH SUPPORTING INFORMATION

14 Clause 7.5 of the CPP determination requires that notional revenue (NR_t) does not exceed allowable notional revenue (ANR_t) for the assessment period, as expressed by the following condition:

$$\frac{NR_t}{ANR_t} \leq 1$$

Notional revenue

15 Using the definitions provided in clause 7.5, notional revenue is evaluated as:

$$NR_t = \sum_i P_{i,t} Q_{i,t-2} - K_t - V_t$$

where t denotes the year in which the assessment period ends, that is 2015, giving:

$$NR_{2015} = \sum_i P_{i,2015}\, Q_{i,2013} - K_{2015} - V_{2015}$$

where $\sum_i P_{i,2015}\, Q_{i,2013}$ is the sum of each (i^{th}) price during any part of the assessment period pertaining to electricity lines services, multiplied by the corresponding quantity for 2013. This expression is evaluated as $235,840.2k in the worksheet on page 7 titled *notional revenue worksheet*,

K_{2015} is the sum of all pass-through costs for the assessment period. This expression is evaluated as $4,183.4k in the worksheet on page 12 titled *pass through costs, and*

V_{2015} is the sum of all recoverable costs for the assessment period. This expression is evaluated as $81,588.2k in the worksheet on page 11 titled *recoverable costs, and*

$$\therefore NR_{2015} = \$235{,}840.2\text{k} - \$4{,}183.4\text{k} - \$81{,}588.2\text{k}$$

$$= \$150{,}068.7\text{k}$$

16 Schedule 1C of the CPP determination provides for an adjustment to include notional revenue amounts that are associated with an increase in services Orion provides as a result of a transfer of assets (an adjustment is also made to allowable notional revenue).

17 Orion purchased and transferred two embedded networks during the assessment period as detailed in the "Transactions" section of this compliance statement. The adjustment is defined in paragraph 3(a) of schedule 1(C) of the CPP determination as an adjustment to the quantities used in the calculation of notional revenue. In order to separately show the impact of this adjustment we have instead set out a separate calculation worksheet in paragraph 72.3 which calculates the notional revenue adjustment to be +$155.9k. With this adjustment, notional revenue becomes:

$$\therefore NR_{2015} = \$150{,}068.7\text{k} + \$155.9\text{k}$$

$$= \$150{,}224.6\text{k}$$

Allowable notional revenue

18 Allowable notional revenue is defined in clause 7.5 and schedule 1A of the CPP determination as:

$$ANR_{2015} = \frac{MAR_{2015} + K_{2015} + V_{2015}}{\Delta D} - K_{2015} - V_{2015}$$

Where MAR_{2015} is given as $154.8 million in clause 7.1 of the CPP determination,

ΔD is given as 1.016 in clause 7.4 of the CPP determination, and

K_{2015} and V_{2015} are the same amounts used in the evaluation of notional revenue above, $4,183.4k and $81,588.2k respectively.

$$\therefore ANR_{2015} = \frac{\$154{,}800\text{k} + \$4{,}183.4\text{k} + \$81{,}588.2\text{k}}{1.016} - \$4{,}183.4\text{k} - \$81{,}588.2\text{k}$$

$$= \$151{,}011.5\text{k}$$

19 Finally, applying the adjustment defined in paragraph 3(a) of schedule 1(C) of the CPP determination for the purchase of embedded networks, and calculated in paragraph 70.1 below as +$416.0k, allowable notional revenue becomes:

$$\therefore ANR_{2015} = \$151{,}011.5\text{k} + \$416.0\text{k}$$

$$= \$151{,}427.5\text{k}$$

20 Substituting the values calculated above in the price path condition gives:

$$\frac{NR_{2015}}{ANR_{2015}} = \frac{\$150{,}224.6\text{k}}{\$151{,}427.5\text{k}} = 0.992 < 1$$

21 Our notional revenue is $1,202.9k less than our allowable notional revenue and, as the condition is satisfied, we comply with the price requirement specified in clause 7.5 of the CPP determination.

Notional revenue worksheet

($000)

$$\sum_i P_{i,t} Q_{i,t-2} - K_t - V_t$$

Components (i)	Assessed delivery prices ($P_{i,2015}$)		Quantities ($Q_{i,2013}$)	Days applicable	Notional annual delivery charges ($P_{i,2015}$ x $Q_{i,2013}$)
Streetlighting, general and irrigation connections					
Streetlighting fixed charge	12.43	¢/day	43,223.5 cons	365	1,961.0
Streetlighting and general connections	52.71	¢/kW/day	477,463 kW	365	91,859.9
Peak charge (peak period demand)					
Streetlighting, general and irrigation connections volume charge					
Working weekdays (7am - 9pm)	8.426	¢/kWh	1,056,404 MWh		89,012.6
Nights, weekends and holidays	1.081	¢/kWh	1,300,916 MWh		14,062.9
General connections					
Low power factor charge	20.00	¢/kVAr/day	0 kVAr	365	-
Irrigation connections					
Capacity charge	52.17	¢/kW/day	71,453.0 kW	182	6,784.4
Power factor correction rebate	(17.85)	¢/kVAr/day	26,587.2 kW	182	(863.8)
Interruptibility rebate	(4.46)	¢/kW/day	41,132.5 kW	182	(334.1)
Major customer connections and embedded networks					
Fixed charge					
Fixed (Standard connections)	182.18	¢/day	357.91 cons	365	238.0
Fixed (Secondary connections)	96.97	¢/day	14.00 cons	365	5.0
Peak charge (control period demand)	49.56	¢/kVA/day	90,162.23 kVA	365	16,309.8
Capacity charge					
Assessed capacity distribution	8.54	¢/kVA/day	196,261.24 kVA	365	6,117.7
Assessed capacity transmission	10.52	¢/kVA/day	191,434.03 kVA	365	7,350.7
Dedicated equipment charges					
Switchgear & protection					
11kV Circuit breakers	1,158	¢/day	23.16 items	365	97.9
11kV Xiria switch	312	¢/day	0.71 items	365	0.8
11kV Xiria circuit breaker	398	¢/day	0.00 items	365	0.0
11kV Oil switch (fused)	273	¢/day	5.00 items	365	5.0
11kV Oil switch (not fused)	159	¢/day	2.00 items	365	1.2
11kV Magnefix type UT	274	¢/day	8.00 items	365	8.0
11kV Magnefix type 1K2T	510	¢/day	7.00 items	365	13.0
11kV Magnefix type 1K3T	694	¢/day	2.00 items	365	5.1
11kV Magnefix type 2K1T	425	¢/day	15.00 items	365	23.3
11kV Magnefix type 2K2T	689	¢/day	6.00 items	365	15.1
11kV Magnefix type 2K3T	751	¢/day	0.00 items	365	0.0
11kV Magnefix type 2KBK	371	¢/day	0.00 items	365	0.0
11kV Magnefix type 3K	335	¢/day	1.00 items	365	1.2
11kV Magnefix type 3K1T	537	¢/day	4.00 items	365	7.8
11kV Magnefix type 4K1T	673	¢/day	0.00 items	365	0.0
11kV Magnefix type KB2KBK	456	¢/day	1.00 items	365	1.7
11kV Magnefix type KBX	214	¢/day	6.00 items	365	4.7
11kV Magnefix type KTB	299	¢/day	2.08 items	365	2.3
11kV Overcurrent relays	165	¢/day	21.16 items	365	12.7
11kV Air break isolators (ABI)	286	¢/day	0.00 items	365	0.0
Metering interface					
Current transformers (3ph set)	145	¢/day	63.29 items	365	33.5
Voltage transformers	369	¢/day	45.13 items	365	60.8
Test blocks	6	¢/day	63.29 items	365	1.4
11kV integral CT/VT unit	1,043	¢/day	9.71 items	365	37.0

Continued over .....

Other equipment					
Full kiosks	299	¢/day	13.00 items	365	14.2
Half kiosks	207	¢/day	19.38 items	365	14.6
11kV Underground cabling	286	¢/km/day	0.90 km	365	0.9
11kV Overhead lines	184	¢/km/day	3.00 km	365	2.0
Distr bution transformers (pole mounted)					
50 kVA pole	195	¢/day	7.00 items	365	5.0
100 kVA pole	290	¢/day	3.00 items	365	3.2
150 kVA pole	367	¢/day	0.00 items	365	0.0
Distr bution transformers (pad mounted)					
100 kVA	397	¢/day	2.0 items	365	2.9
150 kVA	436	¢/day	2.0 items	365	3.2
200 kVA	512	¢/day	22.8 items	365	42.6
250 kVA	560	¢/day	3.0 items	365	6.1
300 kVA	607	¢/day	72.0 items	365	159.5
400 kVA	748	¢/day	12.6 items	365	34.4
500 kVA	889	¢/day	98.4 items	365	319.2
600 kVA	1,004	¢/day	5.0 items	365	18.3
750 kVA	1,175	¢/day	82.9 items	365	355.6
750 kVA (dry)	1,597	¢/day	1.0 items	365	5.8
1000 kVA	1,398	¢/day	59.4 items	365	302.9
1250 kVA	1,915	¢/day	3.0 items	365	21.0
1500 kVA	2,226	¢/day	5.0 items	365	40.6
2000 kVA	2,343	¢/day	0.0 items	365	0.0
Large capacity connections					
Ops, maint & admin (dedicated assets)	3.932	$/kVA/year	6,236.0 kVA	365	24.5
Ops, maint & admin (shared assets)	22.755	$/kVA/year	6,067.1 kVA	365	138.1
Asset charge (dedicated assets)	5.691	$/kVA/year	6,236.0 kVA	365	35.5
Asset charge (shared assets)	48.567	$/kVA/year	6,067.1 kVA	365	294.7
Interconnection charge (winter)	70.358	$/kVA/year	1,293.6 kVA	365	91.0
Interconnection charge (summer)	57.360	$/kVA/year	4,840.6 kVA	365	277.7
Connection charge	7.491	$/kVA/year	4,840.6 kVA	365	36.3
Ops, maint & admin (dedicated assets)	5.296	$/kVA/year	5,500.0 kVA	365	29.1
Ops, maint & admin (shared assets)	7.409	$/kVA/year	4,692.2 kVA	365	34.8
Asset charge (dedicated assets)	15.154	$/kVA/year	5,500.0 kVA	365	83.3
Asset charge (shared assets)	21.199	$/kVA/year	4,692.2 kVA	365	99.5
Interconnection charge (winter)	68.647	$/kVA/year	196.6 kVA	365	13.5
Interconnection charge (summer)	55.966	$/kVA/year	3,650.8 kVA	365	204.3
Connection charge	2.576	$/kVA/year	3,650.8 kVA	365	9.4
Customer investment contract charge	72.757	$/kVA/year	5,500.0 kVA	365	400.2
Export and generation (distribution part only)					
Real power component	(38.38)	$/kW/year	2,006.8 kW		(77.0)
Reactive power component	(12.61)	$/kVAr/year	1,223.9 kW		(15.4)
Generation credits	(30.00)	¢/kWh	110,884.0 kWh		(33.3)
Miscellaneous					
Monthly invoice charge	20.00	$/invoice	279 inv/yr		5.6
Notional charges					**235,840.2**
less Pass-through costs (K_{2015})					4,183.4
less Recoverable costs (V_{2015})					81,588.2
Notional revenue (NR_{2015})					**150,068.7**

Notes:

1. The irrigation capacity charge and rebates are applied from 1 October to 31 March only.
2. Quantities for large capacity connections are adjusted to reflect the restructuring of prices, as detailed below.
3. Entries for export and generation represent the distribution part of payments only; the transmission part is included as an avoided transmission cost.
4. All prices and charges exclude GST.
5. The quantity adjustment for the purchase and transfer of assets defined in schedule 1C of the CPP determination is not included in the worksheet above, and instead set out separately in the Transactions section of this compliance statement below.

Restructuring of Large Capacity Connection prices

22 On 1 April 2014 during the assessment period we introduced a "contracted capacity" based charge for our Large Capacity Connections. Prior to this date all charges had been applied against various metered maximum electrical loadings.

23 The new charge applies to all components marked as being for "dedicated assets" in the calculation of notional charges for Large Capacity Connections in the worksheet above.

24 As a result, there is no chargeable quantity from 2013 to apply against the new price in 2015 in the calculation of notional revenue. To address this we have taken the approach given in clause 7.7 of the CPP determination.

25 We established alternative prior quantities based on our assessment of the contracted capacity that applied in the 2013 year (even though it was not used for charging during that period), and set out the information required by clause 7.7 of the determination as follows:

	Alternative quantity 1	**Alternative quantity 2**
Forecast 2015 quantity (established at the time prices were restructured)	7,250 kVA	13,000 kVA
Actual 2015 quantity	7,250.0 kVA	13,000.0 kVA
Alternative 2013 quantity (used in the calculation of notional revenue)	6,236.0 kVA	5,500.0 kVA
Basis of alternative quantity	The contracted capacity for this customer was first established in a delivery services agreement effective from 1 April 2013 as 7,250 kVA when the customer sought an increase in capacity for additional plant. Prior to this, the capacity of the supply assets was shared between the customer and other customers, and the agreement effectively allowed the customer to operate the plant they had installed. On this basis we have assessed the effective "contracted capacity" for the prior period as being the actual peak loading level reached by the customer with the plant installed at the time, which was 6,236.0 kVA on 19 January 2013 between 11am and 11:30am.	The capacity for this customer was contracted as: • 5,500 kVA from 7 September 2011, • 12,000 kVA from 30 July 2013, then • 13,000 kVA from 1 January 2014. The entire 2013 period falls within the period where the contracted capacity was 5,500 kVA, and we have used this as the alternative prior period quantity.

26 In context, these new contracted capacity charge components account for just 0.1% of our delivery revenue, so the calculation of notional revenue and the result with respect to allowable notional revenue is not sensitive to the determination of these alternative prior quantities.

Pass through costs and recoverable costs

27 Pass through costs and recoverable costs are specified in the CPP determination so that changes in the amounts can be directly reflected in prices.

28 Recoverable costs include transmission charges (including charges payable to Transpower and avoided transmission charges), system operator charges, transmission payments to distributed generators, and a range of fees associated with the CPP proposal.

29 The following table of recoverable costs shows the recoverable cost amounts for the assessment period, the amounts we forecast for the assessment period when setting prices, and actual amounts for the prior period:

Recoverable costs

	IM reference[1]	Actual $000	Forecast $000	Prior year Actual $000
Transpower and System Operator charges				
Connection	3.1.3(1)(b)	7,338.3	7,350.4	9,104.2
Interconnection	3.1.3(1)(b)	67,211.4	67,211.4	57,003.7
New investment	3.1.3(1)(c)	3,183.8	3,153.9	4,920.9
System Operator charges	3.1.3(1)(d)	nil	nil	nil
		77,733.5	77,715.7	71,028.8
Avoided transmission charges				
Papanui connection charges avoided (purchased 1/8/2012)	3.1.3(1)(e)	1,262.2	1,262.2	1,368.5
Springston connection charges avoided (purchased 31/3/2014)	3.1.3(1)(e)	838.8	838.8	nil
Springston new investment charges avoided (purchased 31/3/2014)	3.1.3(1)(e)	198.2	175.6	nil
Bromley connection charges avoided (purchased 1/4/2014)	3.1.3(1)(e)	901.4	881.1	nil
		3,200.6	3,157.7	1,368.5
Transmission part of distributed generation payments				
Export credits	3.1.3(1)(f)	174.2	172.6	142.6
Generation credits	3.1.3(1)(f)	40.0	36.4	39.6
		214.2	209.0	182.2
CPP costs[2]				
CPP application fee	3.1.3(1)(h)	5.0	5.0	na
CPP assessment fee	3.1.3(1)(i)	317.8	356.6	na
CPP Verifier fee	3.1.3(1)(j)	51.5	51.5	na
CPP Auditor's fee	3.1.3(1)(k)	61.7	61.7	na
CPP Engineer's fee	3.1.3(1)(l)	3.9	3.9	na
		439.9	478.7	na
Total recoverable costs		**81,588.2**	**81,561.1**	**72,579.5**

[1] Clause reference to the Electricity Distribution Services Input Methodologies Determination 2012

[2] See appendix E for calculation of CPP cost instalments

30 The CPP determination sets out additional information requirements in clause 10.3(d)(ii) and (iii). This information and related calculations are included in Appendix C to this compliance statement.

31 Pass-through costs include rates payable to territorial local authorities, Electricity Authority levies, Commerce Act levies and the Electricity and Gas Complaints Commissioner charges.

32 The following table of pass through costs shows the pass through amounts for the assessment period, the amounts we forecast for the assessment period when setting prices, and actual amounts for the prior period:

Pass through costs

	IM reference[3]	**Actual** $000	**Forecast** $000	**Prior year Actual** $000
Local authority rates	3.1.2(2)(a)	2,967.1	2,303.0	2,266.4
Electricity Authority levies	3.1.2(2)(b)(ii)	625.6	490.0	378.8
Commerce Commission levies	3.1.2(2)(b)(i)	435.3	505.0	395.4
Prior Commerce Commission levies[4] (final fifth instalment)	3.1.2(2)(b)(i)	83.6	83.6	83.6
Electricity and Gas Complaints Commissioner scheme levies	3.1.2(2)(b)(iii)	71.8	79.0	NA
Total pass through costs		**4,183.4**	**3,460.6**	**3,124.2**

[3] Clause reference to the Electricity Distribution Services Input Methodologies Determination 2012

[4] Included under CPP determination schedule 2 paragraph 5

Variances from forecasts

33 Clause 10.3(c) of the CPP determination requires an explanation of any differences between forecast and actual pass through and recoverable costs. Such variances are normal and expected, because forecasts, by their very nature, are predictions or estimates. In many cases there is no concise reason for the variation other than to observe that the result was different.

34 The following table shows recoverable costs and pass through costs from above where the actual result varied by more than 2% from the forecast amount, and provides an explanation of each variance.

Cost category	Variance		Explanation
	$000	%	
Springston new investment charges avoided	22.6	+12.9%	The new investment charges that were avoided are subject to an annual "risk free rate adjustment" which was not taken into account when prices were set on the basis that it does not materially affect the total transmission cost forecast.
Bromley connection charges avoided	20.3	+2.3%	The final purchase occurred two months after prices were set and resulted in the avoidance of land charges which were not initially anticipated.
Generation credits	3.6	+9.9%	Generation credits are provided for generation support during weather related high loading periods, and the duration of this is highly variable. The actual result is unusually close to the forecast figure as variances are greater most years.
CPP assessment fee	(38.8)	-10.9%	At the time prices were set and advised to contracted parties in January 2014, the Commerce Commission was unable to advise its final charge, and on 10 March 2014 it advised that it was processing a refund of $266.9k. We had forecast this refund to be $100k (which was based only on a verbal indication that some amount of refund was due). The 5 year instalment calculation reduces this variance to $38.8k.
Local authority rates	664.1	+28.8%	The local authority reviewed and updated its rateable valuations during the year and the value of our infrastructure assets that are included within the rateable value increased more than average property values, attracting a higher proportion of rates.
Electricity Authority levies	135.6	+27.7%	Our forecast was based on the current charges at the time prices were set with an additional 4.04% loading consistent with the Electricity Authority's statement of intent. Actual charges were more than forecast.
Commerce Commission levies	(69.7)	-13.8%	Our forecast was based on the Commerce Commission's discussion document issued in June 2013 showing total costs for the electricity sector increasing by 22% from the Commission's FY14 to FY15 and applying this same adjustment to our quarterly charges at the time for the remaining 3 quarters. Actual charges were less than indicated by the Commerce Commission.
Electricity and Gas Complaints Commissioner scheme levies	(7.2)	-9.1%	Our forecast assumed 2% growth on levies that applied at the time prices were set. Actual charges were lower.

Revenue excluded from the price path assessment

35 **Other revenue** - We directly charge customers for very few other services, and make extensive use of external contractors rather than maintaining contracting staff in-house. Customers requiring electrical work are generally referred to their own electrical contractor, or to a number of Orion-approved contractors for major work. Customers then pay the contractor directly. We provide other services without charge (such as decommissioning of connections).

36 The sundry revenue we do receive is from services including rentals from Vodafone cabling, advertising, leasing, temporary supply box hire, limited field service activities and upper South Island load coordination services. The Commerce Commission has deducted this sundry revenue in establishing our maximum allowable revenue (MAR) figure. Consistent with this, we have not included this revenue in our notional revenue calculation which is compared against allowable notional revenue (which is derived from MAR).

37 **Capital contributions** - Assets vested in Orion by customers in the form of capital contributions are taken at nil value, are not added to our regulatory asset base and are therefore excluded from this price path assessment.

38 Consistent with this exclusion, revenue from cash capital contributions, which is taken to offset the asset value in our regulatory asset base, is also excluded from this price path assessment.

QUALITY STANDARD SUPPORTING INFORMATION

39 The CPP determination sets out a quality standard that considers reliability results against reliability limits set for each year of the 5 year regulatory period. To comply, Orion must demonstrate that it has either met the reliability limits in the assessment period, or has met the reliability limits in both the preceding two assessments periods. As this is the first assessment period within the regulatory period, only the former of these two tests can be applied.

40 Two measures of reliability are assessed:

40.1 SAIDI, or system average interruption duration index, which reflects the average number of minutes a customer is off for each year, and

40.2 SAIFI, or system average interruption frequency index, which reflects the average number of interruptions a customer has each year.

41 The following section describes our policies and procedures for recording outage information, and this is followed by a summary of the calculation of our reliability results.

Recording reliability information

42 Orion has been developing its network management system over recent years and in November 2011 we commissioned an outage management system to operate under our new “PowerOn” SCADA network management system. Significantly, the new system maintains a live model of our high voltage network which includes information on customer connection points.

43 For planned outages and following network faults, our network controllers follow sequential operating orders to carry out switching and configuration changes on the network to bypass affected assets and facilitate planned or remedial work. At each point during these operating orders PowerOn shows the number of connections affected, together with switching points and switching times.

44 Initially, both planned and unplanned outages are reported on our website providing a live display of outages, for example:

Incident number	Area affected / Cause	First customer off at	Last customer restored at
INCD-10100-C	Greenpark Line fault	15 Jun 10:29 a.m.	15 Jun 11:00 a.m.
INCD-91093-B	Broadfield, Ladbrooks, Lincoln, Prebbleton, Weedons Line fault	14 Jun 10:12 a.m.	14 Jun 12:52 p.m.
INCD-88840-B	Sockburn Planned	14 Jun 8:23 a.m.	15 Jun 6:33 p.m.
INCD-91081-B	Greenpark, Tai Tapu Network fault HV network	14 Jun 1:00 a.m.	14 Jun 2:05 a.m.

Outage details	Back to list
Incident number:	INCD-91081-B
Progress status:	Closed
Affected component:	River Rd - HA5/225, HV Fuses
Cause of outage:	Network fault HV network
Total customers affected:	34
Areas:	Greenpark, Tai Tapu
Streets:	Gilmours Rd, Lincoln Tai Tapu Rd, River Rd
Comments:	
First customer off at:	14/06/2014 1:00 a.m.
Last customer restored at:	14/06/2014 2:05 a.m.

45 Prior to 1 October 2014 our network operators manually collated the results of outage information from PowerOn on a manual switching operation sheet for outages that meet the CPP determination's definition of interruption (that is, the outage occurs at a prescribed voltage, lasts more than a minute and affects at least one customer).

46 The manual switching operation sheet for the outages noted above were:

SWITCHING OPERATIONS SHEET

Date Off	Time Off	District Substation	Primary Feeder	Substation	Feeder	CB,Sw or fuse that cleared fault.	Volt-age	Asset Affected	Cause of Failure	Comments.	O/O Name.	O/O or Fault No.	Date On.	Time On.	ICPs On
14/6	① 0100 ② 0124	LINCOLN	123			HA5/104 SIL	11KO	lines	broken LA		River Rd	F-144406	14-6	① 0205 0205	7 ① 27 ②
14-6	0623	Sockburn	122		Main sth Rd No 153	Main sth Rd No 121 Insia main South Rd No 115A	11kv	Tx	Programmed		Main sth Rd No 115A	T-33193B	15-6	1833	1
14-6	1012	Springston 2S	113		Waterholes Rd	Slands rd ABS C13/368	11KV	line	Burnt Crossarm		Robinsons Rd L4/61	F-14487-B	14-6	1252	106

47 Note that individual outages can affect customers at different times and outages are often restored in stages. Each stage is recorded separately to accurately determine the duration of the outage for each group of customers (as shown in the first entry in the example above).

48 Following a checking and sign-off process, outages were then recorded permanently in a network faults database, which was used as the source for all reliability disclosures. The outage entries above are represented in this database with the following records:

Incident Number	Zone Sub	Cause of Failure	Regulatory Reporting Class	Date Time Off	Date Time On	Minutes Off	Customers Affected	Comments
INCD-91093-B	Springston	Plant Failure	Orion unplanned	14/6/14 10:12 a.m.	14/6/14 12:52 p.m.	160	106	Crossarm Failed, Robinsons Rd
INCD-91081-B	Lincoln	Plant Failure	Orion unplanned	14/6/14 1:24 a.m.	14/6/14 2:05 a.m.	41	27	Failed LA, River Rd
INCD-91081-B	Lincoln	Plant Failure	Orion unplanned	14/6/14 1:00 a.m.	14/6/14 2:05 a.m.	65	7	Failed LA, River Rd
INCD-88840-B	Sockburn	Programmed Outage	Orion planned	14/6/14 8:23 a.m.	15/6/14 6:33 p.m.	2,050	1	Job J33193B

49 We have been enhancing our PowerOn system and from 1 October we moved to automatically collate a record of outage results within the system, eliminating the manual steps and separate faults database.

50 To provide an example, the outage entries above were collated in the PowerOn test system and recorded as follows:

Outage Statistics between 14-Jun-2014 and 14-Jun-2014

Excluding incidents affecting no customers

Run on 5-Mar-2015
Outage Statistics for Date Range

Date	Incident #	Type	Stages	Off	On	Mins Off	# Custs	Cust Mins	Planned	Status	Description
14-Jun-14	3					2275	141	20572			
	INCD-91081-B	Orion Fault HV	2	14/06 01:00	14/06 02:05	65.0	34	1562	0	0	River Rd - HA5/225, HV Fuses
		Stage No:	1	14/06 01:00	14/06 02:05	65.0	7	455			
		Stage No:	2	14/06 01:24	14/06 02:05	41.0	27	1107			
	INCD-88840-B	Orion Planned HV	1	14/06 08:23	15/06 18:33	2050.0	1	2050	1	0	Main South Rd No.115A BS - C10/118,
		Stage No:	1	14/06 08:23	15/06 18:33	2050.0	1	2050			
	INCD-91093-B	Orion Fault HV	1	14/06 10:12	14/06 12:52	160.0	106	16960	0	0	Shands Rd - C13/368, ABI
		Stage No:	1	14/06 10:12	14/06 12:52	160.0	106	16960			

....

Zone	Voltage	Substation	Feeder	Controller Comments	Cause	Outage #
Rural - Distribution	11kV	Lincoln - HA5/192	Unit 123		Condition Deterioration	FREP-30925-B
Urban - Distribution	11kV	Sockburn - C10/611	Unit 122			FREP-30177-B
Rural - Distribution	11kV	Springston - L8/155	Unit 113		Condition Deterioration	FREP-30929-B

51 The results in the above Outage Statistics report are checked for accuracy by our network control centre, with results reviewed against operating orders. At the end of each month, following checks and validation, a final report for the month is signed off by the control centre manager.

52 For both the manual and automated recording systems described above, the following details are recorded:

52.1 interruption type (planned or unplanned, originating on Orion's network or on Transpower's network);

52.2 district substation affected;

52.3 feeder affected;

52.4 asset type affected;

52.5 cause of interruption;

52.6 time/date off for each loss of supply stage;

52.7 time/date for each restoration stage;

52.8 number of consumers affected in each stage; and

52.9 explanatory notes.

53 Finally, to establish our system-average reporting measures, the total number of connected consumers on the network is obtained from our connections database. We maintain details of all our network connections on this database, and we regularly undertake reconciliations with the Electricity Authority Registry.

System fixed assets transferred from Transpower

54 Orion purchased some of Transpower's assets (including all 11kV assets and some 66kV assets) at the Bromley grid exit point on 1 April 2014 during the assessment period. Clause 10.5 of the CPP determination requires us to demonstrate whether or not the transfer increased our assessed values. There were no interruptions recorded on the transferred assets during the assessment period so the transfer did not increase our assessed values.

Reliability Limits

55 The reliability limits for the assessment period are given in table 2 of schedule 3 of the CPP determination as:

$$SAIDI_{LIMIT} = 103.8$$

$$SAIFI_{LIMIT} = 1.36$$

Assessed Values

56 The total duration and number of outages is accumulated to calculate the SAIDI and SAIFI indices. The results (prior to normalising the data for extreme events), and prior year results for comparison, were:

56.1 Duration of interruptions:

Year to	31 March 2015	31 March 2014	31 March 2013
Unplanned minutes lost (class C)	21,936,281	87,584,074	15,661,519
Planned minutes lost (class B)	2,031,086	2,014,955	2,153,983
	23,967,367	89,599,029	17,815,502
Average number of customers	190,045	189,116	189,968
SAIDI			
Unplanned	115.43	463.12	82.44
Planned	10.69	10.65	11.34
Total	**126.11**	**473.78**	**93.78**

56.1 Frequency of interruptions:

Year to	**31 March 2015**	**31 March 2014**	**31 March 2013**
Unplanned outages (class C)	216,080	244,705	177,317
Planned outages (class B)	7,023	5,598	7,050
	223,103	250,303	184,367
Average number of customers	190,045	189,116	189,968
SAIFI			
Unplanned	1.14	1.29	0.93
Planned	0.04	0.03	0.04
Total	**1.17**	**1.32**	**0.97**

Normalising the reliability results

57 The CPP determination provides for the normalisation of results to mitigate the impact of extreme events and provide a view of underlying reliability results. In the assessment period we identified 5 days that met the definition of a major event day (MED) as the daily SAIDI exceeded the 6.2 minute boundary value given in the CPP determination.

58 The assessment dataset is normalised by adjusting the results on major event days by replacing the daily SAIDI with the SAIDI boundary value of 6.2 and reducing the daily SAIFI to the SAIFI boundary value of 0.09 (if it is greater). The changes are:

Major event day adjustments

Date	Daily SAIDI adjustment	Daily SAIFI adjustment	Cause
18 April 2014	11.28 reduced to 6.2	0.035 unchanged	Good Friday wind and rain storm, 180mm of rain recorded in Akaroa with outages and access issues mainly affecting Banks Peninsula.
9 July 2014	21.85 reduced to 6.2	0.164 reduced to 0.09	Fault on 66kV supply to Papanui tripped 30,000 connections for several hours late at night. Second circuit was out of commission at Transpower's request. Cause undetermined but likely to be windblown debris in overhead lines.
15 November 2014	7.75 reduced to 6.2	0.039 unchanged	Wind storm affecting rural network areas including two significant outages caused by wind and tree damage to 33kV overhead subtransmission lines with power off for 5 hours.
22 November 2014	7.73 reduced to 6.2	0.014 unchanged	A fault on an 11kV cable termination damaged an adjacent termination on the same pole (which would normally provide the back-up supply) cutting power to the area for almost 15 hours. Our repair included physical separation of the terminations on separate poles to reduce future risk.
25 February 2015	8.18 reduced to 6.2	0.070 unchanged	A 33kV subtransmission cable fault occurred in the Sockburn area during a period of reduced network security resulting from Transpower's planned maintenance. A second outage occurred during restoration when increased loadings on backup cables (although within rated capability) triggered a second fault likely resulting from a latent defect in the cable.

59 Applying the normalisation adjustments to our calculated SAIDI and SAIFI results provides a result that is compared to the respective limits, as follows:

59.1 Duration of interruptions:

Year to	**31 March 2015**
SAIDI result	126.11
less normalisation adjustments	(25.80)
Normalised SAIDI*	**100.32**
Annual SAIDI Limit	103.8
Annual reliability result	Comply

* Calculated from unrounded components which affects the result

59.2 Frequency of interruptions:

Year to	**31 March 2015**
SAIFI result	1.17
less normalisation adjustments	(0.07)
Normalised SAIFI	**1.10**
Annual SAIFI Limit	1.36
Annual reliability result	Comply

60 Clause 8.1 of the CPP determination requires that we either:

60.1 comply with the annual reliability requirement for the assessment period (the year to 31 March 2015), or

60.2 have complied with the annual reliability requirement in both the preceding two extant assessment periods.

61 Assessment periods are defined as being within the regulatory period which commenced on 1 April 2014. On this basis, there were no prior extant assessment periods, so the latter of these tests cannot be applied, and Orion must comply with the single year annual reliability requirement.

62 The CPP determination sets out the annual reliability requirement as:

$$\frac{SAIDI_{ASSESS,t}}{SAIDI_{LIMIT}} \leq 1$$

$$\frac{SAIFI_{ASSESS,t}}{SAIFI_{LIMIT}} \leq 1$$

63 As our normalised SAIDI and SAIFI results the year ending 31 March 2015 are less than the respective limits we comply with the quality standard in clause 8.1(a) of the CPP determination.

TRANSACTIONS

Large transactions and amalgamations

64 Orion has not been a party to any large transactions during the assessment period that would meet the thresholds in clause 9.1 of the CPP determination.

65 Orion has not completed an amalgamation during the assessment period in terms of clause 9.2 of the CPP determination.

Price path adjustment for transfer of consumers

66 Orion has purchased two small embedded networks during the assessment period resulting in consumers being supplied by a different EDB in terms of clause 9.3 of the CPP determination. As a summary of the transfers:

Embedded network name:	**Wigram**	**Belfast**
Number of consumers:	289	38
Date of transfer:	31 March 2015	31 March 2015
Purchase from:	MainPower New Zealand Limited	WEL Networks Limited
Regulatory value (RAB):	$1.5m	$80k

67 The transfers are not large transactions, representing approximately 0.2% of regulatory investment value combined, and a similar percentage change in revenue, and are not required to be notified to the Commission under clause 9.1 of the CPP determination. Further, the transfers are not amalgamations in terms of clause 9.2 of the CPP determination.

68 Clause 9.3(a) of the CPP determination requires Orion's allowable notional revenue and notional revenue to be adjusted using the process in schedule 1C of the determination, which we set out as follows:

68.1 Allowable notional revenue is adjusted for the increase in Electricity Lines Services Orion supplies under 1(a) of schedule 1C by including the amounts charged by the previous supplier (calculated using the previous suppliers' prices for 2014 and quantities for 2013) with an adjustment for the movement in the CPI:

$$\pm ANR_t^{adj} = (\sum_i P_{i,t-1} Q_{i,t-2})(1 + \Delta CPI_t)$$

	Wigram		Belfast		Combined
$\sum_i P_{i,t-1} Q_{i,t-2}$	Standard fixed charge (274 connections x 15 c/day x 365 days)	15.0k	Fixed charge (33.2 connections x 12.1836 c/day x 365 days)	$1.5k	
	Uncontrolled fixed charge (4 connections x 60 c/day x 365 days)	0.9k	Continuous volume charge (284,291 kWh x 10.3999 c/kWh)	$29.6k	
	Night special fixed charge (10 connections x 20 c/day x 365 days)	0.7k	Mixed volume charge (31,190 kWh x 1.3301 c/kWh)	$0.4k	
	Standard volume charge (4,390,325 kWh x 8.261 c/kWh)	362.7k			
	Night special volume charge (25,075 kWh x 4.235 c/kWh)	1.1k			
	Total	**$380.4k**	**Total**	**$31.5k**	
$1 + \Delta CPI_t$		1.010		1.010	
$+ANR_t^{adj}$		**$384.2k**		**$31.8k**	**$416.0k**

70.1 Notional revenue is correspondingly adjusted by including an amount that reflects the increase that would likely have occurred if the additional services had been provided by Orion in the year ending 31 March two years prior to the assessment period.

70.2 Had the additional services been provided in the year to 31 March 2013 our notional revenue would increase by an amount as each embedded network would have been charged as multiple general connections, rather than two individual major customer connections. The corresponding quantities are available from the metering information for the embedded networks.

70.3 In order to show the amount of the increase explicitly we set out a separate notional revenue adjustment calculation below (rather than directly adjusting the quantities in the main calculation of notional revenue which would not show the amount of the change). The calculation uses the same prices as the main calculation of notional revenue.

	Wigram		Belfast		Combined
Additional general connection charges	936.9 kW x 52.71 c/kW/day x 365 days	$180.3k	122.2 kW x 52.71 c/kW/day x 365 days	$23.5k	
$\sum_i P_{i,t} Q_{i,t-2}$	2,301,581 kWh x 8.426 c/kWh	$193.9k	156,087 kWh x 8.426 c/kWh	$13.2k	
	2,416,221 kWh x 1.081 c/kWh	$26.1k	194,944 kWh x 1.081 c/kWh	$2.1k	
	Total	**$400.3k**	**Total**	**$38.8k**	
Reduced major customer connection charges	(1) connection x 182.18 c/day x 365 days	($0.7k)	(1) connection x 182.18 c/day x 365 days	($0.7k)	
$\sum_i P_{i,t} Q_{i,t-2}$	(854.9) kW x 49.56 c/kW/day x 365 days	($154.6k)	(94.1) kW x 49.56 c/kW/day x 365 days	($17.0k)	
	(1313.38) kW x 8.54 c/kW/day x 365 days	($40.9k)	(300.0) kW x 8.54 c/kW/day x 365 days	($9.4k)	
	(1313.38) kW x 10.52 c/kW/day x 365 days	($50.4k)	(133.8) kW x 10.52 c/kW/day x 365 days	($5.1k)	
	(2) Testblocks x 6 c/day x 365 days	($0.0k)	(1) x 200kVA Transformer x 512 c/day x 365 days	($1.9k)	
	(2) Current transformers x 145 c/day x 365 days	($1.1k)	**Total**	**($34.0k)**	
	(1) Voltage transformers x 369 c/day x 365 days	($1.3k)			
	Total	**($249.1k)**			
Net amount of increase		**$151.2k**		**$4.7k**	**$155.9k**
+ NR ^{ADJ}					

71 The adjustments increase allowable notional revenue by $416.0k and increase notional revenue by $155.9. The difference between these respective increases, $260.1k, effectively represents the additional amount Orion can charge as a result of purchasing the additional assets.

72 The combined adjustments are included in the calculation of allowable notional revenue and notional revenue in section headed *price path supporting information* above.

Quality path adjustment for transfer of consumers

73 The embedded network purchases do not meet the threshold for notification under clause 9.1 of the CPP determination, and therefore the reliability limit and assessed value adjustments set out under clause 9.3(b) of the CPP determination do not apply. In any case, the Belfast embedded network does not include any prescribed voltage electric line and therefore does not contribute to reliability results, and the Wigram embedded network has only experienced two brief outages since 2005 (both in June 2009) that would not measurably affect our reliability limits and would have no impact on assessed values.

Alternative demonstration of compliance for transactions not required

74 In relation to the transactions above, Orion is able to calculate the adjustments set out in clause 9.3 of the determination and does not propose an alternative demonstration of compliance under clause 9.4 of the CPP determination.

APPENDIX A – DELIVERY AND EXPORT PRICE SCHEDULES

Delivery prices

(applicable from 1 April 2014 to 31 March 2015)

This schedule lists the wholesale prices that Orion uses to charge electricity retailers and directly contracted customers for the electricity delivery service in Orion's network area. This delivery service includes the transmission and distribution of electricity to homes and businesses, but does not include the cost of the electricity itself. Please refer to your electricity retailer for details of retail electricity prices.

	Price Component Code[3]	Distribution	Transmission	Delivery (total)	All prices exclude GST
Streetlighting connections				*approx 44,141 connections*	
Fixed charge	SLFXD	12.43	-	12.43	¢/conn/day
Peak charge (peak period demand)	PEAK	34.43	18.28	52.71	¢/kW/day
Volume charge					
Working weekdays (7am- 9pm)	VOLWWD	5.890	2.536	8.426	¢/kWh
Nights, weekends and holidays	VOLNWH	0.698	0.383	1.081	¢/kWh
General connections				*approx 188,793 connections*	
Peak charge (peak period demand)	PEAK	34.43	18.28	52.71	¢/kW/day
Volume charge					
Working weekdays (7am- 9pm)	VOLWWD	5.890	2.536	8.426	¢/kWh
Nights, weekends and holidays	VOLNWH	0.698	0.383	1.081	¢/kWh
Low power factor charge	LPF	15.00	5.00	20.00	¢/kVAr/day
Irrigation connections				*approx 1,109 connections*	
Capacity charge	ICAP	50.31	1.86	52.17	¢/kW/day*
Volume charge					
Working weekdays (7am- 9pm)	VOLWWD	5.890	2.536	8.426	¢/kWh
Nights, weekends and holidays	VOLNWH	0.698	0.383	1.081	¢/kWh
Rebates					
Power factor correction rebate	PFC	(17.85)	-	(17.85)	¢/kVAr/day*
Interruptibility rebate	INT	(4.46)	-	(4.46)	¢/kW/day*
		* applied from 1 October to 31 March only			
Major customer and embedded network connections				*approx 425 connections*	
Fixed charge					
Fixed (standard connections)	STDFXD	182.18	-	182.18	¢/conn/day
Fixed (secondary connections)	SECFXD	96.97	-	96.97	¢/conn/day
Dedicated equipment		see separate price schedule			
Peak charge (control period demand)	CPD	30.52	19.04	49.56	¢/kVA/day
Capacity charge (assessed capacity)	CAP	8.54	10.52	19.06	¢/kVA/day
Large capacity connections				*10 connections*	
Distribution and transmission charges			*individually assessed*		
Miscellaneous					
Monthly invoice charge to retailers and directly contracted customers	INVFXD	20.00	-	20.00	$/invoice

Notes

1. Full details on how we apply these prices are included in the document *Application of delivery prices*, available on our website.
2. Peak and volume prices for streetlighting, general connections and irrigation connections are applied to peak loadings and volumes derived from measurements taken at grid exit points, and it is appropriate to allow for normal network losses when assessing the contribution individual connections make to these charges. All other prices in this schedule are applied against measurements or ratings taken at the connection.
3. The price component code is used in our mandatory 'electricity information exchange protocol' files, where distribution and transmission components are set out separately. All transmission components will use the given code with '-T' appended.

Dedicated equipment prices

(applicable from 1 April 2014 to 31 March 2015)

The prices below are applied in respect of Orion owned equipment that is permanently installed and dedicated to a major customer connection. Full details on how we apply these prices are included in the document *Application of delivery prices*, available on our website.

	Price Component Code[3]	Distribution Price	excluding GST
Switchgear & protection			
11kV Circuit breakers	MEOILCB	1,158	¢/day
11kV Xiria switch	MEXSW	312	¢/day
11kV Xiria circuit breaker	MEXCB	398	¢/day
11kV Oil switch (fused)	MEOILSWF	273	¢/day
11kV Oil switch (not fused)	MEOILSWN	159	¢/day
11kV Magnefix type UT	MEXUT	274	¢/day
11kV Magnefix type 1K2T	MEX1K2T	510	¢/day
11kV Magnefix type 1K3T	ME1K3T	694	¢/day
11kV Magnefix type 2K1T	ME2K1T	425	¢/day
11kV Magnefix type 2K2T	ME2K2T	689	¢/day
11kV Magnefix type 2K3T	ME2K3T	751	¢/day
11kV Magnefix type 2KBK	ME2KBK	371	¢/day
11kV Magnefix type 3K	ME3K	335	¢/day
11kV Magnefix type 3K1T	ME3K1T	537	¢/day
11kV Magnefix type 4K1T	ME4K1T	673	¢/day
11kV Magnefix type KB2KBK	MEKB2KBK	456	¢/day
11kV Magnefix type KBX	MEKBX	214	¢/day
11kV Magnefix type KTB	MEKTB	299	¢/day
11kV Overcurrent relays	MEOCR	165	¢/day
11kV Air break isolators (ABI)	MEABI	286	¢/day
Metering interface			
Current transformers (3ph set)	MECT3PH	145	¢/day
Voltage transformers	MEVT	369	¢/day
Test blocks	METB	6	¢/day
11kV integral CT/VT unit	ME11KVMET	1,043	¢/day
Other equipment			
Full kiosks	MEEHFK	299	¢/day
Half kiosks	MEEHHK	207	¢/day
11kV Underground cabling	MEUNDER	286	¢/km/day
11kV Overhead lines	MEOVERN	184	¢/km/day
Distribution transformers (pole mounted)			
50 kVA pole	MEOH050T	195	¢/day
100 kVA pole	MEOH100T	290	¢/day
150 kVA pole	MEOH150T	367	¢/day
Distribution transformers (pad mounted)			
100 kVA	ME0100T	397	¢/day
150 kVA	ME0150T	436	¢/day
200 kVA	ME0200T	512	¢/day
250 kVA	ME0250T	560	¢/day
300 kVA	ME0300T	607	¢/day
400 kVA	ME0400T	748	¢/day
500 kVA	ME0500T	889	¢/day
600 kVA	ME0600T	1,004	¢/day
750 kVA	ME0750T	1,175	¢/day
750 kVA (dry)	ME0750TD	1,597	¢/day
1000 kVA	ME1000T	1,398	¢/day
1250 kVA	ME1250T	1,915	¢/day
1500 kVA	ME1500T	2,226	¢/day
2000 kVA	ME2000T	2,343	¢/day

Notes

1. Equipment prices include standard maintenance, replacement (at end of useful life) and component certification (where appropriate). Initial installation costs and non-recoverable assets costs are charged in addition.
2. Other services may be provided on a 'fee for service' basis by agreement.
3. The price component code is used in our mandatory 'electricity information exchange protocol' files, where distribution and transmission components are set out separately.

Export and generation credits

(applicable from 1 April 2014 to 31 March 2015)

This schedule lists the credit prices that we use to credit electricity retailers or directly contracted customers for exports or contributions from their distributed generation. The credits do not represent the purchase of electricity. They are a recognition of the value to Orion in providing its delivery service. Credits are only available for generation approved by Orion and customers must apply in advance. For further details refer to the document *Application of export and generation credits*, available on our website.

Export credit pricing

Orion provides credits for electricity exported on to Orion's network during specified periods. The prices for these credits are:

Generator output	Period applied	Price Component Code[3]	Distribution	Transmission	Delivery	All prices exclude GST
0 - 30kW generation[2]						
Anytime credits (without PV), or	Anytime	EXPA	0.438	0.612	1.050	¢/kWh
Anytime credits (with PV)	(24 hours, 7 days)	EXPAPV	0.015	0.021	0.036	¢/kWh
0 - 30kW generation[2]						
Peak period credits (with or without PV)	Chargeable peak period	EXPPP	30.70	42.86	73.56	¢/kWh
30 - 750kW Control period credits						
- real power, plus	Chargeable control	EXPCP1	38.38	53.57	91.95	$/avg kW/yr
- reactive power	period	EXPCP2	12.61	0.00	12.61	$/avg kVAr/yr
above 750 kW	*Individually assessed prices provided on application*					

Notes for export credit pricing

1. Full details covering generation and metering requirements and application of prices are included in the document *Application of export and generation credits*, available on Orion's website.
2. Small 0 to 30kW generators may elect (in advance) to receive the alternative peak period based credits, subject to the installation of appropriate metering to record peak period export.
3. The price component code is used in our mandatory 'electricity information exchange protocol' files, where distribution and transmission components are set out separately. All transmission components will use the given code with '-T' appended.
4. Credit quantities for reactive power (kVAr) export is limited to 33% of the credit quantity for real power (kW) export in each half hour period, the equivalent of exporting with a 0.95 lagging power factor.
5. Approximately 24 connections are approved for export credits.

Generation credit pricing

In addition to the credits above, Orion provides credits for generation at other times. These credits are based on the generated volume, regardless of whether this results in export from the connection, and are available to consumers with generation in excess of 500kW.

Generator output	Period applied	Price Component Code[3]	Distribution	Transmission	Delivery	All prices exclude GST
500 - 1200 kW Generation period	Orion's ripple signalled generation period	GEN1	30.00	30.00	60.00	¢/kWh
above 1200 kW	*Individually assessed prices provided on application*					

Notes for generation credit pricing

1. Full details covering generation requirements and the application of credit prices are included in the document *Application of export and generation credits*, available on our website.
2. These prices apply for pre-approved generation during our ripple signalled generation period. The total duration of generation periods is likely to vary significantly from year to year. In some years there may be no generation periods.
3. The price component code is used in our mandatory 'electricity information exchange protocol' files, where distribution and transmission components are set out separately. All transmission components will use the given code with '-T' appended.
4. Approximately 16 connections are approved for generation credits.

APPENDIX B – EVIDENCE OF RECOVERABLE COST AMOUNTS PAID TO TRANSPOWER

The invoices below provide the evidence required by clause 10.3(e) of the determination of charges paid to Transpower and included as recoverable costs. A representative set of monthly invoices (October 2014) is shown for amounts that remain the same throughout the year, and additional invoices are shown as evidence of the other specific amounts included as recoverable costs.

The amounts included in the invoices below can be cross-referenced against <u>all</u> recoverable cost amounts paid to Transpower included in the schedule in Appendix D.

TRANSPOWER

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Orion New Zealand Limited
PO BOX 13896
CHRISTCHURCH 8141

Tax Invoice	**0001092338**
GST No:	50-038-057
Invoice Date:	31/10/2014
Customer ID:	ORON
Account Manager:	Nicola Downes-Hogg
Due Date:	**20/11/2014**
Page:	1

Reference	Description	Amount	
Addington	Connection Charge for Oct 2014	235,949.88	
ddington	Interconnection Charge for Oct 2014	1,249,850.23	
	Sub-Total Addington		**1,485,800.11**
Arthurs Pass	Connection Charge for Oct 2014	15,105.50	
Arthurs Pass	Interconnection Charge for Oct 2014	1,745.67	
	Sub-Total Arthurs Pass		**16,851.17**
Bromley	Connection Charge for Oct 2014	157,510.58	
Bromley	Interconnection Charge for Oct 2014	1,306,646.43	
	Sub-Total Bromley		**1,464,157.01**
Castle Hill	Connection Charge for Oct 2014	11,704.45	
Castle Hill	Interconnection Charge for Oct 2014	2,852.21	
	Sub-Total Castle Hill		**14,556.66**
Coleridge	Connection Charge for Oct 2014	11,560.12	
oleridge	Interconnection Charge for Oct 2014	2,146.31	
	Sub-Total Coleridge		**13,706.43**
Hororata	Connection Charge for Oct 2014	39,677.65	
Hororata	Interconnection Charge for Oct 2014	111,007.28	

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Tax Invoice **0001092338**
GST No: 50-038-057
Invoice Date: 31/10/2014
Customer ID: ORON
Account Manager: Nicola Downes-Hogg
Due Date: 20/11/2014
Page: 2 of 2

Reference	Description	Amount	
	Sub-Total Hororata		**150,684.93**
ington	Connection Charge for Oct 2014	122,096.12	
Islington	Interconnection Charge for Oct 2014	2,734,344.89	
	Sub-Total Islington		**2,856,441.01**
Middleton	Connection Charge for Oct 2014	15,416.11	
Middleton	Interconnection Charge for Oct 2014	192,357.30	
	Sub-Total Middleton		**207,773.41**
		Net Total:	**$6,209,970.73**
		GST:	**$931,495.61**
		Total:	**$7,141,466.34**

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Tax Invoice	**0001092339**
GST No:	50-038-057
Invoice Date:	31/10/2014
Customer ID:	ORON
Account Manager:	Nicola Downes-Hogg
Due Date:	**20/11/2014**
Page:	1 of 1

Reference	Description	Amount	
Kimberley R206730 54376.67	Provisional New Investment Charge for Kimberley for Oct 2014	99,017.00	
15010 44640.33			
Kimberley	Connection Charges at Kimberley for Oct 2014	2,507.38	R703110.
	Sub-Total Kimberley		**101,524.38**

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Net Total:	**$101,524.38**
GST:	**$15,228.66**
Total:	**$116,753.04**

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Tax Invoice	**0001092340**
GST No:	50-038-057
Invoice Date:	31/10/2014
Customer ID:	ORON
Account Manager:	Nicola Downes-Hogg
Due Date:	**20/11/2014**
Page:	1 of 1

Reference		Description	Amount	
Bromley R206736 615010	67683.75 2920.25	Provisional Charge for Customer Investment - Bromley Third 220/66 kV Transformer T7 for Oct 2014	70,604.00	
		Sub-Total Bromley		**70,604.00**
Hororata R206730 B615010	1049.71 1067.08	New Investment Charge for additional 66kV feeder for Oct 2014	2,116.79	
Hororata R206730 B615010	1123.19 863.81	Provisional New Investment Charge for Hororata Connection for Fonterra Dairy Factory for Oct 2014	1,987.00	
		Sub-Total Hororata		**4,103.79**
Islington R206730 B615010	437.14 2267.45	New Investment Charge for Additional 33kV feeder for Oct 2014	2,704.59	
Islington R206730 B615010	1207.01 179.77	New Investment Charge for Islington 66kV Feeder for Oct 2014	1,386.78	
		Sub-Total Islington		**4,091.37**
Middleton R206730 615010	6602.38 1479.42	New Investment Charge for Middleton 66 kV GXP Connection for Oct 2014	8,081.80	
		Sub-Total Middleton		**8,081.80**
			Net Total:	**$86,880.96**
			GST:	**$13,032.14**
			Total:	**$99,913.10**

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Christchurch 8041

Tax Invoice	**0001089743**
GST No:	50-038-057
Invoice Date:	26/03/2014
Customer ID:	ORI4
Account Manager:	Robynne Purdy
Due Date:	**26/03/2014**
Page:	1 of 1

Reference	Description	Amount	
	Early expiration charge for New Investment Contract for 66kV Bay 170 payable under clause 6.11 (a) of the agreement	334,305.50	
	Sub-Total		**334,305.50**
		Net Total:	**$334,305.50**
		GST:	**$50,145.83**
		Total:	**$384,451.33**

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PO Box 2510
Christchurch 8041

Tax Invoice	**0001089745**
GST No:	50-038-057
Invoice Date:	26/03/2014
Customer ID:	ORI4
Account Manager:	Robynne Purdy
Due Date:	**26/03/2014**
Page:	1 of 1

Reference	Description	Amount	
	Early expiration charge under the Customer Investment Contract for 11kV Switchboard 2 Additonal Feeder payable under clause 6.11 (c) of the agreement	547,989.65	
	Sub-Total		**547,989.65**
		Net Total:	**$547,989.65**
		GST:	**$82,198.45**
		Total:	**$630,188.10**

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Tax Invoice	**0001089744**
GST No:	50-038-057
Invoice Date:	26/03/2014
Customer ID:	ORI4
Account Manager:	Robynne Purdy
Due Date:	**26/03/2014**
Page:	1 of 1

Reference	*Description*	Amount	
	Early expiration charge under the Alteration to Grid Assets Agreement for T3 66kV ~~BV8~~ Bus Relocation payable under clause 6.11 (b) of the agreement	48,175.92	
	Sub-Total		**48,175.92**
		Net Total:	**$48,175.92**
		GST:	**$7,226.39**
		Total:	**$55,402.31**

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Tax Invoice	**0001092414**
GST No:	50-038-057
Invoice Date:	11/11/2014
Customer ID:	ORON
Account Manager:	Nicola Downes-Hogg
Due Date:	**20/12/2014**
Page:	1 of 1

Reference	Description	Amount	
	Detailed Solution for Bromley SCADA Migration	22,566.91	
	Sub-Total		**22,566.91**
		Net Total:	**$22,566.91**
		GST:	**$3,385.04**
		Total:	**$25,951.95**

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APPENDIX C –INFORMATION SUPPORTING AVOIDED TRANSMISSION CHARGES

CPP determination clauses 10.3(d)(ii) and (iii) set out information requirements in relation to amounts claimed as avoided transmission charges, including the amount actually charged in the year prior to an amount first being recovered.

Clause 10.3(d)(ii) of the CPP determination suggests that the amount that would have been charged by Transpower is equivalent to the amount specified in a pricing schedule for the year preceding the assessment period. This is not the case. Transpower updates its charges each year and the amounts generally change, and we have calculated this updated amount and included it as an avoided transmission cost.

Recoverable cost amounts for the transfer of Bromley and Springston assets were first included in this assessment period. Details of prior charges are:

TRANSPOWER

April 2013 Final Charges
Connection Charge Components

Customer: **Orion New Zealand Limited**
Connection Location: **Bromley**
Load Type: **OFT**

Asset	Asset Id	Physical Location	Recovery A	Recovery M	Recovery O	Asset Value $	Asset Component $	Maintenance Component $	Operating Component $	Customer Allocation %	Connection Charge $
Substation	Bromley	BRY	TPM	TPM		2,405,647.34	181,626.37	53,164.81		100.00	234,791.18
Transformer	T2	BRY	TPM	TPM		1,062,922.21	80,250.63	23,490.58		100.00	103,741.21
Transformer	T3	BRY	TPM	TPM		797,191.65	60,187.97	17,617.94		100.00	77,805.91
Transformer	T4	BRY	TPM	TPM		1,062,922.21	80,250.63	23,490.58		100.00	103,741.21
Transformer	T5	BRY	TPM	TPM		2,341,000.84	176,745.56	51,736.12		100.00	228,481.68
Transformer	T6	BRY	TPM	TPM		2,341,000.84	176,745.56	51,736.12		100.00	228,481.68
Switchgear	62	BRY	TPM	TPM	TPM	218,613.38	16,505.31	4,831.36	1,984.00	100.00	23,320.67
Switchgear	72	BRY	TPM	TPM	TPM	480,667.43	36,290.39	10,622.75	3,769.60	100.00	50,682.74
Switchgear	88	BRY	TPM	TPM	TPM	292,029.30	22,048.21	6,453.85	2,976.00	100.00	31,478.06
Switchgear	92	BRY	SPR	SPR	SPR	0.04	0.00	0.00	0.00	100.00	0.00
Switchgear	102	BRY	TPM	TPM	TPM	218,613.38	16,505.31	4,831.36	1,984.00	100.00	23,320.67
Switchgear	112	BRY	TPM	TPM	TPM	480,667.43	36,290.39	10,622.75	3,670.40	100.00	50,583.54
Switchgear	122	BRY	TPM	TPM	TPM	480,667.43	36,290.39	10,622.75	3,769.60	100.00	50,682.74
Switchgear	142	BRY	SPR	SPR	SPR	0.04	0.00	0.00	0.00	100.00	0.00
Switchgear	148	BRY	TPM	TPM	TPM	292,029.30	22,048.21	6,453.85	2,976.00	100.00	31,478.06
Switchgear	162	BRY	TPM	TPM	TPM	327,920.08	24,757.97	7,247.03	1,984.00	100.00	33,989.00
Switchgear	172	BRY	NIA	TPM	TPM	480,667.43	0.00	10,622.75	3,670.40	100.00	14,293.15
Switchgear	182	BRY	TPM	TPM	TPM	480,667.43	36,290.39	10,622.75	3,670.40	100.00	50,583.54
Switchgear	207	BRY	TPM	TPM	TPM	62,972.15	4,754.40	1,391.68	992.00	100.00	7,138.08
Switchgear	407	BRY	TPM	TPM	TPM	19,720.15	1,488.87	435.82	992.00	100.00	2,916.69
Switchgear	467	BRY	TPM	TPM	TPM	53,467.95	4,036.83	1,181.64	992.00	100.00	6,210.47
Switchgear	492	BRY	TPM	TPM	TPM	327,920.08	24,757.97	7,247.03	1,984.00	100.00	33,989.00
Switchgear	532	BRY	TPM	TPM	TPM	327,920.08	24,757.97	7,247.03	1,984.00	100.00	33,989.00

Scenario Id: 7754 Transpower New Zealand Ltd 23 November, 2012 15:22 PM Page 8 of 23

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April 2013 Final Charges
Connection Charge Components

Customer: **Orion New Zealand Limited**
Connection Location: **Bromley**
Load Type: **OFT**

Asset	Asset Id	Physical Location	Recovery A	Recovery M	Recovery O	Asset Value $	Asset Component $	Maintenance Component $	Operating Component $	Customer Allocation %	Connection Charge $
Switchgear	547	BRY	TPM	TPM	TPM	53,467.95	4,036.83	1,181.64	992.00	100.00	6,210.47
Switchgear	802	BRY	TPM	TPM	TPM	468,690.70	35,386.15	10,358.06	1,984.00	100.00	47,728.21
Switchgear	812	BRY	TPM	TPM	TPM	884,217.76	66,758.44	19,541.21	3,968.00	100.00	90,267.65
Switchgear	842	BRY	TPM	TPM	TPM	468,690.70	35,386.15	10,358.06	1,984.00	100.00	47,728.21
Switchgear	867	BRY	TPM	TPM	TPM	32,535.05	2,456.40	719.02	992.00	100.00	4,167.42
Switchgear	878	BRY	TPM	TPM	TPM	264,690.62	19,984.14	5,849.66	2,976.00	100.00	28,809.80
Switchgear	892	BRY	TPM	TPM	TPM	884,217.76	66,758.44	19,541.21	3,968.00	100.00	90,267.65
Switchgear	917	BRY	TPM	TPM	TPM	32,535.05	2,456.40	719.02	992.00	100.00	4,167.42
Switchgear	2572	BRY	NIA	TPM	TPM	73,527.31	0.00	1,624.95	892.80	100.00	2,517.75
Switchgear	2582	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2592	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2602	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2612	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2622	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2632	BRY	TPM	TPM	TPM	77,761.23	5,870.97	1,718.52	992.00	100.00	8,581.49
Switchgear	2642	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2652	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2662	BRY	TPM	TPM	TPM	77,761.23	5,870.97	1,718.52	992.00	100.00	8,581.49
Switchgear	2672	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2682	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2698	BRY	TPM	TPM	TPM	114,067.10	8,612.07	2,520.88	992.00	100.00	12,124.95
Switchgear	2712	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2722	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06

TRANSPOWER

April 2013 Final Charges
Connection Charge Components

Customer: **Orion New Zealand Limited**
Connection Location: **Bromley**
Load Type: **OFT**

Asset	Asset Id	Physical Location	Recovery A	Recovery M	Recovery O	Asset Value $	Asset Component $	Maintenance Component $	Operating Component $	Customer Allocation %	Connection Charge $
Switchgear	2732	BRY	TPM	TPM	TPM	77,761.23	5,870.97	1,718.52	992.00	100.00	8,581.49
Switchgear	2742	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2752	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2762	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2772	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2782	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2792	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2802	BRY	TPM	TPM	TPM	73,527.31	5,551.31	1,624.95	892.80	100.00	8,069.06
Switchgear	2812	BRY	NIA	TPM	TPM	73,527.31	0.00	1,624.95	892.80	100.00	2,517.75
Switchgear	487-517	BRY	TPM	TPM	TPM	35,964.50	2,715.32	794.82	1,984.00	100.00	5,494.14
Switchgear	807-817	BRY	TPM	TPM	TPM	56,448.04	4,261.83	1,247.50	1,984.00	100.00	7,493.33
Switchgear	827-847	BRY	TPM	TPM	TPM	56,448.04	4,261.83	1,247.50	1,984.00	100.00	7,493.33
Switchgear	RM2632	BRY	TPM	TPM	TPM	31,102.38	2,348.23	687.36	0.00	100.00	3,035.59
Switchgear	RM2662	BRY	TPM	TPM	TPM	31,102.38	2,348.23	687.36	0.00	100.00	3,035.59
Switchgear	RM2732	BRY	TPM	TPM	TPM	31,102.38	2,348.23	687.36	0.00	100.00	3,035.59
Switchgear	RM492	BRY	TPM	TPM	TPM	44,913.42	3,390.96	992.59	0.00	100.00	4,383.55
Switchgear	RM532	BRY	TPM	TPM	TPM	44,913.42	3,390.96	992.59	0.00	100.00	4,383.55
Switchgear	VT1	BRY	TPM	TPM	TPM	41,233.09	3,113.10	911.25	0.00	100.00	4,024.35
Switchgear	VT2	BRY	TPM	TPM	TPM	41,233.09	3,113.10	911.25	0.00	100.00	4,024.35
Switchgear	VT97	BRY	TPM	TPM	TPM	0.01	0.00	0.00	0.00	100.00	0.00
Line	BRY_ISLA		TPM	TPM		10,892,997.44	822,421.31	140,798.99		72.81	701,320.70
Other	ATC	BRY	TPM	TPM		0.01	0.00	0.00		100.00	0.00
Other	BZ1P42	BRY	TPM	TPM		138,142.22	10,429.74	3,052.94		100.00	13,482.68

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April 2013 Final Charges
Connection Charge Components

Customer: **Orion New Zealand Limited**
Connection Location: **Bromley**
Load Type: **OFT**

Asset	Asset Id	Physical Location	Recovery A	Recovery M	Recovery O	Asset Value $	Asset Component $	Maintenance Component $	Operating Component $	Customer Allocation %	Connection Charge $
Other	BZPP43	BRY	TPM	TPM		0.00	0.00	0.00		100.00	0.00
Other	R2	BRY	TPM	TPM		83,274.15	6,287.20	1,840.36		100.00	8,127.56
Other	R3	BRY	TPM	TPM		83,274.15	6,287.20	1,840.36		100.00	8,127.56
Other	R4	BRY	TPM	TPM		83,274.15	6,287.20	1,840.36		100.00	8,127.56
										Total Connection Charge	2,714,782.54

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April 2013 Final Charges
Connection Charge Components

Customer: **Orion New Zealand Limited**
Connection Location: **Springston**
Load Type: **OFT**

Asset	Asset Id	Physical Location	Recovery A	Recovery M	Recovery O	Asset Value $	Asset Component $	Maintenance Component $	Operating Component $	Customer Allocation %	Connection Charge $
Substation	Islington	ISL	TPM	TPM		8,588,991.36	648,468.85	189,816.71		1.24	10,394.74
Substation	Springston	SPN	TPM	TPM		1,193,263.94	90,091.43	26,371.13		100.00	116,462.56
Transformer	T1	SPN	TPM	TPM		1,190,315.65	89,868.83	26,305.98		100.00	116,174.81
Transformer	T2	SPN	TPM	TPM		1,190,315.65	89,868.83	26,305.98		100.00	116,174.81
Switchgear	92	ISL	TPM	TPM	TPM	667,721.49	50,412.97	14,756.64	4,960.00	100.00	70,129.61
Switchgear	112	ISL	TPM	TPM	TPM	667,721.49	50,412.97	14,756.64	4,960.00	100.00	70,129.61
Switchgear	312	SPN	NIA	TPM	TPM	480,667.43	0.00	10,622.75	3,670.40	100.00	14,293.15
Switchgear	322	SPN	NIA	TPM	TPM	327,920.08	0.00	7,247.03	1,984.00	100.00	9,231.03
Switchgear	332	SPN	NIA	TPM	TPM	480,667.43	0.00	10,622.75	3,968.00	100.00	14,590.75
Switchgear	348	SPN	NIA	TPM	TPM	292,029.30	0.00	6,453.85	2,976.00	100.00	9,429.85
Switchgear	362	SPN	NIA	TPM	TPM	327,920.08	0.00	7,247.03	1,984.00	100.00	9,231.03
Switchgear	372	SPN	NIA	TPM	TPM	480,667.43	0.00	10,622.75	3,968.00	100.00	14,590.75
Switchgear	1122	SPN	TPM	TPM	TPM	138,556.49	10,461.01	3,062.10	3,769.60	100.00	17,292.71
Switchgear	1132	SPN	TPM	TPM	TPM	126,259.37	9,532.58	2,790.33	1,984.00	100.00	14,306.91
Switchgear	1142	SPN	TPM	TPM	TPM	138,556.49	10,461.01	3,062.10	3,769.60	100.00	17,292.71
Switchgear	1162	SPN	TPM	TPM	TPM	138,556.49	10,461.01	3,062.10	3,769.60	100.00	17,292.71
Switchgear	1172	SPN	TPM	TPM	TPM	138,556.49	10,461.01	3,062.10	3,769.60	100.00	17,292.71
Switchgear	1182	SPN	TPM	TPM	TPM	138,556.49	10,461.01	3,062.10	3,769.60	100.00	17,292.71
Switchgear	1192	SPN	TPM	TPM	TPM	138,556.49	10,461.01	3,062.10	3,769.60	100.00	17,292.71
Switchgear	1202	SPN	TPM	TPM	TPM	138,556.49	10,461.01	3,062.10	3,769.60	100.00	17,292.71
Switchgear	1222	SPN	TPM	TPM	TPM	138,556.49	10,461.01	3,062.10	3,769.60	100.00	17,292.71
Switchgear	1227	SPN	TPM	TPM	TPM	19,050.37	1,438.30	421.01	992.00	100.00	2,851.31
Switchgear	1232	SPN	TPM	TPM	TPM	126,259.37	9,532.58	2,790.33	1,984.00	100.00	14,306.91

TRANSPOWER

April 2013 Final Charges
Connection Charge Components

Customer: **Orion New Zealand Limited**
Connection Location: **Springston**
Load Type: **OFT**

Asset	Asset Id	Physical Location	Recovery A	Recovery M	Recovery O	Asset Value $	Asset Component $	Maintenance Component $	Operating Component $	Customer Allocation %	Connection Charge $
Switchgear	1147-1167	SPN	TPM	TPM	TPM	32,624.07	2,463.12	720.99	1,984.00	100.00	5,168.11
Switchgear	1187-1207	SPN	TPM	TPM	TPM	32,624.07	2,463.12	720.99	1,984.00	100.00	5,168.11
Switchgear	RM1132	SPN	TPM	TPM	TPM	30,527.24	2,304.81	674.65	0.00	100.00	2,979.46
Switchgear	RM1232	SPN	TPM	TPM	TPM	30,527.24	2,304.81	674.65	0.00	100.00	2,979.46
Switchgear	RM312	SPN	NIA	TPM	TPM	44,913.42	0.00	992.59	0.00	100.00	992.59
Switchgear	VT3	SPN	TPM	TPM	TPM	41,233.09	3,113.10	911.25	0.00	100.00	4,024.35
Switchgear	VT317	SPN	NIA	TPM	TPM	41,233.09	0.00	911.25	0.00	100.00	911.25
Switchgear	VT367	SPN	NIA	TPM	TPM	41,233.09	0.00	911.25	0.00	100.00	911.25
Switchgear	VT4	SPN	TPM	TPM	TPM	41,233.09	3,113.10	911.25	0.00	100.00	4,024.35
Line	ISL_SPNA		TPM	TPM		1,958,729.60	147,884.08	69,914.00		100.00	217,798.08
Other	BZ1P42	SPN	NIA	TPM		138,142.22	0.00	3,052.94		100.00	3,052.94
									Total Connection Charge		988,649.46

Scenario Id: 7754 Transpower New Zealand Ltd 23 November, 2012 15:22 PM Page 23 of 23

The calculation of the amounts avoided is based on the individual assets within the schedules above that were purchased (or where the purchase avoids the change) using updated asset return, operating and maintenance figures.

Bromley avoided connection charge recoverable cost
Charges recalculated using standard recovery rates
2014/15

		Asset return %	Maintenance recovery Rate	Maintenance recovery on 66kV Line	Number of Switches	Operating recovery on 66kV Line	Amount avoided
Updated cost metrics		7.71%	2.04%	$5,959 /km		$908 /switch	
Substation	Bromley Partial purchase (proportion of land)	16,021.39	4,239.12				20,260.51
Transformer	T2	81,951.30	21,683.61				103,634.91
Transformer	T3	61,463.48	16,262.71				77,726.19
Transformer	T4	81,951.30	21,683.61				103,634.91
Transformer	T5	Not purchased					
Transformer	T6	Not purchased					
Transformer	T7	Not purchased					
Switchgear	62	16,855.09	4,459.71		2.00	1,816.00	23,130.80
Switchgear	72	37,059.46	9,805.62		3.80	3,450.40	50,315.48
Switchgear	88	22,515.46	5,957.40		3.00	2,724.00	31,196.86
Switchgear	92	-	-		0.00	-	-
Switchgear	102	16,855.09	4,459.71		2.00	1,816.00	23,130.80
Switchgear	112	37,059.46	9,805.62		3.70	3,359.60	50,224.68
Switchgear	122	37,059.46	9,805.62		3.80	3,450.40	50,315.48
Switchgear	142 Nil charges	-	-		0.00	-	-
Switchgear	148	22,515.46	5,957.40		3.00	2,724.00	31,196.86
Switchgear	154	In CIC	1,284.63		1.00	908.00	2,192.63
Switchgear	162	25,282.64	6,689.57		2.00	1,816.00	33,788.21
Switchgear	172	In CIC	9,805.62		3.70	3,359.60	13,165.22
Switchgear	182	37,059.46	9,805.62		3.70	3,359.60	50,224.68
Switchgear	207 renumber 214, purchasing	4,855.15	1,284.63		1.00	908.00	7,047.78

Switchgear	407 renumber 54, purchasing	1,520.42	402.29	1.00	908.00	2,830.71
Switchgear	467	Removed prior to purchase				
Switchgear	492	Not purchased (66kV)				
Switchgear	532	Not purchased (66kV)				
Switchgear	547	Removed prior to purchase				
Switchgear	572	Not purchased (66kV)				
Switchgear	802	Not purchased (220kV)				
Switchgear	812	Not purchased (220kV)				
Switchgear	842	Not purchased (220kV)				
Switchgear	867	Not purchased (220kV)				
Switchgear	878	Not purchased (220kV)				
Switchgear	882	Not purchased (220kV)				
Switchgear	887	Not purchased (220kV)				
Switchgear	892	Not purchased (220kV)				
Switchgear	917	Not purchased (220kV)				
Switchgear	2572	In CIC	1,499.96	0.90	817.20	2,317.16
Switchgear	2582	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2592	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2602	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2612	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2622	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2632	5,995.39	1,586.33	1.00	908.00	8,489.72
Switchgear	2642	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2652	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2662	5,995.39	1,586.33	1.00	908.00	8,489.72
Switchgear	2672	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2682	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2698	8,794.57	2,326.97	1.00	908.00	12,029.54
Switchgear	2712	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2722	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2732	5,995.39	1,586.33	1.00	908.00	8,489.72
Switchgear	2742	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2752	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2762	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2772	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2782	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2792	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2802	5,668.96	1,499.96	0.90	817.20	7,986.12
Switchgear	2812	In CIC	1,499.96	0.90	817.20	2,317.16
Switchgear	487-517	Removed prior to purchase				
Switchgear	807-817	Not purchased (220kV)				
Switchgear	827-847	Not purchased (220kV)				
Switchgear	RM2632 Metering not purchased, but charge still avoided	2,397.99	634.49		-	3,032.48
Switchgear	RM2662 Metering not purchased, but charge still avoided	2,397.99	634.49		-	3,032.48
Switchgear	RM2732 Metering not purchased, but charge still avoided	2,397.99	634.49		-	3,032.48
Switchgear	RM492	Not purchased				
Switchgear	RM532	Not purchased				
Switchgear	RM572	Not purchased				
Switchgear	VT1	3,179.07	841.16		-	4,020.23
Switchgear	VT2	3,179.07	841.16		-	4,020.23
Switchgear	VT97	Nil charges				
Line	BRY_ISLA	Not purchased				
Other	ATC	Not purchased				
Other	BC5	Asset cost not in 2014 Transpower data				
Other	BZ1P42	Not purchased				
Other	BZPP43	Nil charges				
Other	R2	6,420.44	1,698.79		-	8,119.23
Other	R3	6,420.44	1,698.79		-	8,119.23
Other	R4	6,420.44	1,698.79		-	8,119.23
Total avoided						**901,395.48**

Papanui avoided connection charge recoverable cost

Charges recalculated using standard recovery rates

2014/15

			Asset return %	Maintenance recovery Rate	Maintenance recovery on 66kV Line	Number of Switches	Operating recovery on 66kV Line	Amount avoided
Updated cost metrics			7.71%	2.04%	$5,959 /km		$908 /switch	
Substatior	Islington		not avoided, charge at ISL instead					
Substatior	Papanui		214,275.46	56,695.45				270,970.91
Transform	T1		64,381.26	17,034.73				81,415.99
Transform	T2		54,492.98	14,418.38				68,911.36
Transform	T3		40,869.74	10,813.78				51,683.52
Transform	T4		48,285.95	12,776.05				61,062.00
Switchgea		262	not avoided, charge at ISL instead					
Switchgea		272	not avoided, charge at ISL instead					
Switchgea		302	not avoided, charge at ISL instead					
Switchgea		42	12,641.32	3,344.79		2.00	1,816.00	17,802.11
Switchgea		47	1,567.88	414.85		1.00	908.00	2,890.73
Switchgea		52	12,641.32	3,344.79		2.00	1,816.00	17,802.11
Switchgea		62	12,641.32	3,344.79		2.00	1,816.00	17,802.11
Switchgea		72	12,641.32	3,344.79		2.00	1,816.00	17,802.11
Switchgea		82	37,059.46	9,805.62		4.00	3,632.00	50,497.08
Switchgea		102	37,059.46	9,805.62		4.00	3,632.00	50,497.08
Switchgea		112	37,059.46	9,805.62		4.00	3,632.00	50,497.08
Switchgea		122	8,908.79	2,357.19		2.00	1,816.00	13,081.98
Switchgea		132	25,282.64	6,689.57		1.80	1,634.40	33,606.61
Switchgea		137	1,567.88	414.85		1.00	908.00	2,890.73
Switchgea		202	25,282.64	6,689.57		1.80	1,634.40	33,606.61
Switchgea	117-77		2,859.40	756.57		2.00	1,816.00	5,431.97
Switchgea	57-67		2,859.40	756.57		2.00	1,816.00	5,431.97
Switchgea	RM132		3,462.82	916.23				4,379.05
Switchgea	RM14		2,397.99	634.49				3,032.48
Switchgea	RM202		3,462.82	916.23				4,379.05
Switchgea	RM22		2,397.99	634.49				3,032.48
Switchgea	RM31		2,397.99	634.49				3,032.48
Switchgea	RM5		2,397.99	634.49				3,032.48
Switchgea	VT1		3,179.07	841.16				4,020.23
Switchgea	VT4		3,179.07	841.16				4,020.23
Line	ISL_PAPA		121,338.87		55,657.06			176,995.93
Line	ISL_PAPB		120,047.00		55,657.06			175,704.06
Other	ATC		0.08	0.02				0.10
Other	R1		5,317.22	1,406.89				6,724.11
Other	R2		5,317.22	1,406.89				6,724.11
Other	R3		5,317.22	1,406.89				6,724.11
Other	R4		5,317.22	1,406.89				6,724.11
Total avoided								**1,262,209.07**

Springston avoided connection charge recoverable cost
Charges recalculated using Transpower's updated standard recovery rates
2014/15

		Asset return %	Maintenance recovery Rate	Maintenance recovery on 66kV	Number of Switches	Operating recovery on 66kV Line	Amount avoided
Updated cost metrics		7.71%	2.04%	$5,959 /km		$908 /switch	
Substation	Islington	not avoided, charge at ISL instead					
Substation	Springston	92,000.65	24,342.58				116,343.23
Transforme	T1	91,773.34	24,282.44				116,055.78
Transforme	T2	91,773.34	24,282.44				116,055.78
Switchgear	92	not avoided, charge at ISL instead					
Switchgear	112	not avoided, charge at ISL instead					
Switchgear	312	In CIC	9,805.62		3.70	3,359.60	13,165.22
Switchgear	322	In CIC	6,689.57		2.00	1,816.00	8,505.57
Switchgear	332	In CIC	9,805.62		4.00	3,632.00	13,437.62
Switchgear	348	In CIC	5,957.40		3.00	2,724.00	8,681.40
Switchgear	362	In CIC	6,689.57		2.00	1,816.00	8,505.57
Switchgear	372	In CIC	9,805.62		4.00	3,632.00	13,437.62
Switchgear	1122	10,682.71	2,826.55		3.80	3,450.40	16,959.66
Switchgear	1132	9,734.60	2,575.69		2.00	1,816.00	14,126.29
Switchgear	1142	10,682.71	2,826.55		3.80	3,450.40	16,959.66
Switchgear	1162	10,682.71	2,826.55		3.80	3,450.40	16,959.66
Switchgear	1172	10,682.71	2,826.55		3.80	3,450.40	16,959.66
Switchgear	1182	10,682.71	2,826.55		3.80	3,450.40	16,959.66
Switchgear	1192	10,682.71	2,826.55		3.80	3,450.40	16,959.66
Switchgear	1202	10,682.71	2,826.55		3.80	3,450.40	16,959.66
Switchgear	1222	10,682.71	2,826.55		3.80	3,450.40	16,959.66
Switchgear	1227	1,468.78	388.63		1.00	908.00	2,765.41
Switchgear	1232	9,734.60	2,575.69		2.00	1,816.00	14,126.29
Switchgear	1147-1167	2,515.32	665.53		2.00	1,816.00	4,996.85
Switchgear	1187-1207	2,515.32	665.53		2.00	1,816.00	4,996.85
Switchgear	RM1132	2,353.65	622.76		0.00	-	2,976.41
Switchgear	RM1232	2,353.65	622.76		0.00	-	2,976.41
Switchgear	RM312	In CIC	916.23		0.00	-	916.23
Switchgear	VT3	3,179.07	841.16		0.00	-	4,020.23
Switchgear	VT317	In CIC	841.16		0.00	-	841.16
Switchgear	VT367	In CIC	841.16		0.00	-	841.16
Switchgear	VT4	3,179.07	841.16			-	4,020.23
Line	ISL_SPNA	151,018.05		77,467.00			228,485.05
Other	BZ1P42	In CIC	2,818.10				2,818.10
Total avoided							**838,771.74**

Springston GXP spur asset acquisition 13/03/2015

NIA charge avoided and claimed as recoverable cost

History of charges

	Monthly	*Annual*
Apr-11	$17,588.91	
May-11	$17,588.91	
Jun-11	$17,588.91	
Jul-11	$17,588.91	
Aug-11	$17,588.91	
Sep-11	$17,588.91	
Oct-11	$17,588.91	
Nov-11	$17,588.91	
Dec-11	$17,588.91	
Jan-12	$17,588.91	
Feb-12	$17,588.91	
Mar-12	$17,588.91	$211,066.92
Apr-12	$15,997.66	
May-12	$15,997.66	
Jun-12	$15,997.66	
Jul-12	$15,997.66	
Aug-12	$15,997.66	
Sep-12	$15,997.66	
Oct-12	$15,997.66	
Nov-12	$15,997.66	
Dec-12	$15,997.66	
Jan-13	$15,997.66	
Feb-13	$15,997.66	
Mar-13	$15,997.66	$191,971.92
Apr-13	$14,636.86	
May-13	$14,636.86	
Jun-13	$14,636.86	
Jul-13	$14,636.86	
Aug-13	$14,636.86	
Sep-13	$14,636.86	
Oct-13	$14,636.86	
Nov-13	$14,636.86	
Dec-13	$14,636.86	
Jan-14	$14,636.86	
Feb-14	$14,636.86	
Mar-14	$14,636.86	$175,642.32
Apr-14	nil	

Charges avoided

Fin Year	**Risk Free Rate adjustment**	**Charges avoided**
FY2015	1.1282703	$198,172.01
FY2016		
FY2017		
FY2018		
FY2019		

APPENDIX D – TIMING OF PAYMENT OF PASS-THROUGH AND RECOVERABLE COSTS

Clause 10.3 of the CPP determination requires that we disclose each pass through and recoverable cost amount paid, when it was paid, and the period to which it relates. This is set out in the following table.

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
Q1 FY2015	Ministry of Business Innovation & Employment Levy	Pass through cost	Commerce Act levies		108,696.07	20/05/2014
Q2 FY2015	Ministry of Business Innovation & Employment Levy	Pass through cost	Commerce Act levies		108,852.35	4/07/2014
Q3 FY2015	Ministry of Business Innovation & Employment Levy	Pass through cost	Commerce Act levies		108,852.35	22/12/2014
Q4 FY2015	Ministry of Business Innovation & Employment Levy	Pass through cost	Commerce Act levies		108,852.35	20/04/2015
FY2010	2010 Commerce Commission levies (final fifth of recovery)	Pass through cost	Commerce Act levies (2010 amortised)	132,430.23	26,486.05	10/07/2009
FY2010	2010 Commerce Commission levies (final fifth of recovery)	Pass through cost	Commerce Act levies (2010 amortised)	127,726.07	25,545.21	23/10/2009
FY2010	2010 Commerce Commission levies (final fifth of recovery)	Pass through cost	Commerce Act levies (2010 amortised)	127,204.17	25,440.83	late March 2009
FY2010	2010 Commerce Commission levies (final fifth of recovery)	Pass through cost	Commerce Act levies (2010 amortised)	126,442.63	25,288.53	29/01/2010
FY2010	2010 Commerce Commission levies (final fifth of recovery)	Pass through cost	Commerce Act levies (2010 amortised)	(10,650.62)	(2,130.12)	11/01/2010
FY2010	2010 Commerce Commission levies (final fifth of recovery)	Pass through cost	Commerce Act levies (2010 amortised)	(85,204.98)	(17,041.00)	11/01/2010
FY2015	Electricity & Gas Complaints Commission Levy	Pass through cost	Electricity & Gas Complaints Commission Levy		71,848.41	22/04/2014
April 2014	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		36,504.86	20/05/2014
May 2014	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		41,293.50	20/06/2014
June 2014	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		43,175.41	21/07/2014
July 2014	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		60,059.99	20/08/2014
August 2014	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		58,150.36	22/09/2014
September 2014	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		53,793.74	20/10/2014
October 2014	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		53,550.00	21/11/2014
November 2014	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		52,238.49	22/12/2014
December 2014	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		51,445.87	20/01/2015
January 2015	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		51,322.16	20/02/2015
February 2015	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		49,142.98	27/03/2015
March 2015	Electricity Authority Levy	Pass through cost	Electricity Authority Levy		50,594.54	24/04/2015
FY2014	Electricity Authority Levy FY2014 Washup	Pass through cost	Electricity Authority Levy		24,310.97	20/01/2015
FY2015	Christchurch City Council misc rates adjustment journal	Pass through cost	Local authority rates		88.20	internal transfer

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
FY2015	Christchurch City Council misc rates adjustment journal	Pass through Cost	Local authority rates		(176.40)	internal transfer
FY2015	Christchurch City Council misc rates on leased sites & prepayments	Pass through Cost	Local authority rates		2,403.10	internal transfer
FY2015	CCC rates partial recovery for Akaroa Hydro Trust	Pass through Cost	Local authority rates		(34.18)	11/08/2014
FY2015	CCC rates partial recovery for Akaroa Hydro Trust	Pass through Cost	Local authority rates		(33.96)	23/02/2015
FY2015	CCC rates partial recovery for Akaroa Hydro Trust	Pass through Cost	Local authority rates		(33.97)	23/02/2015
FY2015	CCC rates partial recovery for Akaroa Hydro Trust	Pass through Cost	Local authority rates		(33.96)	23/02/2015
FY2015	Christchurch City Council rates partial recovery for Malvern Community Arts	Pass through Cost	Local authority rates		(230.96)	20/11/2014
FY2015	Christchurch City Council rates partial recovery for Malvern Community Arts	Pass through Cost	Local authority rates		(205.48)	21/05/2014
FY2015	Christchurch City Council rates partial recovery for Malvern Community Arts	Pass through Cost	Local authority rates		(230.96)	15/09/2014
FY2015	Christchurch City Council rates partial recovery for Malvern Community Arts	Pass through Cost	Local authority rates		(170.90)	internal transfer
FY2015	Christchurch City Council rates recovery for Akaroa Gallery	Pass through Cost	Local authority rates		(475.99)	24/02/2015
FY2015	Christchurch City Council rates recovery on property sale	Pass through Cost	Local authority rates		(45.82)	internal transfer
FY2015	Christchurch City Council rates reversal of prior accrual	Pass through Cost	Local authority rates		(6,500.00)	internal transfer
Q1 FY2015	Christchurch City Council misc rates	Pass through Cost	Local authority rates		565.03	30/05/2014
Q1 FY2015	Christchurch City Council misc rates on property purchase	Pass through Cost	Local authority rates		521.27	1/04/2014
Q1 FY2015	Christchurch City Council rates on electricity network	Pass through Cost	Local authority rates		545,539.33	15/05/2014
Q1 FY2015	Christchurch City Council rates on properties area 1	Pass through Cost	Local authority rates		40,375.32	15/05/2014
Q1 FY2015	Christchurch City Council rates on properties area 2	Pass through Cost	Local authority rates		29,930.88	13/06/2014
Q1 FY2015	Christchurch City Council rates on properties area 3	Pass through Cost	Local authority rates		47,346.49	30/05/2014
Q1 FY2015	Selwyn District Council misc rates	Pass through Cost	Local authority rates		205.48	30/05/2014
Q1 FY2015	Selwyn District Council rates on electricity network	Pass through Cost	Local authority rates		23,460.31	30/05/2014
Q1 FY2015	Selwyn District Council rates on properties	Pass through Cost	Local authority rates		11,941.87	30/05/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
Q2 FY2015	Christchurch City Council rates on electricity network	Pass through Cost	Local authority rates		594,728.87	15/08/2014
Q2 FY2015	Christchurch City Council rates on properties area 1	Pass through Cost	Local authority rates		40,625.52	15/08/2014
Q2 FY2015	Christchurch City Council rates on properties area 2	Pass through Cost	Local authority rates		29,556.36	12/09/2014
Q2 FY2015	Christchurch City Council rates on properties area 3	Pass through Cost	Local authority rates		49,598.69	28/08/2014
Q2 FY2015	Selwyn District Council misc rates	Pass through Cost	Local authority rates		230.96	28/08/2014
Q2 FY2015	Selwyn District Council rates on electricity network	Pass through Cost	Local authority rates		24,752.17	28/08/2014
Q2 FY2015	Selwyn District Council rates on properties	Pass through Cost	Local authority rates		17,364.45	28/08/2014
Q3 FY2015	Christchurch City Council misc rates	Pass through Cost	Local authority rates		220.02	14/11/2014
Q3 FY2015	Christchurch City Council misc rates	Pass through Cost	Local authority rates		3,321.70	14/11/2014
Q3 FY2015	Christchurch City Council rates on electricity network	Pass through Cost	Local authority rates		594,728.87	14/11/2014
Q3 FY2015	Christchurch City Council rates on properties area 1	Pass through Cost	Local authority rates		37,232.95	14/11/2014
Q3 FY2015	Christchurch City Council rates on properties area 2	Pass through Cost	Local authority rates		29,709.43	12/12/2014
Q3 FY2015	Christchurch City Council rates on properties area 3	Pass through Cost	Local authority rates		50,004.82	28/11/2014
Q3 FY2015	Selwyn District Council misc rates	Pass through Cost	Local authority rates		230.96	28/11/2014
Q3 FY2015	Selwyn District Council rates on electricity network	Pass through Cost	Local authority rates		24,752.17	23/10/2014
Q3 FY2015	Selwyn District Council rates on properties	Pass through Cost	Local authority rates		17,362.54	28/11/2014
Q4 FY2015	Christchurch City Council misc rates	Pass through Cost	Local authority rates		220.02	13/02/2015
Q4 FY2015	Christchurch City Council misc rates	Pass through Cost	Local authority rates		3,321.70	13/02/2015
Q4 FY2015	Christchurch City Council rates on electricity network	Pass through Cost	Local authority rates		595,440.73	13/02/2015
Q4 FY2015	Christchurch City Council rates on properties area 1	Pass through Cost	Local authority rates		36,990.01	13/02/2015
Q4 FY2015	Christchurch City Council rates on properties area 2	Pass through Cost	Local authority rates		29,794.08	not yet paid
Q4 FY2015	Christchurch City Council rates on properties area 3	Pass through Cost	Local authority rates		49,705.73	27/02/2015
Q4 FY2015	Selwyn District Council misc rates	Pass through Cost	Local authority rates		230.96	27/02/2015
Q4 FY2015	Selwyn District Council rates on electricity network	Pass through Cost	Local authority rates		24,752.17	27/02/2015
Q4 FY2015	Selwyn District Council rates on properties	Pass through Cost	Local authority rates		18,016.19	27/02/2015

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
May to Aug 2014	Export credits (transmission part)	Recoverable cost	Avoided transmission charges (Export credits)		131,121.81	20/11/2014
Sept 2009 to Aug 2014	Export credits (transmission part)	Recoverable cost	Avoided transmission charges (Export credits)		43,068.02	20/02/2015
May 2014	Generation credits (transmission part)	Recoverable cost	Avoided transmission charges (Generation credits)		9,110.40	20/06/2014
Jul 2014	Generation credits (transmission part)	Recoverable cost	Avoided transmission charges (Generation credits)		22,243.80	20/08/2014
Aug 2014	Generation credits (transmission part)	Recoverable cost	Avoided transmission charges (Generation credits)		8,622.00	22/09/2014
FY2015	Transpower connection charges avoided following partial purchase of Bromley grid exit on 1 April 2014	Recoverable cost	Avoided transmission charges (Partial purchase of Bromley grid exit)	NA	$901,395.48	NA
FY2015	Transpower new investment contract charges avoided following purchase of Springston grid exit on 31 March 2014	Recoverable cost	Avoided transmission charges (Paying of Springston investment contract)	NA	198,172.01	NA
FY2015	Transpower connection charges avoided following purchase of Papanui grid exit on 1 August 2012	Recoverable cost	Avoided transmission charges (Purchase of Papanui grid exit)	NA	1,262,209.07	NA
FY2015	Transpower connection charges avoided following purchase of Springston grid exit on 31 March 2014	Recoverable cost	Avoided transmission charges (Purchase of Springston grid exit)	NA	838,771.74	NA
FY2015 to FY2019	CPP application auditing charge	Recoverable Cost	CPP Auditor Fee	80,000.00	20,259.67	21/01/2013
FY2015 to FY2019	CPP application auditing charge	Recoverable Cost	CPP Auditor Fee	74,000.00	18,560.83	8/03/2013
FY2015 to FY2019	CPP application auditing charge	Recoverable Cost	CPP Auditor Fee	50,000.00	12,781.99	7/12/2012
FY2015 to FY2019	CPP application auditing charge	Recoverable Cost	CPP Auditor Fee	40,000.00	10,091.78	8/02/2013
FY2015 to FY2019	Commerce Commission CPP application charge	Recoverable Cost	CPP Commerce Commission fee	20,000.00	5,032.20	21/02/2013
FY2015 to FY2019	Commerce Commission CPP assessment fee	Recoverable Cost	CPP Commerce Commission fee	1,080,745.00	266,968.71	20/05/2013
FY2015 to FY2019	Commerce Commission CPP assessment fee	Recoverable Cost	CPP Commerce Commission fee	324,662.00	76,689.74	20/12/2013
FY2015 to FY2019	Commerce Commission CPP assessment fee	Recoverable Cost	CPP Commerce Commission fee	148,923.00	36,086.54	20/08/2013
FY2015 to FY2019	Commerce Commission CPP assessment fee refund	Recoverable Cost	CPP Commerce Commission fee	(266,855.91)	(61,960.31)	14/03/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
FY2015 to FY2019	CPP application engineer charge	Recoverable Cost	CPP Engineer Fee	12,350.00	3,148.58	20/12/2012
FY2015 to FY2019	CPP application engineer charge	Recoverable Cost	CPP Engineer Fee	2,875.00	723.53	20/02/2013
FY2015 to FY2019	CPP application verifier charge	Recoverable Cost	CPP Verifier Fee	73,007.99	18,613.09	20/12/2012
FY2015 to FY2019	CPP application verifier charge	Recoverable Cost	CPP Verifier Fee	67,556.25	17,094.04	25/01/2013
FY2015 to FY2019	CPP application verifier charge	Recoverable Cost	CPP Verifier Fee	63,626.57	15,809.50	22/04/2013
April 2014	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/05/2014
April 2014	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/05/2014
April 2014	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/05/2014
April 2014	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/05/2014
April 2014	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/05/2014
April 2014	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/05/2014
April 2014	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/05/2014
April 2014	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/05/2014
April 2014	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/05/2014
May 2014	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/06/2014
May 2014	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/06/2014
May 2014	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/06/2014
May 2014	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/06/2014
May 2014	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/06/2014
May 2014	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/06/2014
May 2014	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/06/2014
May 2014	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/06/2014
May 2014	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/06/2014
June 2014	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	21/07/2014
June 2014	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	21/07/2014
June 2014	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	21/07/2014
June 2014	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	21/07/2014
June 2014	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	21/07/2014
June 2014	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	21/07/2014
June 2014	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	21/07/2014
June 2014	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	21/07/2014
June 2014	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	21/07/2014
July 2014	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/08/2014
July 2014	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/08/2014
July 2014	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/08/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
July 2014	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/08/2014
July 2014	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/08/2014
July 2014	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/08/2014
July 2014	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/08/2014
July 2014	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/08/2014
July 2014	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/08/2014
August 2014	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/09/2014
August 2014	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/09/2014
August 2014	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/09/2014
August 2014	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/09/2014
August 2014	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/09/2014
August 2014	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/09/2014
August 2014	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/09/2014
August 2014	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/09/2014
August 2014	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/09/2014
September 2014	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/10/2014
September 2014	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/10/2014
September 2014	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/10/2014
September 2014	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/10/2014
September 2014	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/10/2014
September 2014	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/10/2014
September 2014	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/10/2014
September 2014	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/10/2014
September 2014	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/10/2014
October 2014	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/11/2014
October 2014	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/11/2014
October 2014	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/11/2014
October 2014	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/11/2014
October 2014	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/11/2014
October 2014	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/11/2014
October 2014	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/11/2014
October 2014	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/11/2014
October 2014	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/11/2014
November 2014	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	22/12/2014
November 2014	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	22/12/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
November 2014	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	22/12/2014
November 2014	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	22/12/2014
November 2014	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	22/12/2014
November 2014	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	22/12/2014
November 2014	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	22/12/2014
November 2014	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	22/12/2014
November 2014	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	22/12/2014
December 2014	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/01/2014
December 2014	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/01/2014
December 2014	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/01/2014
December 2014	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/01/2014
December 2014	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/01/2014
December 2014	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/01/2014
December 2014	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/01/2014
December 2014	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/01/2014
December 2014	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/01/2014
January 2015	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/02/2014
January 2015	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/02/2014
January 2015	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/02/2014
January 2015	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/02/2014
January 2015	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/02/2014
January 2015	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/02/2014
January 2015	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/02/2014
January 2015	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/02/2014
January 2015	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/02/2014
February 2015	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/03/2014
February 2015	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/03/2014
February 2015	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/03/2014
February 2015	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/03/2014
February 2015	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/03/2014
February 2015	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/03/2014
February 2015	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/03/2014
February 2015	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/03/2014
February 2015	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/03/2014
March 2015	Addington GXP Connection charge	Recoverable cost	Transpower connection charge		235,949.88	20/04/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
March 2015	Arthurs Pass GXP Connection charge	Recoverable cost	Transpower connection charge		15,105.50	20/04/2014
March 2015	Bromley GXP Connection charge	Recoverable cost	Transpower connection charge		157,510.58	20/04/2014
March 2015	Castle Hill GXP Connection charge	Recoverable cost	Transpower connection charge		11,704.45	20/04/2014
March 2015	Coleridge GXP Connection charge	Recoverable cost	Transpower connection charge		11,560.12	20/04/2014
March 2015	Hororata GXP Connection charge	Recoverable cost	Transpower connection charge		39,677.65	20/04/2014
March 2015	Islington GXP Connection charge	Recoverable cost	Transpower connection charge		122,096.12	20/04/2014
March 2015	Kimberley GXP Connection charge	Recoverable cost	Transpower connection charge		2,507.38	20/04/2014
March 2015	Middleton GXP Connection charge	Recoverable cost	Transpower connection charge		15,416.11	20/04/2014
April 2014	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/05/2014
April 2014	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/05/2014
April 2014	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/05/2014
April 2014	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	20/05/2014
April 2014	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	20/05/2014
April 2014	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/05/2014
April 2014	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/05/2014
April 2014	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/05/2014
May 2014	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/06/2014
May 2014	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/06/2014
May 2014	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/06/2014
May 2014	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	20/06/2014
May 2014	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	20/06/2014
May 2014	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/06/2014
May 2014	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/06/2014
May 2014	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/06/2014
June 2014	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	21/07/2014
June 2014	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	21/07/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
June 2014	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	21/07/2014
June 2014	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	21/07/2014
June 2014	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	21/07/2014
June 2014	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	21/07/2014
June 2014	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	21/07/2014
June 2014	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	21/07/2014
July 2014	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/08/2014
July 2014	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/08/2014
July 2014	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/08/2014
July 2014	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	20/08/2014
July 2014	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	20/08/2014
July 2014	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/08/2014
July 2014	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/08/2014
July 2014	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/08/2014
August 2014	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/09/2014
August 2014	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/09/2014
August 2014	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/09/2014
August 2014	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	20/09/2014
August 2014	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	20/09/2014
August 2014	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/09/2014
August 2014	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/09/2014
August 2014	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/09/2014
September 2014	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/10/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
September 2014	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/10/2014
September 2014	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/10/2014
September 2014	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	20/10/2014
September 2014	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	20/10/2014
September 2014	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/10/2014
September 2014	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/10/2014
September 2014	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/10/2014
October 2014	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/11/2014
October 2014	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/11/2014
October 2014	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/11/2014
October 2014	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	20/11/2014
October 2014	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	20/11/2014
October 2014	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/11/2014
October 2014	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/11/2014
October 2014	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/11/2014
November 2014	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	22/12/2014
November 2014	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	22/12/2014
November 2014	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	22/12/2014
November 2014	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	22/12/2014
November 2014	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	22/12/2014
November 2014	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	22/12/2014
November 2014	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	22/12/2014
November 2014	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	22/12/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
December 2014	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/01/2014
December 2014	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/01/2014
December 2014	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/01/2014
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December 2014	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/01/2014
December 2014	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/01/2014
December 2014	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/01/2014
January 2015	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/02/2014
January 2015	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/02/2014
January 2015	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/02/2014
January 2015	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	20/02/2014
January 2015	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	20/02/2014
January 2015	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/02/2014
January 2015	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/02/2014
January 2015	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/02/2014
February 2015	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/03/2014
February 2015	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/03/2014
February 2015	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/03/2014
February 2015	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	20/03/2014
February 2015	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	20/03/2014
February 2015	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/03/2014
February 2015	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/03/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
February 2015	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/03/2014
March 2015	Addington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,249,850.23	20/04/2014
March 2015	Arthurs Pass GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,745.67	20/04/2014
March 2015	Bromley GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		1,306,646.43	20/04/2014
March 2015	Castle Hill GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,852.21	20/04/2014
March 2015	Coleridge GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,146.31	20/04/2014
March 2015	Hororata GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		111,007.28	20/04/2014
March 2015	Islington GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		2,734,344.89	20/04/2014
March 2015	Middleton GXP Interconnection charge	Recoverable cost	Transpower interconnection charge		192,357.30	20/04/2014
April 2014	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/05/2014
April 2014	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/05/2014
April 2014	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/05/2014
April 2014	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/05/2014
April 2014	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/05/2014
April 2014	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	20/05/2014
April 2014	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	20/05/2014
May 2014	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/06/2014
May 2014	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/06/2014
May 2014	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/06/2014
May 2014	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/06/2014
May 2014	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/06/2014
May 2014	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	20/06/2014
May 2014	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	20/06/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
June 2014	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	21/07/2014
June 2014	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	21/07/2014
June 2014	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	21/07/2014
June 2014	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	21/07/2014
June 2014	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	21/07/2014
June 2014	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	21/07/2014
June 2014	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	21/07/2014
July 2014	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/08/2014
July 2014	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/08/2014
July 2014	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/08/2014
July 2014	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/08/2014
July 2014	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/08/2014
July 2014	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	20/08/2014
July 2014	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	20/08/2014
August 2014	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/09/2014
August 2014	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/09/2014
August 2014	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/09/2014
August 2014	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/09/2014
August 2014	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/09/2014
August 2014	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	20/09/2014
August 2014	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	20/09/2014
September 2014	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/10/2014
September 2014	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/10/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
September 2014	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/10/2014
September 2014	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/10/2014
September 2014	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/10/2014
September 2014	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	20/10/2014
September 2014	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	20/10/2014
October 2014	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/11/2014
October 2014	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/11/2014
October 2014	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/11/2014
October 2014	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/11/2014
October 2014	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/11/2014
October 2014	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	20/11/2014
October 2014	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	20/11/2014
November 2014	Bromley SCADA migration design solution NIC charge	Recoverable cost	Transpower new investment contract		22,566.91	22/12/2014
November 2014	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	22/12/2014
November 2014	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	22/12/2014
November 2014	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	22/12/2014
November 2014	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	22/12/2014
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November 2014	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	22/12/2014
November 2014	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	22/12/2014
December 2014	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/01/2014
December 2014	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/01/2014
December 2014	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/01/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
December 2014	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/01/2014
December 2014	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/01/2014
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January 2015	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/02/2014
January 2015	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/02/2014
January 2015	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/02/2014
January 2015	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/02/2014
January 2015	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/02/2014
January 2015	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	20/02/2014
January 2015	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	20/02/2014
February 2015	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/03/2014
February 2015	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/03/2014
February 2015	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/03/2014
February 2015	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/03/2014
February 2015	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/03/2014
February 2015	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	20/03/2014
February 2015	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	20/03/2014
March 2015	Bromley Third Transformer (T7) NIC charge	Recoverable cost	Transpower new investment contract		70,604.00	20/04/2014
March 2015	Hororata 33kV bus and 66kV line alterations NIC charge	Recoverable cost	Transpower new investment contract		1,987.00	20/04/2014
March 2015	Hororata Additional 66kV feeder (bay 150) NIC charge	Recoverable cost	Transpower new investment contract		2,116.79	20/04/2014
March 2015	Islington 66kV Feeder (Weedons) NIC charge	Recoverable cost	Transpower new investment contract		1,386.78	20/04/2014
March 2015	Islington Additional 33kV feeder NIC charge	Recoverable cost	Transpower new investment contract		2,704.59	20/04/2014

Period covered	Charge	Cost type	Subtotal group	Amount paid if different ($ excl GST)	Amount claimed ($ excl GST)	Date paid
March 2015	Kimberley 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		99,017.00	20/04/2014
March 2015	Middleton 66kV GXP Connection NIC charge	Recoverable cost	Transpower new investment contract		8,081.80	20/04/2014
01 April 2014	Accelerated payment of 11kV Switchboard 2 Additional Feeder NIC charge	Recoverable cost	Transpower new investment contract accelerated payment		547,989.65	31/03/2014
01 April 2014	Accelerated payment of 66kV Bay 170 NIC charge	Recoverable cost	Transpower new investment contract accelerated payment		334,305.50	31/03/2014
01 April 2014	Accelerated payment of T3 66kV Bus Relocation NIC charge	Recoverable cost	Transpower new investment contract accelerated payment		48,175.92	31/03/2014
Schedule Total					**85,771,535.71**	

Cost Type Grouping	
Recoverable cost	81,588,165.04
Pass through cost	4,183,370.67
	85,771,535.71

Subtotal Grouping	
Commerce Act levies	435,253.12
Commerce Act levies (2010 amortised)	83,589.50
Electricity & Gas Complaints Commission Levy	71,848.41
Electricity Authority Levy	625,582.87
Local authority rates	2,967,096.77
Avoided transmission charges (Export credits)	174,189.83
Avoided transmission charges (Generation credits)	39,976.20
Avoided transmission charges (Partial purchase of Bromley grid exit)	901,395.48
Avoided transmission charges (Paying of Springston investment contract)	198,172.01
Avoided transmission charges (Purchase of Papanui grid exit)	1,262,209.07
Avoided transmission charges (Purchase of Springston grid exit)	838,771.74
CPP Auditor Fee	61,694.27
CPP Commerce Commission fee	322,816.89
CPP Engineer Fee	3,872.11
CPP Verifier Fee	51,516.62
Transpower connection charge	7,338,333.48
Transpower interconnection charge	67,211,403.84
Transpower new investment contract	2,253,342.43
Transpower new investment contract accelerated payment	930,471.07
	85,771,535.71

APPENDIX E – CALCULATION OF CPP COST INSTALMENTS

Schedule 2, paragraph 3 of the CPP determination provides for the recovery of cost amounts relating to Orion's CPP proposal in equal instalments over the five assessment periods, calculated as:

$$RC_t = 0.23126 \times PV_{14}$$

where:

t is the year in which the Assessment Period ends;

RC_t is the Recoverable Cost amount allowed in the assessment period ending in year t;

PV_{14} is the present value at 1 April 2014 of each amount recoverable, with each present value calculated using a cost debt of 7.93% per annum.

Cost	Paid to	Cost (excl GST)	Date Paid	Days to 1/04/2014	Present Value 7.93% p.a.	Instalment @ 0.23123
Breakdown by individual invoice						
Engineer fee	LineTech Consulting	$12,350	20/12/2012	467	$13,617	$3,149
Auditor fee	Audit NZ	$50,000	7/12/2012	480	$55,278	$12,782
Verifier fee	Geoff Brown & Associates	$73,008	20/12/2012	467	$80,496	$18,613
Auditor fee	Audit NZ	$80,000	21/01/2013	435	$87,617	$20,260
Verifier fee	Geoff Brown & Associates	$67,556	25/01/2013	431	$73,927	$17,094
Engineer fee	LineTech Consulting	$2,875	20/02/2013	405	$3,129	$724
Auditor fee	Audit NZ	$40,000	8/02/2013	417	$43,644	$10,092
Application fee	Com Com	$20,000	21/02/2013	404	$21,763	$5,032
Auditor fee	Audit NZ	$74,000	8/03/2013	389	$80,270	$18,561
Verifier fee	Geoff Brown & Associates	$63,627	22/04/2013	344	$68,371	$15,809
Assessment fee	Com Com	$1,080,745	20/05/2013	316	$1,154,559	$266,969
Assessment fee	Com Com	$148,923	20/08/2013	224	$156,063	$36,087
Assessment fee	Com Com	$324,662	20/12/2013	102	$331,660	$76,690
Assessment fee	Com Com	($266,856)	14/03/2014	18	($267,901)	($61,947)
Total		**$1,770,890**			**$1,902,493**	**$439,913**
Breakdown by cost type						
Engineer fee	LineTech Consulting	$15,225	*		$16,746	$3,872
Auditor fee	Audit NZ	$244,000	*		$266,809	$61,694
Verifier fee	Geoff Brown & Associates	$204,191	*		$222,794	$51,517
Application fee	Com Com	$20,000			$21,763	$5,032
Assessment fee	Com Com	$1,287,474			$1,374,381	$317,798
Total		**$1,770,890**			**$1,902,493**	**$439,913**

* these amounts match those given in schedule 2, table 1 of the CPP determination.

DIRECTORS' CERTIFICATE FOR COMPLIANCE STATEMENT

We, Jeremy Brendan Smith and Paul Jason Munro, being directors of Orion New Zealand Limited certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached compliance statement of Orion New Zealand Limited, and related information, prepared for the purposes of the *Orion New Zealand Limited Customised Price-Quality Path Determination 2013* has been prepared in accordance with all the relevant requirements.

Jeremy Brendan Smith

Paul Jason Munro

10 June 2015

Independent Auditor's Report

To the directors of Orion New Zealand Limited and to the Commerce Commission

The Auditor-General is the auditor of Orion New Zealand Limited (the company). The Auditor-General has appointed me, Scott Tobin, using the staff and resources of Audit New Zealand, to provide an opinion, on her behalf, on whether the company's Compliance Statement for the year ended on 31 March 2015 on pages 3 to 61 complies, in all material respects, with the Orion New Zealand Limited Customised Price-Quality Path Determination 2013 (the Determination).

Directors' responsibilities

The directors of the company are responsible for the preparation of the Compliance Statement in accordance with the Determination, and for such internal control as the Directors determine is necessary to enable the preparation of a Compliance Statement that is free from material misstatement.

Auditor's responsibility

Our responsibility is to express an opinion on whether the Compliance Statement has been prepared, in all material respects, in accordance with the Determination.

Basis of opinion

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000: Assurance Engagements Other Than Audits or Reviews of Historical Financial Information issued by the External Reporting Board and the Standard on Assurance Engagements 3100: Compliance Engagements issued by the External Reporting Board.

These standards require that we comply with ethical requirements and plan and perform our audit to provide reasonable assurance (which is also referred to as 'audit' assurance) about whether the Compliance Statement has been prepared in all material respects in accordance with the Determination.

An audit involves performing procedures to obtain evidence about the amounts and disclosures in the Compliance Statement. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the Compliance Statement, whether due to fraud or error or non-compliance with the Determination. In making those risk assessments, the auditor considers internal control relevant to the company's preparation of the Compliance Statement in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.

In relation to the price path and quality standards set out in clauses 7 and 8 of the Determination respectively, our audit included examination, on a test basis, of evidence relevant to the amounts and disclosures contained on pages 3 to 61 of the Compliance Statement.

Our audit also included assessment of the significant estimates and judgements, if any, made by the company in the preparation of the Compliance Statement.

We have obtained sufficient recorded evidence and all the explanations that we required to provide a basis for our opinion.

Use of this report

This independent auditor's report has been prepared for the directors of the company and for the Commerce Commission for the purpose of providing those parties with independent audit assurance about whether the Compliance Statement has been prepared, in all material respects, in accordance with the Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the company or the Commerce Commission, or for any other purpose than that for which it was prepared.

Scope and inherent limitations

Because of the inherent limitations of an audit engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Compliance Statement nor do we guarantee complete accuracy of the Compliance Statement. Also we did not evaluate the security and controls over the electronic publication of the Compliance Statement.

The opinion expressed in this independent auditor's report has been formed on the above basis.

Independence

When carrying out the engagement we followed the independence requirements of the Auditor-General, which incorporate the independence requirements of the External Reporting Board. We also complied with the auditor requirements specified in the Determination.

The Auditor-General, and her employees, and Audit New Zealand and its employees may deal with the company on normal terms within the ordinary course of trading activities of the company. Other than any dealings on normal terms within the ordinary course of business, this engagement, the audit of the company's disclosure information prepared under the Electricity Distribution Information Disclosure Determination 2012 and the annual audit of the company's financial statements, we have no relationship with or interests in the company.

Opinion

In our opinion:

- the Compliance Statement of Orion New Zealand Limited for the year ended on 31 March 2015, has been prepared, in all material respects, in accordance with the Determination;

- the information used in the preparation of the Compliance Statement has been properly extracted from the company's accounting and other records, sourced from its financial and non-financial systems; and

- proper records to enable the complete and accurate compilation of the Compliance Statement have been kept.

Our audit was completed on 10 June 2015 and our opinion is expressed as at that date.

Scott Tobin
Audit New Zealand
On behalf of the Auditor-General
Christchurch, New Zealand