

OtagoNet Joint Venture

DEFAULT PRICE QUALITY PATH COMPLIANCE STATEMENT

FOR THE ASSESSMENT DATE 31 MARCH 2015

*Pursuant to the Commerce Act (Electricity Distribution Default Price-
Quality Path) Determination 2012*

12 June 2015

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1) Compliance with the Price Path (Clause 11.2(a))

OtagoNet Joint Venture does comply with the price path at the assessment date, 31 March 2015, as specified in the *Commerce Act (Electricity Distribution Default Price-Quality Path) Determination 2012*.

Clause 8.4 - The notional revenue (NR_i) of a Non-exempt EDB at any time during the Assessment Period must not exceed the allowable notional revenue (R_i) for the Assessment Period.

Compliance is demonstrated in the following table, which demonstrates that notional revenue during the Assessment Period does not exceed allowable notional revenue.

Test:	$\frac{NR_{2014/15}}{R_{2014/15}} \leq 1$	
NR _{2014/15}	\$	24,921,722
R _{2014/15}	\$	25,107,652
Result	0.9926	< 1
Result	<i>Price Path has not been breached</i>	

Supporting evidence is presented in Appendices A, B, C and D.

2) Compliance with the Quality Standards (Clause 11.2(a))

OtagoNet Joint Venture (OJV) does comply with the quality standards at the assessment date, 31 March 2015, as specified in the *Commerce Act (Electricity Distribution Default Price-Quality Path) Determination 2012, (the Determination)*.

OJV complies with the quality standards through compliance with Clause 9.1(b) of the Determination as demonstrated in the tables in the Prior Period Reliability Assessment (9.1(b)) section below. OJV has not complied with Clause 9.1(a) as demonstrated in the 2015 Reliability Assessment (9.1(a)) section below.

2015 Reliability Assessment (9.1(a))

Clause 9.1(a) requires compliance with Clause 9.2: A Non-exempt EDB's Assessed Values for an Assessment Period must not exceed its Reliability Limits for that Assessment Period.

The question of whether OJV has complied with clause 9.2 for the Assessment Period ended 31 March 2015 is not straightforward due to the purchase of Transpower assets on 31 March 2014.

Purchase of Transpower Assets

OJV purchased Transpower's Palmerston grid exit point assets and the dual circuit 110kV Halfway Bush to Palmerston line on 31 March 2014. These assets became System Fixed Assets of OJV for the Assessment Period ending 31 March 2015. OJV is therefore required to include any outages originating on those assets during the Assessment Period in its quality measures (SAIDI and SAIFI).

An outage originated on these ex-Transpower assets on 9 March 2015 which contributed a minimal 0.4 minutes to OJV's assessed SAIDI but a significant 0.21 times to assessed SAIFI. Reassessment of the Reliability Limits to reflect the outage history of the ex-Transpower assets increases the SAIDI Limit by 10.4 minutes and the SAIFI Limit 0.41 times.

The (2012) Determination is however silent on whether the SAIDI and SAIFI Limits and associated Boundary Values should be recalculated for the year following the purchase of Transpower assets.

We note that Clause 10.4 of the 2010 Determination required recalculation of the Reliability Limits to reflect the outage history of any System Fixed Assets transferred from Transpower in the year following a purchase. Similarly Clause 10.6 of the 2015 Determination requires the recalculation of the Quality Standards in the year immediately following a transaction involving a transfer of transmission assets from Transpower.

OJV's Quality Situation Summarised

Three permutations exist when considering OJV's SAIFI situation in 2014/15.

1. OJV's 2014/15 Assessed SAIFI of 3.27 times (including outages on ex-Transpower assets) has exceeded the SAIFI Limit of 3.12 times (excluding an allowance for outages on ex-Transpower assets).
2. OJV's 2014/15 Assessed SAIFI of 3.27 times (including outages on ex-Transpower assets) has not exceeded a notional SAIFI Limit of 3.53 times (including an allowance for outages on ex-Transpower assets).
3. OJV's 2014/15 notional Assessed SAIFI of 3.06 times (excluding outages on ex-Transpower assets) has not exceeded the SAIFI Limit of 3.12 times (excluding an allowance for outages on ex-Transpower assets).

OJV's (assessed or notional) SAIDI has not exceeded the (assessed or notional) SAIDI Limit in any of the three permutations outlined above.

In interpreting the Determination OJV concludes that permutation 1 applies, in that outages on ex-Transpower assets must be included in the Assessed SAIFI while no allowances for historical outages on the same ex-Transpower assets is permitted to be included in the SAIFI Limit.

OJV has therefore not complied with Clause 9.1(a) of the Determination.

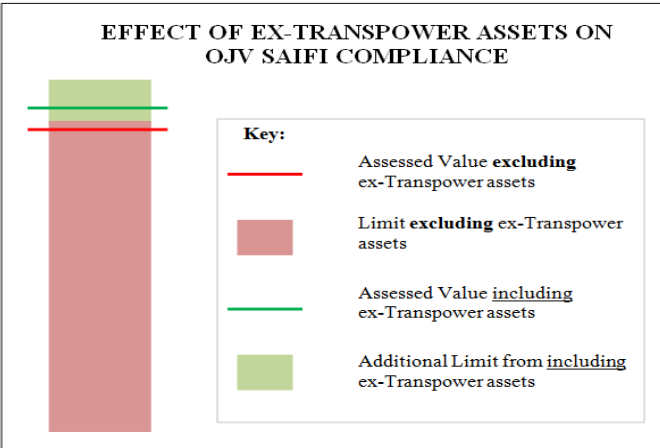
OJV believes that this outcome is neither fair nor equitable.

The quality calculations for the three permutations described above, the context of the outage and the impact of the ex-Transpower assets on the Quality Limits are detailed in the table, graph and narrative below.

Quality Calculation Permutations

The table below and bar graph at right describe the various permutations associated with inclusion/exclusion of ex-Transpower assets in the quality compliance calculations.

Note that the two Assessed SAIDI Values marked with a * below differ slightly, because recalculation of the Boundary Values changes the extent to which the SAIDI is normalised. There is no corresponding difference in Assessed SAIFI Values because no normalisation of SAIFI occurred during the 2014/15 year.



Ex-Transpower assets in relation to:				SAIDI Compliance?			SAIFI Compliance?
Assessed Values:	Limits/ Boundary Values:	SAIDI _{2014/15}	SAIDI _{LIMIT}		SAIFI _{2014/15}	SAIFI _{LIMIT}	
Excluded	Excluded	352.79	361.08	Yes	3.06	3.12	Yes
Included	Excluded	353.21*	361.08	Yes	3.27	3.12	No
Included	Included	354.31*	371.52	Yes	3.27	3.53	Yes

The outage in context

The 9 March 2015 outage resulted from a switching error on an ex-Transpower asset during a transfer of load. The transfer of load was being carried out under Transpower's direction, in support of a project Transpower was managing under a Customer Investment Contract. The particular layout of the local network required an unusual and rather counterintuitive switching sequence. However this was not realised and the traditional switching sequence was applied; which caused Transpower's GXP protection to operate.

Impact of ex-Transpower Assets

The 9 March 2015 outage caused an interruption in power to 21% of OJV’s customers. As a result this single incident consumed 6.8% of OJV’s SAIFI Limit. The increase in the SAIFI Assessed Values from the outage was 0.21 times.

As demonstrated by the outage history such a large impact is to be expected with ex-Transpower spur assets. These are often located at the supply end of the distribution network, so that outages associated with ex- Transpower spur assets have the same effect on customers as an outage on the Transpower Grid Exit Point.

Adjusting the SAIFI Limit to include the outage history of the ex-Transpower assets gives an increase of 0.41 times (including an increase in μ of 0.33). This indicates that the actual SAIFI contribution from these assets in the 2014/15 year (equal to 0.21) was substantially lower than should be considered normal for these assets.

As noted above OJV concludes that it has exceeded the SAIFI Reliability Limit in 2014/15 as it has to include outages on ex-Transpower assets which occurred during the year but it cannot include an allowance for the same assets in its Reliability Limits.

Non-compliance with Clause 9.1(a) is demonstrated in the following tables.

Test:	$\frac{SAIDI_{Assess\ 2014/15}}{SAIDI_{Limit}} \leq 1$	
SAIDI _{Assess 2014/15}	353.21	
SAIDI _{Limit}	361.08	
	0.9782	< 1
Clause 9.1(a) Result:	<i>Does not exceed limit</i>	

Test:	$\frac{SAIFI_{Assess\ 2014/15}}{SAIFI_{Limit}} \leq 1$	
SAIFI _{Assess 2014/15}	3.27	
SAIFI _{Limit}	3.12	
	1.0487	> 1
Clause 9.1(a) Result:	<i>Exceeds limit</i>	

Supporting evidence is presented in Appendices E and F.

Prior Period Reliability Assessment (9.1(b))

Clause 9.1.(b) : compliance with annual reliability assessments for the two immediately preceding extant Assessment Periods

Compliance with Clause 9.1(b) is demonstrated in the following tables.

SAIDI Assess 2013/14	348.15	SAIFI Assess 2013/14	2.95
SAIDI Limit 2013/14	361.08	SAIFI Limit 2013/14	3.12
0.9642	< 1	0.9456	< 1
	<i>Does not exceed limit</i>		<i>Does not exceed limit</i>

SAIDI Assess 2012/13	253.00	SAIFI Assess 2012/13	2.30
SAIDI Limit 2012/13	361.08	SAIFI Limit 2012/13	3.12
0.7007	< 1	0.7373	< 1
	<i>Does not exceed limit</i>		<i>Does not exceed limit</i>

Compliance Summary

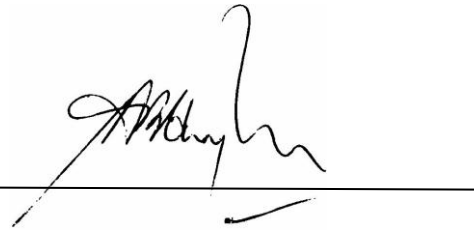
Clause 9.1 A Non-exempt EDB must, in respect of each Assessment Period, either:

- (a) comply with the annual reliability assessment specified in clause 9.2; or
- (b) have complied with those annual reliability assessments for the two immediately preceding extant Assessment Periods

			SAIDI	SAIFI	Compliance
Compliance	with	9.1(a)	Does not exceed limit	Exceeds limit	Does not comply
2014/15 Assessment Period					
or					
Compliance with 9.1(b)					Complies
		2013/14 Assessment Period	Does not exceed limit	Does not exceed limit	<i>Complies</i>
		2012/13 Assessment Period	Does not exceed limit	Does not exceed limit	<i>Complies</i>
Clause 9.1 Result:			<i>Complies with Quality Standard</i>		

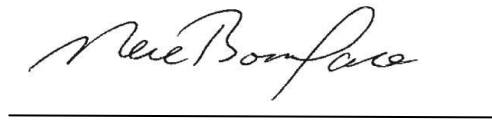
3) Director Certification (Clause 11.3(m))

We Alan Bertram Harper and Neil Douglas Boniface, being directors of companies which are parties to the OtagoNet Joint Venture certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached Annual Compliance Statement of OtagoNet Joint Venture, and related information, prepared for the purposes of the *Commerce Act (Electricity Distribution Default Price-Quality Path) Determination 2012* are true and accurate.



Alan Bertram Harper

12 June 2015



Neil Douglas Boniface

4. Auditor's Report (Clause 11.6)



INDEPENDENT AUDITOR'S REPORT TO THE DIRECTORS OF EA NETWORKS LIMITED AND TO THE COMMERCE COMMISSION

The Auditor-General is the auditor of EA Networks Limited (the company). The Auditor-General has appointed me, Robert Harris, using the staff and resources of PricewaterhouseCoopers, to provide an opinion, on her behalf, on whether the Annual Compliance Statement for the year ended on 31 March 2015 on pages 2 to 7 and 12 to 32 complies, in all material respects, with the Electricity Distribution Services Default Price-Quality Path Determination 2012 NZCC 35 (the Determination).

Directors' responsibilities for the Annual Compliance Statement

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

Auditor's responsibility for the Annual Compliance Statement

Our responsibility is to express an opinion on whether the Annual 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 Annual 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 Annual Compliance Statement. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the Annual 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 Annual 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 set out in clause 8 of the Determination, our audit included examination, on a test basis, of evidence relevant to the amounts and disclosures contained on pages 2, and 12 to 27 of the Annual Compliance Statement.

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In relation to the SAIDI and SAIFI statistics for the Reference Period and the Assessment Period ended on 31 March 2015, including the calculation of the Reliability Limits and the Assessed Values, which are relevant to the quality standards set out in clause 9 of the Determination, our audit included examination, on a test basis, of evidence relevant to the amounts and disclosures contained on pages 3 to 7 and 28 to 32 of the Annual Compliance Statement.

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

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit 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 Annual 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 Annual Compliance Statement nor do we guarantee complete accuracy of the Annual Compliance Statement. Also we did not evaluate the security and controls over the electronic publication of the Annual 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 independent auditor requirements specified in the Determination.

The Auditor-General, and her employees, and PricewaterhouseCoopers and its partners and employees may deal with the company and its subsidiaries 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, other regulatory compliance engagements and the annual audit of the company's financial statements, we have no relationship with or interests in the company and its subsidiaries.



Opinion

In our opinion, the Annual Compliance Statement of EA Networks Limited for the year ended on 31 March 2015, has been prepared, in all material respects, in accordance with the Determination.

Our audit was completed on 12 June 2015 and our opinion is expressed as at that date.

A handwritten signature in blue ink, appearing to read 'Robert Harris', is written above the printed name.

Robert Harris
PricewaterhouseCoopers
On behalf of the Auditor-General
Christchurch, New Zealand

Appendix A – Price Path Compliance Calculations (Clause 11.3 (a))

Clause 8.4

Notional Revenue 2014/15		
Term	Description	Value \$
$\Sigma P_{2014/15} * Q_{2012/13}$	Prices during 2014/2015 multiplied by 2012/2013 Quantities	35,242,339
$K_{2014/15}$	Rates on system fixed assets for year ending 31 March 2015	100,138
	Commerce Act levies for year ending 31 March 2015 + 1/5 of Commerce Act levies for year ending 31 March 2010	87,307
	Electricity Authority levies for year ending 31 March 2015	70,190
	EGCC levies for year ending 31 March 2015	7,462
$V_{2014/15}$	Transpower transmission charges for year ending 31 March 2015	6,629,139
	Transpower New Investment Contract charges for year ending 31 March 2015	65,703
	Avoided transmission charges resulting from connection of distributed generation for year ending 31 March 2015	977,172
	Avoided transmission charges resulting from a Transpower asset purchase for year ending 31 March 2015	1,284,610
	Clawback for year ending 31 March 2015	1,098,896
$NR_{2014/15}$	Notional Revenue for the year ending 31 March 2015	24,921,722

Allowable Notional Revenue 2014/15		
Term	Description	Value \$
$\Sigma P_{2013/14} * Q_{2012/13}$	Prices during 2013/2014 multiplied by 2012/2013 Quantities	32,923,695
$K_{2013/14}$	Rates on system fixed assets for year ending 31 March 2014	78,340
	Commerce Act levies for year ending 31 March 2014 + 1/5 of Commerce Act levies for year ending 31 March 2010	78,748
	Electricity Authority levies for year ending 31 March 2014	51,338
	EGCC levies for year ending 31 March 2014	6,744
$V_{2013/14}$	Transpower transmission charges for year ending 31 March 2014	6,839,917
	Transpower new Investment Contract charges for year ending 31 March 2014	64,373
	Avoided transmission charges resulting from connection of distributed generation for year ending 31 March 2014	1,111,044
$R_{2013/14} - NR_{2013/14}$	Revenue differential for year ending 31 March 2014	174,376
$(1 + \Delta CPI_{2014/15})$	Average change in Consumer Price Index	1.0097
X	X Factor	0%
$R_{2014/15}$	Allowable Notional Revenue for year ending 31 March 2015	25,107,652

$\Delta CPI_{2014/15}$			
Denominator		Numerator	
$CPI_{Dec2011}$	1158	$CPI_{Dec2012}$	1169
$CPI_{Mar2012}$	1164	$CPI_{Mar2013}$	1174
$CPI_{Jun2012}$	1168	$CPI_{Jun2013}$	1176
$CPI_{Sep2012}$	1171	$CPI_{Sep2013}$	1187
<i>Total</i>	4661	<i>Total</i>	4706
$DCPI_{2014/15}$	0.97%		

Source: Statistics NZ, SE9A Series

Revenue Differential 2014		
Term	Description	Value \$
$R_{2013/14}$	Allowable Notional Revenue for year ending 31 March 2014	24,562,247
$NR_{2013/14}$	Notional Revenue for year ending 31 March 2014	24,387,871
$R_{2013/14} - NR_{2013/14}$	Allowable Notional Revenue less Notional Revenue for year ending 31 March 2014	174,376

Clawback Recoverable Cost		
Term	Description	Value \$
$MAR_{2012/2013}$	Maximum allowable revenue for the year ended 31 March 2013	24,373,000
G	Line charge revenue (as disclosed pursuant to the relevant information disclosure determination for the disclosure year 2013)	30,693,000
	Pass-through costs for year ending 31 March 2013	179,747
	Recoverable costs for year ending 31 March 2013	7,121,226
$(I+r)^2$	Interest adjustment at 5.84%	1.12
$Clawback_{2014/15}$	Clawback recoverable cost for year ending 31 March 2015	1,098,896

Appendix B – Price and Quantity Schedules (Clause 11.3 (a))

NR₂₀₁₅

Notional Revenue at Assessment Date (31 March 2015):

Fixed Charges	Q= 31/03/2013	P= 31-3-2015		
	Number	Average	Rate	Total Fixed
		kVA	\$/kVA	Charge
Domestic	8,413	10	\$ 60.42	\$ 5,082,610
			\$/day	
10% Fixed Charge Option Off Peak	2,004	1	\$ 0.15	\$ 109,719
10% Fixed Charge Option Peak	871	1	\$ 0.150	\$ 47,687
			Rate	
			\$/kVA	
Commercial	3,385	17.25	\$ 100.72	\$ 5,879,933
Unmetered	88	1	\$ 248.35	\$ 21,855
		Watts		
Streetlights	9	256,600.00	0.464	\$ 119,062
Total	14,770			\$ 11,260,866

<u>Variable Charges</u>	Annual Day	Annual Night	Day	Night	Total Day	Total Night	Total
	kWHs	kWHs	\$/kWH	\$/kwh	\$	\$	Variable
Domestic, Commercial, Unmetered & Streetlights	94,992,890	35,666,984	\$ 0.13412	\$ 0.01550	\$ 12,740,446	\$ 552,838	
10% Fixed Charge Option	10,077,625	3,359,208	\$ 0.22287	\$ 0.02478	\$ 2,246,000	\$ 83,241	
					\$ 14,986,447	\$ 636,079	\$ 15,622,526
Total Fixed & Variable							\$ 26,883,392

<u>Maximum Demand</u>					
<u>Customers</u>					
Fixed Charges	Number	Total Capacity	Rate	Total	Total Fixed
		kVA	\$/kVA		
	46	14,175.00	\$ 48.95	\$ 693,866	
		Annual	Rate		
		Maximum Demand	\$/kVA		
	46	8499	\$ 41.43	\$ 352,107.45	\$ 1,045,974
Variable Charges	kWh	\$/kWh	Total	Total Variable	
Summer Day	10,169,747	0.0429	\$ 436,282		
Winter Day	7,532,088	0.0817	\$ 615,372		
All Nights	6,225,712	0.0064	\$ 39,845	\$ 1,091,498	
Total Fixed & Variable					\$ 2,137,472

Bulk & Generator											
			Total Annual								
			Line Charge								
Bulk Customers*											
0001995995TGE58			\$ 3,427,161.57								
0001990133TG0E5			\$ 486,008.03								
0001990220TG58B			\$ 821,264.25								
Generator**			\$ 345,965.59								
Half Hour Metered Individual	Units	Fixed	Units	Variable	Units	Fixed	Units	Variable	Fixed	Variable	Total
0001700063TGC3B	No ICPs	1	Annual MWh		\$/annum	\$ 136,216.85	\$/MWh		\$ 136,216.85	\$ -	\$ 136,216.85
0001090833TG6F1	No ICPs	1	Annual MWh	42.76	\$/annum	\$ 6,158.41	\$/MWh	\$ 160.02	\$ 6,158.41	\$ 6,843.02	\$ 13,001.43
0001230615TG210	No ICPs	1	Annual MWh	296.49	\$/annum	\$ 8,924.90	\$/MWh	\$ 32.74	\$ 8,924.90	\$ 9,706.85	\$ 18,631.75
0001230990TG51A	No ICPs	1	Annual MWh	540.73	\$/annum	\$ 35,812.07	\$/MWh	\$ 66.14	\$ 35,812.07	\$ 35,761.83	\$ 71,573.90
0001370610TG0A6	No ICPs	1	Annual MWh	77.11	\$/annum	\$ 6,733.67	\$/MWh	\$ 100.19	\$ 6,733.67	\$ 7,725.39	\$ 14,459.06
0001230785TG4F3	No ICPs	1	Annual MWh	191.08	\$/annum	\$ 8,010.48	\$/MWh	\$ 42.04	\$ 8,010.48	\$ 8,033.18	\$ 16,043.65
0001940095TGC20	No ICPs	1	Annual MWh	192.86	\$/annum	\$ 16,274.76	\$/MWh	\$ 88.05	\$ 16,274.76	\$ 16,980.54	\$ 33,255.30
0001710108TGCFA	No ICPs	1	Annual MWh		\$/annum	\$ 35,445.83	\$/MWh	\$ -	\$ 35,445.83	\$ -	\$ 35,445.83
0001710106TGF61	No ICPs	1	Annual MWh		\$/annum	\$ 20,506.89	\$/MWh	\$ -	\$ 20,506.89	\$ -	\$ 20,506.89
0001731255TG0C7	No ICPs	1	Annual MWh	305.58	\$/annum	\$ 20,081.38	\$/MWh	\$ 50.18	\$ 20,081.38	\$ 15,333.05	\$ 35,414.43
0001830903TG594	No ICPs	1	Annual MWh	35.85	\$/annum	\$ 5,451.29	\$/MWh	\$ 138.75	\$ 5,451.29	\$ 4,974.36	\$ 10,425.65
0001830497TGE71	No ICPs	1	Annual MWh	123.14	\$/annum	\$ 9,210.03	\$/MWh	\$ 61.07	\$ 9,210.03	\$ 7,520.20	\$ 16,730.23
0001231172TGE88	No ICPs	1	Annual MWh	1,806.58	\$/annum	\$ 71,247.65	\$/MWh	\$ 42.66	\$ 71,247.65	\$ 77,068.99	\$ 148,316.63
0001731161TG536	No ICPs	1	Annual MWh	184.51	\$/annum	\$ 24,875.22	\$/MWh	\$ -	\$ 24,875.22	\$ -	\$ 24,875.22
0001731175TGE91	No ICPs	1	Annual MWh	235.94	\$/annum	\$ 34,890.01	\$/MWh	\$ -	\$ 34,890.01	\$ -	\$ 34,890.01
0001830541TG8B8	No ICPs	1	Annual MWh	-	\$/annum	\$ 351,647.07	\$/MWh	\$ -	\$ 351,647.07	\$ -	\$ 351,647.07
0001491270TGA81	No ICPs	1	Annual MWh	72.41	\$/annum	\$ 4,766.81	\$/MWh	\$ 69.82	\$ 4,766.81	\$ 5,055.07	\$ 9,821.88
0001231005TGF1B	No ICPs	1	Annual MWh	826.20	\$/annum	\$ 73,825.89	\$/MWh	\$ 83.48	\$ 73,825.89	\$ 68,969.79	\$ 142,795.68
0001580380TGEBF	No ICPs	1	Annual MWh	12.86	\$/annum	\$ 3,801.08	\$/MWh	\$ 127.13	\$ 3,801.08	\$ 1,635.02	\$ 5,436.10
Total Bulk & Generator											\$ 6,219,886.99
P2015*Q2013											\$ 35,240,751

Lakeland Region						
Standard Domestic Fixed Charges						
Capacity		Code	Number	Quantity	\$ per Day	Total
15 kVA	Single phase 63 amp fuse	LD15	23	1	\$0.15	\$3.45
15 kVA	Three phase 20A MCB	LM15	5	1	\$0.15	\$0.75
8 kVA	Single Phase 32A MCB	LD08	0	1	\$0.041	\$0.00
Standard Domestic Variable Charges				Quantity kWh	\$ kWh	
General 24hr	Summer	S24S		159.526	\$ 0.1006	\$ 16.05
General 24hr	Winter	S24W		0.000	\$ 0.1514	\$ -
Peak Water	20 Hour Supply	S20C		14.097	\$ 0.0688	\$ 0.97
Standard Water	16 Hour Supply	S16C		69.129	\$ 0.0371	\$ 2.56
Night + 5 Hours	13 Hour Supply	S13C		0	\$ 0.0505	\$ -
Night + 3 Hours	11 Hour Supply	S11C		0	\$ 0.0290	\$ -
Night Only	8 Hour Supply	S08C		0	\$ 0.0127	\$ -
Total Standard Domestic						\$23.78
Non-Domestic Fixed Charges						
		Code	Number	Quantity	\$ per Day	Total
1 kVA	Single Phase 5A MCB+	LS001	2	1	\$ 0.60	\$ 1.19
2 kVA	Single Phase 63 amps++	LS002	0	1	\$ 1.18	\$ -
8 kVA	Single Phase 32A MCB	LS008	23	1	\$ 0.68	\$ 15.64
15 kVA	Single Phase 63 amps	LS015	51	1	\$ 1.17	\$ 59.86
23 kVA	Single Phase 100 amps	LS023	0	1	\$ 1.48	\$ -
28 kVA	Two Phase	LT028	1	1	\$ 1.79	\$ 1.79
15 kVA	Three Phase 20A MCB	LT015	3	1	\$ 1.17	\$ 3.52
24kVA	Three Phase 32A MCB	LT024	12	1	\$ 1.54	\$ 18.52
41 kVA	Three Phase 63 amps	LT041	33	1	\$ 2.60	\$ 85.76
69 kVA	Three Phase 100 amps	LT069	13	1	\$ 4.34	\$ 56.38

103 kVA	Three Phase 150 amps	LT103	4	1	\$ 6.45	\$ 25.79
138 kVA	Three Phase 200 amps	LT138	3	1	\$ 8.62	\$ 25.86
172 kVA	Three Phase 250 amps	LT172	0	1	\$ 27.30	\$ -
207 kVA	Three Phase 300 amps	LT207	0	1	\$ 32.61	\$ -
276 kVA	Three Phase 400 amps	LT276	2	1	\$ 40.71	\$ 81.41
Total						\$ 375.73
Non-Domestic Control Period Demand Charges		Code	Number	Quantity	\$/kW	Total
1 kVA	Single Phase 5A MCB+	LS001	2			
2 kVA	Single Phase 63 amps++	LS002	0			
8 kVA	Single Phase 32A MCB	LS008	23	1.1	\$ 197.50	\$ 13.69
15 kVA	Single Phase 63 amps	LS015	51	2.1	\$ 197.50	\$ 57.95
23 kVA	Single Phase 100 amps	LS023	0	4	\$ 215.28	\$ -
28 kVA	Two Phase	LT028	1	5.5	\$ 215.28	\$ 3.24
15 kVA	Three Phase 20A MCB	LT015	3	2.1	\$ 197.50	\$ 3.41
24kVA	Three Phase 32A MCB	LT024	12	5.1	\$ 215.28	\$ 36.10
41 kVA	Three Phase 63 amps	LT041	33	6.5	\$ 215.28	\$ 126.51
69 kVA	Three Phase 100 amps	LT069	13	11	\$ 215.28	\$ 84.34
103 kVA	Three Phase 150 amps	LT103	4	25	\$ 215.28	\$ 58.98
138 kVA	Three Phase 200 amps	LT138	3	43	\$ 215.28	\$ 76.09
172 kVA	Three Phase 250 amps	LT172	0	48	\$ 171.86	\$ -
207 kVA	Three Phase 300 amps	LT207	0	52	\$ 171.86	\$ -
276 kVA	Three Phase 400 amps	LT276	2	72	\$ 171.86	\$ 67.80
Total						\$ 528.12
Total Non-Domestic Charges						\$ 903.84
Half Hour Metered Individual						
ICP Number		Code	Number	Quantity (Days)	Fixed Charge per Day	Total
0000950315LN40D		LHHR	1	1	\$ 28.77	\$ 28.77
0000950320LNEBA		LHHR	1	1	\$ 30.44	\$ 30.44
0000950325LN3F5		LHHR	1	1	\$ 376.58	\$ 376.58
0000950330LN417		LHHR	1	1	\$ 106.35	\$ 106.35
0000950335LN958		LHHR	1	1	\$ 118.35	\$ 118.35

Total Half Hour Metered Individual						\$ 660.50	
Total Lakeland Region							\$1,588.12

P2014*Q2013							\$35,242,339.18
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NR_{max}

Maximum Notional Revenue at Assessment Date (31 March 2015):

As no prices have changed over the assessment period, Maximum Notional Revenue is the same as Notional Revenue at the Assessment Date (included in the NR 2015 table above).

R₂₀₁₅

Allowable Notional Revenue at Assessment Date (31 March 2015):

<u>Fixed Charges</u>	31-Mar-13	P= 31-3-2014		
	Number	Average	Rate	Total Fixed
		kVA	\$/kVA	Charge
Domestic	8,413	10	\$ 56.47	\$ 4,750,330
			\$/day	
10% Fixed Charge Option Off Peak	2,004	1	\$ -	\$ -
10% Fixed Charge Option Peak	871	1	\$ 0.068	\$ 21,618
			Rate	

			\$/kVA	
Commercial	3,385	17.25	\$ 94.13	\$ 5,495,215
Unmetered	88	1	\$ 232.10	\$ 20,425
		Watts		
Streetlights	9	256,600.00	0.434	\$ 111,364
Total	14,770			\$ 10,398,953

Variable Charges	Annual Day	Annual Night	Day	Night	Total Day	Total Night	Total
	kWHs	kWHs	\$/kWH	\$/kwh	\$	\$	Variable
Domestic, Commercial, Unmetered & Streetlights	94,992,890	35,666,984	\$ 0.12535	\$ 0.01450	\$ 11,907,359	\$ 517,171	
10% Fixed Charge Option	10,077,625	3,359,208	\$ 0.21203	\$ 0.02316	\$ 2,136,789	\$ 77,786	
Total Variable Charge					\$ 14,044,148	\$ 594,957	\$ 14,639,105
Total Fixed & Variable							\$ 25,038,058

Maximum Demand					
	Customers				
Fixed Charges	Number	Total Capacity	Rate	Total	Total Fixed
		kVA	\$/kVA		
	46	14,175.00	\$ 45.75	\$ 648,506	
		Annual	Rate		
		Maximum Demand	\$/kVA		
	46	8499	\$ 38.72	\$ 329,075.56	\$ 977,582

Variable Charges	kWh	\$/kWh	Total	Total Variable
Summer Day	10,169,747	0.0401	\$ 407,807	
Winter Day	7,532,088	0.0764	\$ 575,452	
All Nights	6,225,712	0.0060	\$ 37,354	\$ 1,020,613
Total Fixed & Variable				\$ 1,998,194

Bulk & Generator			Total Annual								
			Line Charge								
Bulk Customers*											
0001995995TGE58			\$ 2,600,872.93								
0001990133TG0E5			\$ 518,108.75								
0001990220TG58B			\$ 615,454.35								
Generator**			\$ 332,218.00								
Half Hour Metered Individual	Units	Fixed	Units	Variable	Units	Fixed	Units	Variable	Fixed	Variable	Total
0001700063TGC3B	No ICPs	1	Annual MWh		\$/annum	\$ 794,766.34	\$/MWh		\$ 794,766.34	\$ -	\$ 794,766.34
0001090833TG6F1	No ICPs	1	Annual MWh	42.76	\$/annum	\$ 5,857.98	\$/MWh	\$ 134.64	\$ 5,857.98	\$ 5,757.68	\$ 11,615.66
0001230615TG210	No ICPs	1	Annual MWh	296.49	\$/annum	\$ 8,557.54	\$/MWh	\$ 27.85	\$ 8,557.54	\$ 8,258.27	\$ 16,815.80
0001230990TG51A	No ICPs	1	Annual MWh	540.73	\$/annum	\$ 37,363.08	\$/MWh	\$ 57.07	\$ 37,363.08	\$ 30,859.42	\$ 68,222.51
0001370610TG0A6	No ICPs	1	Annual MWh	77.11	\$/annum	\$ 7,929.50	\$/MWh	\$ 93.46	\$ 7,929.50	\$ 7,206.75	\$ 15,136.25
0001230785TG4F3	No ICPs	1	Annual MWh	191.08	\$/annum	\$ 6,934.10	\$/MWh	\$ 37.18	\$ 6,934.10	\$ 7,104.12	\$ 14,038.23
0001940095TGC20	No ICPs	1	Annual MWh	192.86	\$/annum	\$ 16,386.93	\$/MWh	\$ 74.24	\$ 16,386.93	\$ 14,318.00	\$ 30,704.94
0001710108TGCFA	No ICPs	1	Annual MWh		\$/annum	\$ 31,693.89	\$/MWh	\$ -	\$ 31,693.89	\$ -	\$ 31,693.89
0001710106TGF61	No ICPs	1	Annual MWh		\$/annum	\$ 23,615.00	\$/MWh	\$ -	\$ 23,615.00	\$ -	\$ 23,615.00
0001731255TG0C7	No ICPs	1	Annual MWh	305.58	\$/annum	\$ 21,235.60	\$/MWh	\$ 60.67	\$ 21,235.60	\$ 18,539.62	\$ 39,775.22
0001830903TG594	No ICPs	1	Annual MWh	35.85	\$/annum	\$ 8,957.50	\$/MWh	\$ 84.50	\$ 8,957.50	\$ 3,029.66	\$ 11,987.16
0001830497TGE71	No ICPs	1	Annual MWh	123.14	\$/annum	\$ 18,540.71	\$/MWh	\$ 117.35	\$ 18,540.71	\$ 14,450.40	\$ 32,991.11
0001231172TGE88	No ICPs	1	Annual MWh	1,806.58	\$/annum	\$ 64,644.39	\$/MWh	\$ 39.76	\$ 64,644.39	\$ 71,836.32	\$ 136,480.72

0001731161TG536	No ICPs	1	Annual MWh	184.51	\$/annum	\$ 24,321.51	\$/MWh	\$ -	\$ 24,321.51	\$ -	\$ 24,321.51
0001731175TGE91	No ICPs	1	Annual MWh	235.94	\$/annum	\$ 22,788.10	\$/MWh	\$ -	\$ 22,788.10	\$ -	\$ 22,788.10
0001830541TG8B8	No ICPs	1	Annual MWh	-	\$/annum	\$ 357,826.81	\$/MWh	\$ -	\$ 357,826.81	\$ -	\$ 357,826.81
0001491270TGA81	No ICPs	1	Annual MWh	72.41	\$/annum	\$ 4,056.84	\$/MWh	\$ 56.36	\$ 4,056.84	\$ 4,080.97	\$ 8,137.82
0001231005TGF1B	No ICPs	1	Annual MWh	826.20	\$/annum	\$ 92,306.53	\$/MWh	\$ 95.56	\$ 92,306.53	\$ 78,947.74	\$ 171,254.27
0001580380TGE8F	No ICPs	1	Annual MWh	12.86	\$/annum	\$ 5,563.66	\$/MWh	\$ 123.64	\$ 5,563.66	\$ 1,590.10	\$ 7,153.76
Total Bulk & Generator											\$ 5,885,979.11
P2014*Q2013											\$ 32,922,232

Lakeland Region						
Standard Domestic Fixed Charges						
Capacity		Code	Number	Quantity	\$ per Day	Total
15 kVA	Single phase 63 amp fuse	LD15	23	1	\$0.15	\$3.45
15 kVA	Three phase 20A MCB	LM15	5	1	\$0.15	\$0.75
8 kVA	Single Phase 32A MCB	LD08	0	1	\$0.041	\$0.00
Standard Domestic Variable Charges				Quantity kWh	\$ kWh	
General 24hr	Summer	S24S		159.526	\$ 0.09	\$ 15.01
General 24hr	Winter	S24W		0.000	\$ 0.14	\$ -
Peak Water	20 Hour Supply	S20C		14.097	\$ 0.06	\$ 0.90
Standard Water	16 Hour Supply	S16C		69.129	\$ 0.03	\$ 2.32
Night + 5 Hours	13 Hour Supply	S13C		0	\$ 0.05	\$ -
Night + 3 Hours	11 Hour Supply	S11C		0	\$ 0.03	\$ -
Night Only	8 Hour Supply	S08C		0	\$ 0.01	\$ -
Total Standard Domestic						\$22.43
Non-Domestic Fixed Charges						
		Code	Number	Quantity	\$ per Day	Total
1 kVA	Single Phase 5A MCB+	LS001	2	1	\$ 0.55	\$ 1.11
2 kVA	Single Phase 63 amps++	LS002	0	1	\$ 1.08	\$ -

8 kVA	Single Phase 32A MCB	LS008	23	1	\$	0.63	\$ 14.57
15 kVA	Single Phase 63 amps	LS015	51	1	\$	1.09	\$ 55.72
23 kVA	Single Phase 100 amps	LS023	0	1	\$	1.47	\$ -
28 kVA	Two Phase	LT028	1	1	\$	1.78	\$ 1.78
15 kVA	Three Phase 20A MCB	LT015	3	1	\$	1.09	\$ 3.28
24kVA	Three Phase 32A MCB	LT024	12	1	\$	1.53	\$ 18.41
41 kVA	Three Phase 63 amps	LT041	33	1	\$	2.58	\$ 85.22
69 kVA	Three Phase 100 amps	LT069	13	1	\$	4.31	\$ 56.02
103 kVA	Three Phase 150 amps	LT103	4	1	\$	6.41	\$ 25.62
138 kVA	Three Phase 200 amps	LT138	3	1	\$	8.56	\$ 25.69
172 kVA	Three Phase 250 amps	LT172	0	1	\$	26.38	\$ -
207 kVA	Three Phase 300 amps	LT207	0	1	\$	31.50	\$ -
276 kVA	Three Phase 400 amps	LT276	2	1	\$	39.21	\$ 78.42
Total							\$ 365.83
Non-Domestic Control Period Demand Charges		Code	Number	Quantity		\$/kW	Total
1 kVA	Single Phase 5A MCB+	LS001	2				
2 kVA	Single Phase 63 amps++	LS002	0				
8 kVA	Single Phase 32A MCB	LS008	23	1.1	\$	174.85	\$ 12.12
15 kVA	Single Phase 63 amps	LS015	51	2.1	\$	174.85	\$ 51.31
23 kVA	Single Phase 100 amps	LS023	0	4	\$	192.74	\$ -
28 kVA	Two Phase	LT028	1	5.5	\$	192.74	\$ 2.90
15 kVA	Three Phase 20A MCB	LT015	3	2.1	\$	174.85	\$ 3.02
24kVA	Three Phase 32A MCB	LT024	12	5.1	\$	192.74	\$ 32.32
41 kVA	Three Phase 63 amps	LT041	33	6.5	\$	192.74	\$ 113.27
69 kVA	Three Phase 100 amps	LT069	13	11	\$	192.74	\$ 75.51
103 kVA	Three Phase 150 amps	LT103	4	25	\$	192.74	\$ 52.81
138 kVA	Three Phase 200 amps	LT138	3	43	\$	192.74	\$ 68.12
172 kVA	Three Phase 250 amps	LT172	0	48	\$	151.28	\$ -
207 kVA	Three Phase 300 amps	LT207	0	52	\$	151.28	\$ -
276 kVA	Three Phase 400 amps	LT276	2	72	\$	151.28	\$ 59.68
Total							\$ 471.05

Total Non-Domestic Charges						\$ 836.88
Half Hour Metered Individual						
ICP Number		Code	Number	Quantity (Days)	Fixed Charge per Day	Total
0000950315LN40D		LHHR	1	1	\$ 31.66	\$ 31.66
0000950320LNEBA		LHHR	1	1	\$ 31.64	\$ 31.64
0000950325LN3F5		LHHR	1	1	\$ 353.12	\$ 353.12
0000950330LN417		LHHR	1	1	\$ 72.82	\$ 72.82
0000950335LN958		LHHR	1	1	\$ 114.79	\$ 114.79
Total Half Hour Metered Individual						\$ 604.03
Total Lakeland Region						\$1,463.33

P2014*Q2013	\$32,923,694.95
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Appendix C – Pass Through & Recoverable Costs (Clause 11.3(b - e))

Pass-through Costs for year ending March 2015				
K _{2014/15}	Actual (\$)	Forecast (\$)	Variance (\$)	Variance (%)
Rates on system fixed assets	100,138	82,200	17,938	21.8%
Commerce Act levies	87,307	84,485	2,822	3.3%
Electricity Authority levies	70,190	62,000	8,190	13.2%
EGCC levies	7,462	6,744	718	10.6%
Total Pass-through Costs	265,097	235,429	29,668	12.6%

Recoverable Costs for year ending March 2015				
V _{2014/15}	Actual (\$)	Forecast (\$)	Variance (\$)	Variance (%)
Transpower transmission charges	6,629,139	6,629,139	0	0.0%
New investment contract charges	65,703	65,703	(0)	(0.0%)
Avoided transmission charges - distributed generation	977,172	977,172	-	0.0%
Avoided transmission charges - Transpower asset purchase	1,284,610	1,284,610	-	0.0%
Clawback	1,098,896	1,098,896	(0)	(0.0%)
Total Recoverable Costs	10,055,520	10,055,520	(0)	(0.0%)

Explanation for variances

At the time of setting our prices the actual amounts for pass-through costs are unknown, we therefore estimate these based on a re-forecast of the previous year.

The variance in the forecast amount and actual amount for Electricity Authority levies is due to an increase in the rate for the Registry & Consumer levy, which increased from \$0.0316 to \$0.0976 per ICP.

The variance in the rates on system fixed assets from forecast is due to a large increase by the Dunedin City Council in their capital valuations.

Appendix D – Restructuring of Prices and Transactions (Clause 11.3((f) – (g), (j) and (k))

Clauses 11.3 ((f) – (g)) – OtagoNet Joint Venture did not restructure the Prices that applied during the Assessment Period and therefore clauses 8.5 and 8.6 did not apply during the Assessment Period.

Clauses 10.2 and 11.3 ((j) & (k)) –

On 31 March 2015 Lakeland Network assets were amalgamated with OtagoNet Joint Venture, the prices and quantities associated with line charges for consumers connected to the Lakeland network have been included in OJV's price path assessments (ANR and NR) for FY15 (and any associated recoverable and pass through costs). Therefore Notional Revenue and Allowable Notional revenue calculations were adjusted by one out of 365 days, consistent with Clauses 10.2 (Transactions resulting in consumers being supplied by a different EDB) and Schedule 1F of the 2012 DPP Determination. The transaction occurred on 31 March 2015.

On 31 March 2014 OtagoNet Joint Venture purchased System Fixed Assets from Transpower. This purchase did not result in any ICP's being supplied by a different EDB. . The reliability performance of those assets is included in the 2014/15 Assessment period, in accordance with Schedule 2 of the 2012 DPP Determination.

Appendix E – Quality Standard Compliance Calculations (Clause 11.3(h))

Reliability Assessment Calculations (2015 Assessment Period) Reliability Data (Before Normalisation)

Year	SAIDI (Interruption Duration)			SAIFI (Interruption Frequency)		
	Class B	Class C	Total	Class B	Class C	Total
2005	76.41	98.00	174.41	0.45	1.27	1.73
2006	174.09	133.07	307.16	0.76	1.98	2.74
2007	293.64	176.82	470.46	1.31	2.21	3.53
2008	187.57	315.83	503.40	0.81	2.29	3.10
2009	163.62	106.70	270.32	0.72	2.09	2.81
	Reference Period Total SAIDI		1,725.75	Reference Period Total SAIFI		13.91
	Reference Period Average SAIDI		345.15	Reference Period Average SAIFI		2.78
2011	114.59	132.49	247.08	0.48	1.77	2.26
2012	99.87	220.91	320.78	0.46	1.90	2.37
2013	130.52	122.49	253.00	0.55	1.75	2.30
2014	154.13	294.22	448.35	0.58	2.44	3.02
2015	133.11	222.92	356.03	0.50	2.77	3.27

Reliability Limit Calculations (using Reference Period Dataset)

SAIDI Boundary Calculations		
α_{SAIDI}	-0.6442	The average of the natural logarithm (ln) of each daily SAIDI Value in the non-zero data set
β_{SAIDI}	1.4527	The standard deviation of the natural logarithm (ln) of each daily SAIDI Value in the non-zero data set
$B_{SAIDI} = e^{(\alpha_{SAIDI} + 2.5\beta_{SAIDI})}$	19.8376	SAIDI Boundary Value

SAIFI Boundary Calculations

α_{SAIFI}	-5.5381	The average of the natural logarithm (ln) of each daily SAIFI Value in the non-zero data set
β_{SAIFI}	1.4201	The standard deviation of the natural logarithm (ln) of each daily SAIFI Value in the non-zero data set
$B_{SAIFI} = e^{(\alpha_{SAIFI} + 2.5 * \beta_{SAIFI})}$	0.1370	SAIFI Boundary Value

Event Days exceeding SAIDI Boundary Value within the Reference Dataset

Date	Pre-Normalised SAIDI	Pre-Normalised SAIFI	Normalised SAIDI	Normalised SAIFI
29.06.05	21.0942	0.0736	19.8376	0.0736
04.04.06	32.7176	0.1715	19.8376	0.1370
26.04.06	28.0307	0.2249	19.8376	0.1370
02.09.06	28.7310	0.1124	19.8376	0.1124
23.06.07	22.7035	0.0406	19.8376	0.0406
23.10.07	78.0372	0.2305	19.8376	0.1370
21.11.07	48.4461	0.1583	19.8376	0.1370
			-	-
			-	-
			-	-

SAIDI Limit

μ_{SAIDI}	320.9701	The average annual SAIDI Value in the Normalised Reference Dataset
σ_{SAIDI}	40.1053	The standard deviation of daily SAIDI Values in the Normalised Reference Dataset multiplied by $\sqrt{365}$
$SAIDI_{Limit} = \mu_{SAIDI} + \sigma_{SAIDI}$	361.0754	SAIDI Limit Value

SAIFI Limit

μ_{SAIFI}	2.7349	The average annual SAIFI Value in the Normalised Reference Dataset
σ_{SAIFI}	0.3848	The standard deviation of daily SAIFI Values in the Normalised Reference Dataset multiplied by $\sqrt{365}$
$SAIFI_{Limit} = \mu_{SAIFI} + \sigma_{SAIFI}$	3.1197	SAIFI Limit Value

Event Days exceeding SAIDI Boundary Value within the 2014/15 Assessment Dataset

Date	Pre-Normalised SAIDI	Pre-Normalised SAIFI	Normalised SAIDI	Normalised SAIFI
24.05.14	21.9588	0.1006	19.8376	0.1006
17.12.14	20.5331	0.0512	19.8376	0.0512
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-

Assessed SAIDI Value 2014/15

$SAIDI_{2014/15}$	353.21	The sum of daily SAIDI Values in the 1 April 2014 - 31 March 2015 Normalised Assessment Dataset
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Assessed SAIFI Value 2014/15

SAIFI _{2014/15}	3.27	The sum of daily SAIFI Values in the 1 April 2014 - 31 March 2015 Normalised Assessment Dataset
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Prior Period Assessed Values

Assessed SAIDI Value 2013/14

SAIDI _{2013/14}	348.15	The sum of daily SAIDI Values in the 1 April 2013 - 31 March 2014 Normalised Assessment Dataset
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Assessed SAIFI Value 2013/14

SAIFI _{2013/14}	2.95	The sum of daily SAIFI Values in the 1 April 2013 - 31 March 2014 Normalised Assessment Dataset
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Assessed SAIDI Value 2012/13

SAIDI _{2012/13}	253.00	The sum of daily SAIDI Values in the 1 April 2012 - 31 March 2013 Normalised Assessment Dataset
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Assessed SAIFI Value 2012/13

SAIFI _{2012/13}	2.30	The sum of daily SAIFI Values in the 1 April 2012 - 31 March 2013 Normalised Assessment Dataset
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Appendix F – Policies and Procedures for Recording SAIDI and SAIFI (Clause 11.3(i))

OJV contracts PowerNet to manage its network via an Outsourcing Agreement.

PowerNet has a number of ISO 9002 procedures that govern the operational processes that surround the interruption, restoration and quality of supply to its customers. These procedures document the process by which managing, recording and reporting of outages is performed by PowerNet. This is carried out by following a series of flow charts, documents, forms and instructions contained within the following procedures:

PNM 65 – Planned Outages

PNM 69 – Network Faults, Defects and Supply Complaints

PNM 71 – Use of Operating Orders

Key items within these procedures that relate to the recording and reporting of SAIDI and SAIFI statistics include:

- Responsibilities for recording faults and outages at the system control operator level through to reviewing and reporting of faults and outages daily by management, weekly at operations meetings and monthly at board meetings.
- Methods by which notification of planned and unplanned outages are identified and captured from various sources such as customers, network equipment, contractors, Transpower, the public or emergency services.
- The use of Operating Orders for planned maintenance and unplanned fault restoration and how the information from these orders flow through to the Outage Reporting System in the form of duration of outages and number of customers affected.
- The recording of all faults and outages, however for the reporting of SAIDI and SAIFI only the inclusion of outages of a duration exceeding one minute or affecting more than three customers is recorded.
- The method of calculating SAIDI and SAIFI for outages which are progressively restored.
- The preparation, retention and archiving of supporting records and data.