

Electricity Invercargill Limited

DEFAULT PRICE QUALITY PATH COMPLIANCE STATEMENT

FOR THE ASSESSMENT DATE 31 MARCH 2014

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

29 May 2014

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

Electricity Invercargill Limited does comply with the price path at the assessment date, 31 March 2014, as specified in the *Commerce Act (Electricity Distribution Default Price-Quality Path) Determination 2012*.

Clause 8.4 - The notional revenue (NR_t) of a Non-exempt EDB at any time during the Assessment Period must not exceed the allowable notional revenue (R_t) 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:	$\frac{NR_{2013/14}}{R_{2013/14}} \leq 1$	
$NR_{2013/14}$:	\$	13,195,418
$R_{2013/14}$:	\$	13,357,261
Result:		0.9879 < 1
Result:	<i>Price Path has not been breached</i>	

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

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

Electricity Invercargill Limited does comply with all requirements of the quality standards at the assessment date, 31 March 2014, as specified in the *Commerce Act (Electricity Distribution Default Price-Quality Path) Determination 2012*.

2014 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

Compliance is demonstrated in the following tables.

Test:	$\frac{SAIDI_{Assess\ 2013/14}}{SAIDI_{Limit}} \leq 1$	
SAIDI _{Assess 2013/14}		25.10
SAIDI _{Limit}		45.65
	0.5499	< 1
Clause 9.1(a) Result:		<i>Does Not Exceed Limit</i>

Test:	$\frac{SAIFI_{Assess\ 2013/14}}{SAIFI_{Limit}} \leq 1$	
SAIFI _{Assess 2013/14}		0.52
SAIFI _{Limit}		1.13
	0.4593	< 1
Clause 9.1(a) Result:		<i>Does Not Exceed 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 is demonstrated in the following tables.

SAIDI _{Assess 2012/13}	31.79	SAIFI _{Assess 2012/13}	0.33
SAIDI _{Limit 2012/13}	45.65	SAIFI _{Limit 2012/13}	1.13
0.6965	< 1	0.2955	< 1
	<i>Does Not Exceed Limit</i>		<i>Does Not Exceed Limit</i>

SAIDI _{Assess 2011/12}	63.63	SAIFI _{Assess 2011/12}	1.30
SAIDI _{Limit 2011/12}	45.65	SAIFI _{Limit 2011/12}	1.13
1.3941	> 1	1.1438	> 1
	<i>Exceeds Limit</i>		<i>Exceeds Limit</i>

Compliance Summary

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

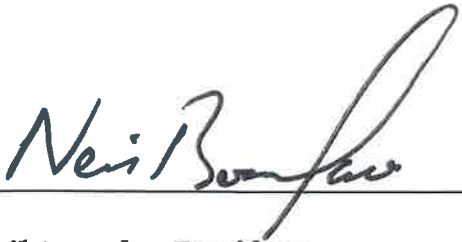
(a) comply with the annual reliability assessment specified in clause 9.2; or

(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	Does Not Exceed Limit	<i>Complies</i>
or			
Compliance with 9.1(b)			<i>Does not Comply</i>
2012/13 Assessment Period	Does Not Exceed Limit	Does Not Exceed Limit	<i>Complies</i>
2011/12 Assessment Period	Exceeds Limit	Exceeds Limit	<i>Does not Comply</i>
Clause 9.1 Result:	<i>Complies with Quality Standard</i>		

Director Certification (Clause 11.3(m))

We Neil Douglas Boniface and Ross Lindsay Smith, being directors of Electricity Invercargill Limited certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached Annual Compliance Statement of Electricity Invercargill Limited, and related information, prepared for the purposes of the *Commerce Act (Electricity Distribution Default Price-Quality Path) Determination 2012* are true and accurate.



Neil Douglas Boniface



Ross Lindsay Smith

29 May 2014

4. Auditor's Report (Clause 11.6)



INDEPENDENT AUDITOR'S REPORT TO THE DIRECTORS OF ELECTRICITY INVERCARGILL LIMITED AND TO THE COMMERCE COMMISSION

The Auditor-General is the auditor of Electricity Invercargill 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 2014 on pages 2 to 5 and 9 to 29 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 9 to 24 of the Annual Compliance Statement.

In relation to the SAIDI and SAIFI statistics for the Reference Period and the Assessment Period ended on 31 March 2014, 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 5 and 25 to 29 of the Annual Compliance Statement.

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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 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.

Opinion

In our opinion, the Annual Compliance Statement of Electricity Invercargill Limited for the year ended on 31 March 2014, has been prepared, in all material respects, in accordance with the Determination.

Our audit was completed on 10 June 2014 and our opinion is expressed as at that date.

A handwritten signature in blue ink, appearing to read 'R. Harris', is written over a light blue horizontal line.

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

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

Notional Revenue 2013/14		
Term	Description	Value \$
$\Sigma P_{2013/14} * Q_{2011/12}$	Prices at 31 March 2014 multiplied by 31 March 2012 Base Quantities	18,468,827
$K_{2013/14}$	Rates on system fixed assets for year ending 31 March 2014	104,391
	Commerce Act levies for year ending 31 March 2014 + 1/5 of Commerce Act levies for year ending 31 March 2010	36,134
	Electricity Authority levies for year ending 31 March 2014	30,985
	EGCC levies for year ending 31 March 2014	6,684
$V_{2013/14}$	Transpower transmission charges for year ending 31 March 2014	4,682,474
	Transpower New Investment Contract charges for the year ending 31 March 2014	412,741
	System Operator charges for year ending 31 March 2014	
	Avoided transmission charges resulting from purchase of Transpower assets for year ending 31 March 2014	
	Avoided transmission charges resulting from connection of distributed generation for year ending 31 March 2014	
	Indirect Transmission Charges for the year ending 31 March 2014	
$NR_{2013/14}$	Notional Revenue for the year ending 31 March 2014	13,195,418

Allowable Notional Revenue 2013/14		
Term	Description	Value \$
<i>MAR</i> _{2013/14}	Maximum Allowable Notional Revenue for the year ending 31 March 2014.	13,320,000
<i>K</i> _{2013/14}	Rates on system fixed assets for year ending 31 March 2014	104,391
	Commerce Act levies for year ending 31 March 2014 + 1/5 of Commerce Act levies for year ending 31 March 2010	36,134
	Electricity Authority levies for year ending 31 March 2014	30,985
	EGCC levies for year ending 31 March 2014	6,684
<i>V</i> _{2013/14}	Transpower transmission charges for year ending 31 March 2014	4,682,474
	Transpower New Investment Contract charges for the year ending 31 March 2014	412,741
	System Operator charges for year ending 31 March 2014	-
	Avoided transmission charges resulting from purchase of Transpower assets for year ending 31 March 2014	-
	Avoided transmission charges resulting from connection of distributed generation for year ending 31 March 2014	-
	Indirect Transmission Charges for the year ending 31 March 2014	-
<i>ΔD</i>	Change in Constant Price Revenue for the period 1 April 2012 to 31 March 2014	0.998

<i>R</i> _{2013/14}	Allowable Notional Revenue for the year ending 31 March 2014	13,357,261
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Appendix B – Price and Quantity Schedules (Clause 11.1(b)(i))

NR₂₀₁₄

Notional Revenue at Assessment Date (31 March 2014):

Customer Name	Capacity Code	Numbers	Fixed Charge per Day		Annual Fixed Charge
		31-Mar-12	31-Mar-14		
EIL City Single phase					
1-7.5 kVA (35 amp)	ND08P	12	\$ 0.5953	\$ 2,607	
1-7.5 kVA (35 amp)	ND08Q	151	\$ 0.4140	\$ 22,818	
7.5-20 kVA (80 amp)	ND20P	546	\$ 1.1000	\$ 219,219	
7.5-20 kVA (80 amp)	ND20Q	10352	\$ 0.7637	\$ 2,885,625	
20kVA (80 amp) Low	NDL20P	192	\$ 0.1500	\$ 10,512	
20kVA (80 amp) Low	NDL20Q	2979	\$ -	\$ -	
1-7.5 kVA (35 amp) Low	NDL08P	7	\$ 0.1500	\$ 383	
1-7.5 kVA (35 amp) Low	NDL08Q	56	\$ -	\$ -	
Non-Domestic Single Phase					
0-1 kVA	NS001L	2	\$ 0.0909	\$ 66	
0-1 kVA	NS001P	31	\$ 0.4270	\$ 4,832	
8 kVA 1 Phase - All Peak	NS008P	169	\$ 0.5953	\$ 36,721	
8 kVA 1 Phase - With Off Peak	NS008Q	13	\$ 0.4140	\$ 1,964	
20 kVA 1 Phase - All Peak	NS020P	284	\$ 1.1000	\$ 114,026	
20 kVA 1 Phase - With Off Peak	NS020Q	116	\$ 0.7637	\$ 32,335	

Three phase				
0-15kVA (20 amp)	NT015P	60	\$ 0.9192	\$ 20,130
0-15kVA	NT015Q	10	\$ 0.5953	\$ 2,173
15-30 kVA (45 amp)	NT030P	527	\$ 1.5401	\$ 296,246
15-30 kVA	NT030Q	151	\$ 1.0482	\$ 57,772
30-50 kVA	NT050P	283	\$ 3.1448	\$ 324,842
30-50 kVA	NT050Q	75	\$ 2.1354	\$ 58,457
50-75 kVA	NT075P	101	\$ 6.4579	\$ 238,070
50-75 kVA	NT075Q	15	\$ 4.6979	\$ 25,721
75-100 kVA	NT100P	60	\$ 7.8555	\$ 172,035
75-100 kVA	NT100Q	8	\$ 5.6944	\$ 16,628
Total				
Bluff				
Single Phase				
1-7.5 kVA (35 amp)	BD08P	2	\$ 0.5953	\$ 435
1-7.5 kVA (35 amp)	BD08Q	6	\$ 0.4140	\$ 907
7.5-20 kVA (80 amp)	BD20P	126	\$ 1.1000	\$ 50,589
7.5-20 kVA (80 amp)	BD20Q	556	\$ 0.7637	\$ 154,985
20kVA (80 amp) Low	BDL20P	57	\$ 0.1500	\$ 3,121
20kVA (80 amp) Low	BDL20Q	134	\$ -	\$ -
1-7.5 kVA (35 amp) Low	BDL08P	2	\$ 0.1500	\$ 110
1-7.5 kVA (35 amp) Low	BDL08Q	2	\$ -	\$ -
Non-Domestic Single Phase				
0-1 kVA	BS001L	1	\$ 0.0909	\$ 33
0-1 kVA	BS001P	0	\$ 0.4270	\$ -

8 kVA 1 Phase - All Peak	BS008P	11	\$ 0.5953	\$ 2,390
8 kVA 1 Phase - With Off Peak	BS008Q	0	\$ 0.4140	\$ -
20 kVA 1 Phase - All Peak	BS020P	29	\$ 1.1000	\$ 11,644
20 kVA 1 Phase - With Off Peak	BS020Q	3	\$ 0.7637	\$ 836
Three phase				
0-15kVA (20 amp)	BT015P	4	\$ 0.9192	\$ 1,342
0-15kVA	BT015Q	0	\$ 0.5953	\$ -
15-30 kVA (45 amp)	BT030P	33	\$ 1.5401	\$ 18,551
15-30 kVA	BT030Q	7	\$ 1.0482	\$ 2,678
30-50 kVA	BT050P	12	\$ 3.1448	\$ 13,774
30-50 kVA	BT050Q	4	\$ 2.1354	\$ 3,118
50-75 kVA	BT075P	8	\$ 6.4579	\$ 18,857
50-75 kVA	BT075Q	0	\$ 4.6979	\$ -
75-100 kVA	BT100P	3	\$ 7.8555	\$ 8,602
75-100 kVA	BT100Q	0	\$ 5.6944	\$ -
Total Group Customers Fixed Charges				\$ 4,835,153
Variable Charges	Day/MWH	\$/MWH	Total	
Domestic & Commercial	145,996.287	\$ 63.82	\$ 9,317,483.04	
EIL 20 KVA Low	15,522.817	\$ 103.24	\$ 1,602,575.63	
EIL 8 KVA Low	208.795	\$ 85.17	\$ 17,783.07	
				\$ 10,937,841.73
Individual Line Charge Customers				
ICP Number Non TOU	Annual Fixed Charge			
724187NV-3BD	-\$6,014			
730158NV-F40	-\$1,957			
730262NV-92A	-\$2,266			

ICP Number Non TOU	Annual Fixed Charge		
731881NV-4FA	\$3,367		
734325NV-9C1	\$686		
734326NV-501	\$2,515		
734355NV-C9C	\$6,350		
734360NV-62B	-\$6,007		
734470NV-384	\$2,983		
734846NV-9FF	\$1,380		
735249NV-D8B	\$2,280		
740394NV-B0F	-\$3,849		
743331NV-CBF	\$245		
744586NV-1A1	\$0		
744592NV-A06	\$2,045		
750191NV-4A6	-\$2,095		
800449NV-3FB	-\$23		
880344NV-C87	-\$14,743		
880375NV-73A	\$1,727		
900319NV-09D	\$3,807		
900356NV-DE6	-\$4,778		
900358NV-E7D	\$691		
900390NV-B86	\$4,314		
930505NV-E04	-\$2,545		
930921NV-E57	\$3,772		
931326NV-837	\$3,333		
931746NV-BC6	-\$1,102		
931760NV-71C	\$4,217		
931775NV-0FE	\$5,863		
931776NV-C3E	\$5,365		
934525NV-5D1	\$1,674		
7302304NV-CA2	\$3,111		
7302979NV-CAE	\$0		

ICP Number Non TOU	Annual Fixed Charge			
7344583NV-C71	\$2,533			
7350005NV-3D0	\$747			
7350693NV-BBE	-\$52			
7433294NV-FC6	\$2,254			
7501257NV-2E9	\$1,608			
7501996NV-A4D	-\$2,022			
8305375NV-D2C	-\$591			
8541431NV-DF3	\$3,397			
8665382NV-F7A	-\$4,553			
8665408NV-7A3	\$3,596			
8803601NV-E7B	-\$13,326			
8803767NV-900	-\$995			
9003243NV-D92	-\$10,292			
9003573NV-568	\$672			
9003995NV-251	-\$3,534			
82029943NV-B5B	\$5,519			
Total Non Half Hour Individual Fixed Charge				\$ (694.49)

Half Hour Metered Individual	Units	Fixed	Units	Variable	Units	Fixed	Units	Variable	Fixed	Variable	Total
7205085NV-6A2	No ICPs	1	Annual Day MWh	128.41	\$/annum	\$3,056	\$/MWh	\$24.79	\$3,056.41	\$3,183.38	\$ 6,239.79
721862NV-A61	No ICPs	1	Annual Day MWh	263.76	\$/annum	\$5,457	\$/MWh	\$20.31	\$5,456.51	\$5,356.91	\$ 10,813.42
721876NV-1C6	No ICPs	1	Annual Day MWh	85.36	\$/annum	\$3,876	\$/MWh	\$47.12	\$3,875.50	\$4,022.23	\$ 7,897.73
7227011NV-2C2	No ICPs	1	Annual Day MWh	205.91	\$/annum	\$8,797	\$/MWh	\$52.75	\$8,797.17	\$10,861.67	\$ 19,658.84
722703NV-43B	No ICPs	1	Annual Day MWh	155.44	\$/annum	\$6,284	\$/MWh	\$27.52	\$6,284.49	\$4,277.68	\$ 10,562.17
722709NV-6AA	No ICPs	1	Annual Day MWh	12.73	\$/annum	\$1,842	\$/MWh	\$119.15	\$1,842.26	\$1,516.34	\$ 3,358.60
7229001NV-0AF	No ICPs	1	Annual Day MWh	82.62	\$/annum	\$3,065	\$/MWh	\$37.99	\$3,065.09	\$3,138.35	\$ 6,203.44
724179NV-031	No ICPs	1	Annual Day MWh	30.09	\$/annum	\$1,770	\$/MWh	\$64.43	\$1,769.81	\$1,938.75	\$ 3,708.56
7301102NV-5CA	No ICPs	1	Annual Day MWh	2.03	\$/annum	\$1,059	\$/MWh	\$714.10	\$1,059.45	\$1,446.75	\$ 2,506.20
7301164NV-BB5	No ICPs	1	Annual Day MWh	210.66	\$/annum	\$4,297	\$/MWh	\$21.36	\$4,297.28	\$4,499.79	\$ 8,797.07
73015753NV-A0E	No ICPs	1	Annual Day MWh	238.81	\$/annum	\$4,632	\$/MWh	\$19.77	\$4,632.09	\$4,721.29	\$ 9,353.38
7301908NV-756	No ICPs	1	Annual Day MWh	208.07	\$/annum	\$4,113	\$/MWh	\$20.70	\$4,112.98	\$4,307.01	\$ 8,419.99
7301973NV-CDF	No ICPs	1	Annual Day MWh	199.49	\$/annum	\$4,060	\$/MWh	\$22.35	\$4,059.70	\$4,458.55	\$ 8,518.25
7302313NV-BC5	No ICPs	1	Annual Day MWh	34.30	\$/annum	\$1,854	\$/MWh	\$55.23	\$1,853.68	\$1,894.51	\$ 3,748.19
7302953NV-36A	No ICPs	1	Annual Day MWh	201.83	\$/annum	\$6,299	\$/MWh	\$31.29	\$6,298.50	\$6,315.34	\$ 12,613.84
7317032NV-617	No ICPs	1	Annual Day MWh	259.22	\$/annum	\$8,351	\$/MWh	\$31.45	\$8,351.11	\$8,152.59	\$ 16,503.70
733399NV-C0D	No ICPs	1	Annual Day MWh	110.31	\$/annum	\$3,392	\$/MWh	\$30.56	\$3,391.58	\$3,371.01	\$ 6,762.59
734110NV-971	No ICPs	1	Annual Day MWh	293.38	\$/annum	\$8,474	\$/MWh	\$28.52	\$8,473.61	\$8,367.30	\$ 16,840.91
7341266NV-3A6	No ICPs	1	Annual Day MWh	104.32	\$/annum	\$2,977	\$/MWh	\$31.68	\$2,976.52	\$3,304.96	\$ 6,281.48
7341272NV-801	No ICPs	1	Annual Day MWh	137.20	\$/annum	\$3,879	\$/MWh	\$30.67	\$3,879.23	\$4,207.87	\$ 8,087.10
7341276NV-90B	No ICPs	1	Annual Day MWh	179.93	\$/annum	\$4,725	\$/MWh	\$27.96	\$4,724.69	\$5,030.95	\$ 9,755.64
734165NV-163	No ICPs	1	Annual Day MWh	961.48	\$/annum	\$23,809	\$/MWh	\$25.58	\$23,808.73	\$24,594.63	\$ 48,403.36
7341792NV-7BE	No ICPs	1	Annual Day MWh	201.78	\$/annum	\$5,005	\$/MWh	\$21.62	\$5,004.53	\$4,362.47	\$ 9,367.00
7341793NV-BFB	No ICPs	1	Annual Day MWh	146.15	\$/annum	\$3,918	\$/MWh	\$27.05	\$3,917.82	\$3,953.44	\$ 7,871.26
734188NV-482	No ICPs	1	Annual Day MWh	801.11	\$/annum	\$15,049	\$/MWh	\$18.74	\$15,049.00	\$15,012.82	\$ 30,061.82
734318NV-162	No ICPs	1	Annual Day MWh	188.85	\$/annum	\$5,707	\$/MWh	\$37.22	\$5,706.70	\$7,029.10	\$ 12,735.80
734460NV-929	No ICPs	1	Annual Day MWh	296.89	\$/annum	\$7,705	\$/MWh	\$25.35	\$7,705.35	\$7,526.15	\$ 15,231.50
734802NV-A50	No ICPs	1	Annual Day MWh	167.69	\$/annum	\$5,580	\$/MWh	\$34.74	\$5,580.39	\$5,825.68	\$ 11,406.07
7403085NV-205	No ICPs	1	Annual Day MWh	277.90	\$/annum	\$6,977	\$/MWh	\$26.27	\$6,976.74	\$7,300.32	\$ 14,277.06
740373NV-C7F	No ICPs	1	Annual Day MWh	167.53	\$/annum	\$6,369	\$/MWh	\$36.52	\$6,368.53	\$6,118.05	\$ 12,486.58

Half Hour Metered Individual	Units	Fixed	Units	Variable	Units	Fixed	Units	Variable	Fixed	Variable	Total
740385NV-DE7	No ICPs	1	Annual Day MWh	332.78	\$/annum	\$8,201	\$/MWh	\$23.30	\$8,200.93	\$7,753.69	\$ 15,954.62
740630NV-71F	No ICPs	1	Annual Day MWh	220.09	\$/annum	\$7,299	\$/MWh	\$32.04	\$7,299.34	\$7,051.64	\$ 14,350.98
740649NV-C13	No ICPs	1	Annual Day MWh	108.79	\$/annum	\$3,649	\$/MWh	\$35.03	\$3,649.07	\$3,810.93	\$ 7,460.00
7406951NV-064	No ICPs	1	Annual Day MWh	80.34	\$/annum	\$2,178	\$/MWh	\$30.96	\$2,177.89	\$2,487.21	\$ 4,665.10
7433292NV-E49	No ICPs	1	Annual Day MWh	432.25	\$/annum	\$14,210	\$/MWh	\$32.62	\$14,210.00	\$14,100.09	\$ 28,310.09
744103NV-5A5	No ICPs	1	Annual Day MWh	848.13	\$/annum	\$21,101	\$/MWh	\$31.49	\$21,100.56	\$26,707.64	\$ 47,808.20
744608NV-473	No ICPs	1	Annual Day MWh	426.27	\$/annum	\$10,363	\$/MWh	\$27.34	\$10,362.51	\$11,654.21	\$ 22,016.72
744611NV-08F	No ICPs	1	Annual Day MWh	248.72	\$/annum	\$8,350	\$/MWh	\$33.93	\$8,350.16	\$8,439.03	\$ 16,789.19
744655NV-320	No ICPs	1	Annual Day MWh	237.11	\$/annum	\$6,129	\$/MWh	\$26.10	\$6,129.06	\$6,188.63	\$ 12,317.69
7447181NV-71E	No ICPs	1	Annual Day MWh	95.62	\$/annum	\$2,608	\$/MWh	\$29.10	\$2,607.93	\$2,782.43	\$ 5,390.36
7447592NV-D72	No ICPs	1	Annual Day MWh	62.70	\$/annum	\$380	\$/MWh	\$63.82	\$379.60	\$4,001.79	\$ 4,381.39
754696NV-OEE	No ICPs	1	Annual Day MWh	233.68	\$/annum	\$5,872	\$/MWh	\$25.49	\$5,871.88	\$5,956.61	\$ 11,828.49
7551948NV-7E0	No ICPs	1	Annual Day MWh	316.64	\$/annum	\$10,084	\$/MWh	\$30.50	\$10,083.58	\$9,657.56	\$ 19,741.14
760735NV-A99	No ICPs	1	Annual Day MWh	109.20	\$/annum	\$4,298	\$/MWh	\$39.09	\$4,297.87	\$4,268.45	\$ 8,566.32
760737NV-A1C	No ICPs	1	Annual Day MWh	392.32	\$/annum	\$13,575	\$/MWh	\$36.86	\$13,574.93	\$14,461.05	\$ 28,035.98
7757907NV-783	No ICPs	1	Annual Day MWh	465.78	\$/annum	\$15,283	\$/MWh	\$29.39	\$15,283.21	\$13,689.30	\$ 28,972.51
7757994NV-4A4	No ICPs	1	Annual Day MWh	169.16	\$/annum	\$6,366	\$/MWh	\$37.09	\$6,365.76	\$6,273.99	\$ 12,639.75
810201NV-DAD	No ICPs	1	Annual Day MWh	78.06	\$/annum	\$3,446	\$/MWh	\$42.97	\$3,446.29	\$3,354.02	\$ 6,800.31
8102959NV-5D5	No ICPs	1	Annual Day MWh	410.68	\$/annum	\$11,169	\$/MWh	\$27.63	\$11,169.05	\$11,346.99	\$ 22,516.04
8144266NV-0A8	No ICPs	1	Annual Day MWh	295.46	\$/annum	\$6,836	\$/MWh	\$26.37	\$6,836.29	\$7,791.25	\$ 14,627.54
825292NV-886	No ICPs	1	Annual Day MWh	493.57	\$/annum	\$15,510	\$/MWh	\$27.41	\$15,510.36	\$13,528.72	\$ 29,039.08
8305967NV-D0E	No ICPs	1	Annual Day MWh	159.23	\$/annum	\$12,203	\$/MWh	\$94.29	\$12,203.40	\$15,013.38	\$ 27,216.78
8305981NV-63B	No ICPs	1	Annual Day MWh	567.08	\$/annum	\$18,726	\$/MWh	\$33.53	\$18,725.99	\$19,014.30	\$ 37,740.29
831121NV-B96	No ICPs	1	Annual Day MWh	87.35	\$/annum	\$4,276	\$/MWh	\$52.59	\$4,275.88	\$4,593.88	\$ 8,869.76
832431NV-6DE	No ICPs	1	Annual Day MWh	172.36	\$/annum	\$14,379	\$/MWh	\$80.48	\$14,378.70	\$13,871.43	\$ 28,250.13
835083NV-C88	No ICPs	1	Annual Day MWh	36.01	\$/annum	\$4,095	\$/MWh	\$123.57	\$4,095.03	\$4,449.53	\$ 8,544.56
8365737NV-155	No ICPs	1	Annual Day MWh	440.31	\$/annum	\$15,628	\$/MWh	\$35.54	\$15,628.08	\$15,648.47	\$ 31,276.55
8425758NV-FE5	No ICPs	1	Annual Day MWh	341.11	\$/annum	\$7,348	\$/MWh	\$20.46	\$7,348.13	\$6,979.19	\$ 14,327.32
8509006NV-D55	No ICPs	1	Annual Day MWh	234.38	\$/annum	\$5,143	\$/MWh	\$22.44	\$5,142.64	\$5,259.38	\$ 10,402.02
8509025NV-CC0	No ICPs	1	Annual Day MWh	679.61	\$/annum	\$14,850	\$/MWh	\$21.34	\$14,850.11	\$14,502.85	\$ 29,352.96

Half Hour Metered Individual	Units	Fixed	Units	Variable	Units	Fixed	Units	Variable	Fixed	Variable	Total
8509026NV-000	No ICPs	1	Annual Day MWh	510.33	\$/annum	\$12,661	\$/MWh	\$25.01	\$12,661.37	\$12,763.40	\$ 25,424.77
850908NV-B67	No ICPs	1	Annual Day MWh	1504.26	\$/annum	\$30,501	\$/MWh	\$20.48	\$30,500.56	\$30,807.27	\$ 61,307.83
850948NV-9C2	No ICPs	1	Annual Day MWh	62.10	\$/annum	\$1,448	\$/MWh	\$23.93	\$1,448.43	\$1,486.17	\$ 2,934.60
8509962NV-AA6	No ICPs	1	Annual Day MWh	58.98	\$/annum	\$1,812	\$/MWh	\$26.93	\$1,811.53	\$1,588.29	\$ 3,399.82
8548111NV-903	No ICPs	1	Annual Day MWh	137.97	\$/annum	\$3,871	\$/MWh	\$28.68	\$3,870.90	\$3,956.95	\$ 7,827.85
8665558NV-6AF	No ICPs	1	Annual Day MWh	141.65	\$/annum	\$5,019	\$/MWh	\$31.69	\$5,018.74	\$4,488.93	\$ 9,507.67
880302NV-FAD	No ICPs	1	Annual Day MWh	312.07	\$/annum	\$5,555	\$/MWh	\$18.24	\$5,555.26	\$5,692.22	\$ 11,247.48
8803031NV-F85	No ICPs	1	Annual Day MWh	433.47	\$/annum	\$7,957	\$/MWh	\$18.48	\$7,957.20	\$8,010.55	\$ 15,967.75
8803032NV-345	No ICPs	1	Annual Day MWh	160.09	\$/annum	\$4,828	\$/MWh	\$32.10	\$4,828.09	\$5,138.93	\$ 9,967.02
8803047NV-B57	No ICPs	1	Annual Day MWh	102.57	\$/annum	\$3,452	\$/MWh	\$37.22	\$3,451.58	\$3,817.69	\$ 7,269.27
880308NV-D3C	No ICPs	1	Annual Day MWh	209.10	\$/annum	\$4,208	\$/MWh	\$19.36	\$4,208.35	\$4,048.13	\$ 8,256.48
880309NV-179	No ICPs	1	Annual Day MWh	342.25	\$/annum	\$8,413	\$/MWh	\$24.22	\$8,412.51	\$8,289.21	\$ 16,701.72
880314NV-48F	No ICPs	1	Annual Day MWh	213.59	\$/annum	\$5,706	\$/MWh	\$28.66	\$5,706.21	\$6,121.61	\$ 11,827.82
8803164NV-3C6	No ICPs	1	Annual Day MWh	185.55	\$/annum	\$4,682	\$/MWh	\$25.30	\$4,682.08	\$4,694.29	\$ 9,376.37
8803165NV-F83	No ICPs	1	Annual Day MWh	117.50	\$/annum	\$2,928	\$/MWh	\$24.94	\$2,927.94	\$2,930.52	\$ 5,858.46
880316NV-40A	No ICPs	1	Annual Day MWh	180.56	\$/annum	\$6,909	\$/MWh	\$34.89	\$6,909.46	\$6,299.74	\$ 13,209.20
880317NV-84F	No ICPs	1	Annual Day MWh	75.97	\$/annum	\$4,852	\$/MWh	\$59.75	\$4,851.60	\$4,539.07	\$ 9,390.67
880321NV-E38	No ICPs	1	Annual Day MWh	328.37	\$/annum	\$6,470	\$/MWh	\$19.68	\$6,469.65	\$6,462.39	\$ 12,932.04
880323NV-EBD	No ICPs	1	Annual Day MWh	204.12	\$/annum	\$5,019	\$/MWh	\$20.68	\$5,019.39	\$4,221.13	\$ 9,240.52
880327NV-FB7	No ICPs	1	Annual Day MWh	994.38	\$/annum	\$17,289	\$/MWh	\$19.32	\$17,289.37	\$19,211.42	\$ 36,500.79
8803283NV-7B5	No ICPs	1	Annual Day MWh	410.14	\$/annum	\$9,627	\$/MWh	\$24.68	\$9,627.03	\$10,122.20	\$ 19,749.23
8803298NV-3CC	No ICPs	1	Annual Day MWh	542.21	\$/annum	\$17,491	\$/MWh	\$33.70	\$17,491.46	\$18,272.64	\$ 35,764.10
880329NV-C2C	No ICPs	1	Annual Day MWh	1932.10	\$/annum	\$50,323	\$/MWh	\$25.57	\$50,322.78	\$49,403.81	\$ 99,726.59
880336NV-95F	No ICPs	1	Annual Day MWh	583.54	\$/annum	\$15,100	\$/MWh	\$16.79	\$15,099.81	\$9,797.61	\$ 24,897.42
880361NV-C9D	No ICPs	1	Annual Day MWh	1091.61	\$/annum	\$22,378	\$/MWh	\$20.38	\$22,377.55	\$22,247.02	\$ 44,624.57
8803625NV-224	No ICPs	1	Annual Day MWh	158.11	\$/annum	\$5,997	\$/MWh	\$17.39	\$5,997.11	\$2,749.50	\$ 8,746.61
880363NV-C18	No ICPs	1	Annual Day MWh	191.93	\$/annum	\$4,807	\$/MWh	\$25.67	\$4,807.30	\$4,926.94	\$ 9,734.24
880397NV-D05	No ICPs	1	Annual Day MWh	521.78	\$/annum	\$25,232	\$/MWh	\$43.38	\$25,232.21	\$22,634.76	\$ 47,866.97
880398NV-2DB	No ICPs	1	Annual Day MWh	94.64	\$/annum	\$6,449	\$/MWh	\$60.22	\$6,449.33	\$5,698.97	\$ 12,148.30
9003051NV-DBD	No ICPs	1	Annual Day MWh	710.49	\$/annum	\$16,141	\$/MWh	\$23.04	\$16,140.56	\$16,369.70	\$ 32,510.26

Half Hour Metered Individual	Units	Fixed	Units	Variable	Units	Fixed	Units	Variable	Fixed	Variable	Total
9003053NV-D38	No ICPs	1	Annual Day MWh	470.37	\$/annum	\$10,552	\$/MWh	\$28.96	\$10,551.56	\$13,621.83	\$ 24,173.39
900305NV-92E	No ICPs	1	Annual Day MWh	355.99	\$/annum	\$15,218	\$/MWh	\$41.70	\$15,217.61	\$14,844.79	\$ 30,062.40
900306NV-5EE	No ICPs	1	Annual Day MWh	291.98	\$/annum	\$13,616	\$/MWh	\$53.34	\$13,615.61	\$15,574.44	\$ 29,190.05
9003071NV-0E8	No ICPs	1	Annual Day MWh	1058.79	\$/annum	\$19,653	\$/MWh	\$18.59	\$19,653.49	\$19,682.85	\$ 39,336.34
90030815NV-060	No ICPs	1	Annual Day MWh	156.88	\$/annum	\$7,252	\$/MWh	\$38.49	\$7,252.30	\$6,038.20	\$ 13,290.50
9003081NV-OFF	No ICPs	1	Annual Day MWh	316.84	\$/annum	\$8,870	\$/MWh	\$28.62	\$8,869.61	\$9,067.97	\$ 17,937.58
9003082NV-C3F	No ICPs	1	Annual Day MWh	218.27	\$/annum	\$5,868	\$/MWh	\$29.19	\$5,868.42	\$6,371.16	\$ 12,239.58
9003083NV-07A	No ICPs	1	Annual Day MWh	673.43	\$/annum	\$16,918	\$/MWh	\$24.40	\$16,917.71	\$16,431.59	\$ 33,349.30
900308NV-675	No ICPs	1	Annual Day MWh	770.25	\$/annum	\$29,155	\$/MWh	\$37.21	\$29,154.76	\$28,660.88	\$ 57,815.64
9003114NV-B53	No ICPs	1	Annual Day MWh	61.71	\$/annum	\$1,912	\$/MWh	\$27.21	\$1,912.48	\$1,679.06	\$ 3,591.54
9003117NV-793	No ICPs	1	Annual Day MWh	613.85	\$/annum	\$15,279	\$/MWh	\$21.56	\$15,279.49	\$13,234.55	\$ 28,514.04
900313NV-20C	No ICPs	1	Annual Day MWh	436.08	\$/annum	\$9,628	\$/MWh	\$23.79	\$9,627.98	\$10,374.37	\$ 20,002.35
9003143NV-E91	No ICPs	1	Annual Day MWh	130.03	\$/annum	\$4,032	\$/MWh	\$28.20	\$4,031.69	\$3,666.95	\$ 7,698.64
9003212NV-9DF	No ICPs	1	Annual Day MWh	140.10	\$/annum	\$3,044	\$/MWh	\$21.64	\$3,044.06	\$3,031.86	\$ 6,075.92
9003235NV-940	No ICPs	1	Annual Day MWh	927.21	\$/annum	\$22,871	\$/MWh	\$25.79	\$22,870.68	\$23,912.72	\$ 46,783.40
9003244NV-058	No ICPs	1	Annual Day MWh	578.65	\$/annum	\$11,487	\$/MWh	\$20.51	\$11,486.87	\$11,868.08	\$ 23,354.95
900325NV-47B	No ICPs	1	Annual Day MWh	1861.67	\$/annum	\$34,975	\$/MWh	\$18.46	\$34,975.20	\$34,366.45	\$ 69,341.65
900327NV-4FE	No ICPs	1	Annual Day MWh	122.58	\$/annum	\$2,882	\$/MWh	\$20.63	\$2,881.57	\$2,528.88	\$ 5,410.45
900330NV-399	No ICPs	1	Annual Day MWh	1557.68	\$/annum	\$30,687	\$/MWh	\$19.07	\$30,686.58	\$29,704.97	\$ 60,391.55
9003385NV-2F6	No ICPs	1	Annual Day MWh	248.09	\$/annum	\$5,527	\$/MWh	\$21.91	\$5,527.13	\$5,435.70	\$ 10,962.83
900342NV-641	No ICPs	1	Annual Day MWh	240.98	\$/annum	\$5,681	\$/MWh	\$25.38	\$5,680.88	\$6,116.19	\$ 11,797.07
9003503NV-035	No ICPs	1	Annual Day MWh	175.66	\$/annum	\$5,982	\$/MWh	\$39.14	\$5,982.45	\$6,875.34	\$ 12,857.79
900350NV-C69	No ICPs	1	Annual Day MWh	150.09	\$/annum	\$3,959	\$/MWh	\$26.74	\$3,958.95	\$4,013.36	\$ 7,972.31
900351NV-02C	No ICPs	1	Annual Day MWh	577.80	\$/annum	\$10,377	\$/MWh	\$17.80	\$10,377.13	\$10,284.88	\$ 20,662.01
9003603NV-336	No ICPs	1	Annual Day MWh	639.33	\$/annum	\$15,016	\$/MWh	\$23.71	\$15,016.06	\$15,158.60	\$ 30,174.66
900383NV-DEB	No ICPs	1	Annual Day MWh	171.30	\$/annum	\$8,843	\$/MWh	\$53.35	\$8,843.23	\$9,139.09	\$ 17,982.32
900384NV-021	No ICPs	1	Annual Day MWh	1058.74	\$/annum	\$23,996	\$/MWh	\$23.33	\$23,995.63	\$24,700.49	\$ 48,696.12
920755NV-4EA	No ICPs	1	Annual Day MWh	333.22	\$/annum	\$8,123	\$/MWh	\$25.45	\$8,122.89	\$8,480.38	\$ 16,603.27
930503NV-F8B	No ICPs	1	Annual Day MWh	61.41	\$/annum	\$2,722	\$/MWh	\$32.69	\$2,721.57	\$2,007.52	\$ 4,729.09
931704NV-9E6	No ICPs	1	Annual Day MWh	43.92	\$/annum	\$3,362	\$/MWh	\$79.15	\$3,362.42	\$3,476.33	\$ 6,838.75

Half Hour Metered Individual	Units	Fixed	Units	Variable	Units	Fixed	Units	Variable	Fixed	Variable	Total
931749NV-418	No ICPs	1	Annual Day MWh	287.19	\$/annum	\$9,352	\$/MWh	\$33.11	\$9,351.93	\$9,508.77	\$ 18,860.70
931777NV-07B	No ICPs	1	Annual Day MWh	1671.91	\$/annum	\$40,640	\$/MWh	\$22.18	\$40,640.21	\$37,083.07	\$ 77,723.28
933534NV-759	No ICPs	1	Annual Day MWh	278.44	\$/annum	\$5,663	\$/MWh	\$24.15	\$5,663.41	\$6,724.42	\$ 12,387.83
9406011NV-187	No ICPs	1	Annual Day MWh	985.21	\$/annum	\$28,346	\$/MWh	\$31.50	\$28,346.02	\$31,034.03	\$ 59,380.05
9406013NV-102	No ICPs	1	Annual Day MWh	560.94	\$/annum	\$18,650	\$/MWh	\$40.73	\$18,650.10	\$22,846.99	\$ 41,497.09
9408016NV-48D	No ICPs	1	Annual Day MWh	4066.65	\$/annum	\$121,387	\$/MWh	\$28.74	\$121,387.16	\$116,875.48	\$ 238,262.64
Total Half Hour Metered Individual											\$ 2,696,526.68
P2014*Q2012											\$ 18,468,827.13

R_{max}

Maximum Notional Revenue at Assessment Date (31 March 2014):

Maximum Notional Revenue is the same as Notional Revenue at the Assessment Date (included in the NR 2014 table above).

Appendix C – Pass Through & Recoverable Costs (Clause 11.3(b - e))

Pass Through Costs for year ending March 2014				
K _{2013/14}	Actual (\$)	Forecast (\$)	Variance (\$)	Variance (%)
Rates on system fixed assets	104,391.36	102,000	2,391	2.3%
Commerce Act levies	36,134.20	27,796	8,338	30.0%
Electricity Authority levies	30,985.00	51,000	(20,015)	(39.2%)
EGCC levies	6,684.12	-	6,684	0.0%
Total Pass Through Costs	178,195	180,796	(2,601)	(1.4%)

Recoverable Costs and Indirect Transmission for year ending March 2014				
V _{2013/14}	Actual (\$)	Forecast (\$)	Variance (\$)	Variance (%)
Transpower transmission charges	4,682,474	4,682,474	0	0.0%
New Investment Contract charges	412,741	412,741	(0)	(0.0%)
System Operator charges	-	-	-	0.0%
Avoided transmission charges - Transpower asset purchase	-	-	-	0.0%
Avoided transmission charges - distributed generation	-	-	-	0.0%
Indirect Transmission Charges	-	-	-	0.0%
Total Recoverable Costs	5,095,215	5,095,215	(0)	(0.0%)

The variance between the forecast and actual amounts for the Commerce Act levies was driven by an increase in the Commission's costs for administering Part 4 and a small increase in Electricity Invercargill's Regulatory Asset Base.

The variance in the forecast amount and actual amount for Electricity Authority levies is due to a decrease in the rate for the Registry & Consumer levy, which decreased from \$0.073 to \$0.0316 per ICP and a high forecast from Electricity Invercargill.

The budget for EGCC levies is accounted for in the Commerce Act levies, therefore there is no separate forecast amount for this.

Appendix D – Restructuring of Prices and Transactions involving Non-Exempt EDBs (Clause 11.3((f) – (g), (j) and(k))

Clauses 11.3 ((f) – (g)) – Electricity Invercargill Limited did not restructure its Prices that applied during the Assessment Period and therefore clauses 8.5 and 8.6 did not apply during the Assessment Period.

Clauses 11.3 ((j) & (k)) Electricity Invercargill Limited did not enter into transactions resulting in an amalgamation or Merger and did not enter into transactions resulting in Consumers being supplied by a different EDB. Clause 10 therefore did not apply for the Assessment Period.

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

Commerce Act (Electricity Distribution Default Price-Quality Path) Determination 2012 Assessment Against the Quality Standards for the Assessment Date 31 March 2014 for Electricity Invercargill Limited

Reliability Data (Before Normalisation)

Year	SAIDI (Interruption Duration)			SAIFI (Interruption Frequency)		
	Class B	Class C	Total	Class B	Class C	Total
2005	2.11	13.28	15.39	0.03	0.25	0.27
2006	0.21	18.87	19.08	-	0.54	0.54
2007	0.32	35.33	35.65	-	1.21	1.21
2008	-	54.78	54.78	-	1.15	1.15
2009	0.01	32.98	32.98	-	0.85	0.85
	Reference Period Total SAIDI		157.88	Reference Period Total SAIFI		4.02
	Reference Period Average SAIDI		31.58	Reference Period Average SAIFI		0.80
2011	6.59	38.18	44.77	0.03	1.15	1.18
2012	10.24	53.40	63.63	0.04	1.25	1.29
2013	8.25	23.54	31.79	0.02	0.31	0.33
2014	9.70	15.40	25.10	0.03	0.49	0.52

Reliability Limit Calculations (using Reference Period Dataset)

SAIDI Boundary Calculations		
α_{SAIDI}	-0.7416	The average of the natural logarithm (ln) of each daily SAIDI Value in the non-zero data set
β_{SAIDI}	1.7791	The standard deviation of the natural logarithm (ln) of each daily SAIDI Value in the non-zero data set
$B_{SAIDI} = e^{(\alpha_{SAIDI} + 2.5 * \beta_{SAIDI})}$	40.6968	SAIDI Boundary Value

SAIFI Boundary Calculations

α_{SAIFI}	-4.3292	The average of the natural logarithm (ln) of each daily SAIFI Value in the non-zero data set
β_{SAIFI}	1.7979	The standard deviation of the natural logarithm (ln) of each daily SAIFI Value in the non-zero data set
$B_{SAIFI} = e^{(\alpha_{SAIFI} + 2.5 * \beta_{SAIFI})}$	1.1800	SAIFI Boundary Value

Event Days exceeding SAIDI Boundary Value within the Reference Dataset

Date	Pre-Normalised SAIDI	Pre-Normalised SAIFI	Normalised SAIDI	Normalised SAIFI
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-
			-	-

SAIDI Limit

μ_{SAIDI}	31.5760	The average annual SAIDI Value in the Normalised Reference Dataset
σ_{SAIDI}	14.0690	The standard deviation of daily SAIDI Values in the Normalised Reference Dataset multiplied by $\sqrt{365}$
$SAIDI_{Limit} = \mu_{SAIDI} + \sigma_{SAIDI}$	45.6450	SAIDI Limit Value

**SAIFI
Limit**

μ_{SAIFI}	0.8047	The average annual SAIFI Value in the Normalised Reference Dataset
σ_{SAIFI}	0.3275	The standard deviation of daily SAIFI Values in the Normalised Reference Dataset multiplied by $\sqrt{365}$
$SAIFI_{Limit} = \mu_{SAIFI} + \sigma_{SAIFI}$	1.1322	SAIFI Limit Value

Reliability Assessment Calculations (2014 Assessment Period)

Event Days exceeding SAIDI Boundary Value within the 2013/14 Assessment Dataset

Date	Pre-Normalised SAIDI	Pre-Normalised SAIFI	Normalised SAIDI	Normalised SAIFI
			-	-
			-	-
			-	-
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**Assessed SAIDI Value
2013/14**

$SAIDI_{2013/14}$	25.10	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**

$SAIFI_{2013/14}$	0.52	The sum of daily SAIFI Values in the 1 April 2013 - 31 March 2014 Normalised Assessment Dataset
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Prior Period Assessed Values

Assessed SAIDI Value 2012/13	
SAIDI _{2012/13}	31.79
The sum of daily SAIDI Values in the 1 April 2012 - 31 March 2013 Normalised Assessment Dataset	

Assessed SAIFI Value 2012/13	
SAIFI _{2012/13}	0.33
The sum of daily SAIFI Values in the 1 April 2012 - 31 March 2013 Normalised Assessment Dataset	

Assessed SAIDI Value 2011/12	
SAIDI _{2011/12}	63.63
The sum of daily SAIDI Values in the 1 April 2011 - 31 March 2012 Normalised Assessment Dataset	

Assessed SAIFI Value 2011/12	
SAIFI _{2011/12}	1.30
The sum of daily SAIFI Values in the 1 April 2011 - 31 March 2012 Normalised Assessment Dataset	

Appendix F – Policies and Procedures for Recording SAIDI and SAIFI (Clause 11.3(i))

Electricity Invercargill Limited 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.

