

Appendix D

Electricity Invercargill Limited
Commerce Act (Electricity Distribution Thresholds) Notice 2004 and Amendment Notice 2006
Quality Inputs and Calculations for the
Assessment Date 31 March 2008

Year	SAIDI (Interruption Duration)			SAIFI (Interruption Frequency)		
	Class B	Class C	Total	Class B	Class C	Total
1999	7.70	43.40	51.10	0.07	1.27	1.34
2000	4.70	29.00	33.70	0.11	0.53	0.64
2001	4.00	31.00	35.00	0.05	1.07	1.12
2002	4.00	32.00	36.00	0.04	1.12	1.16
2003	2.00	19.40	21.40	0.01	0.69	0.70
Five Year Average	4.48	30.96	35.44	0.06	0.94	0.99
2004	4.50	45.10	49.60	0.03	1.25	1.28
2005	2.11	13.28	15.39	0.03	0.25	0.28
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

EXPLANATION OF BREACH OF QUALITY THRESHOLD (SAIDI / SAIFI)

Electricity Invercargill Limited has one of New Zealand's lowest SAIFI targets at 0.99 times and the lowest SAIDI target with an average of 35.4 minutes in the five years to 2003. The Company's comparative performance can be adversely impacted on by any events of significance.

On 23 January 2008 a substation trip occurred that equated to an increase in SAIFI of 0.39 times or 39% of the SAIFI target for the year. This event was sufficient to breach the SAIFI target for the year.

On 23 October 2007 a severe storm, lasting two days, hit the Southland and Otago region which caused two outages on the Electricity Invercargill Limited network. With contractor resources in the region stretched due to the high number of outages, one of the Electricity Invercargill Limited's outages was not remedied for eight hours. This outage contributed 23.78 SAIDI minutes or 67% of the SAIDI target for the year. This event was sufficient to breach the SAIDI target for the year.