

1 **Modify Boiler Protection and Control, p. B-34, \$116,600**

2 Q. Please provide further detail regarding the eight drum level trips that have
3 occurred over the past 5 years, including the dates on which these events
4 occurred and the impact that they had on customers.

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7 A. The following table provides further detail regarding the drum level trips over
8 the last 5 years:

1 Holyrood Underfrequency Drum Level Trips 2001 To 2005:

Date	Time	Unit	Low Frequency	Customer Outage Information				
Sept 19/01	9:59	3	< 58 Hz	Company	MW	Customers	Duration	MW-Min
				NP	27	22,053	Up to 44 min	135
				CBPP	16	1	5 min	80
				ACI (GF)	50	1	~6 min	288
				ACI (SVL)	68	1	44 min	2,292
				NLH Rural	4	2,609	9 min	36
				Total	165	24,665		2,831
Nov 4/01	9:04	1	58.55Hz	Company	MW	Customers	Duration	MW-Min
				NP	15	8,765	7 min	105
				CBPP	15	1	8 min	120
				ACI (GF)	5	1	9 min	45
				ACI (SVL)	12	1	9 min	108
				NLH Rural	3	~2,609	1 min	3
				Total	50	~11,377		381
Sept 3/02	14:49	3	58.53 Hz	Company	MW	Customers	Duration	MW-min
				NP	20	6,193	8 min	160
				CBPP	15	1	5 min	75
				ACI (SVL)	15	1	5 min	75
				Total	50	6,195		310
Nov 27/02	3:08	3	58.6Hz	Company	MW	Customers	Duration	MW-min
				NP	15	6,585	4 min	60
				CBPP	15	1	4 min	60
				ACI (GF)	22	1	4 min	88
				ACI (SVL)	15	1	4 min	60
				Total	67	6,588		268
Jan 30/03	10:30	1	58.7Hz	Company	MW	Customers	Duration	MW-min
				NP	15	N/A	Up to 140 min	285
				ACI (GF)	14	1	5 min	70
				Total	29			355
Jan 30/03	10:52	3	58.4Hz	Company	MW	Customers	Duration	MW-min
				NP	35	9,955	24 min	840
				CBPP	14	1	5 min	70
				ACI (SVL)	15	1	5 min	75
				Total	64	9,957		985
Oct 2/03	15:58	2	58.7 Hz	Company	MW	Customers	Duration	MW-min
				NP	20	2,698	2	40
				ACGRF	8	1	2	16
				Total	28	2,699		56
Oct 7/04	12:33	1	58.5Hz	Company	MW	Customers	Duration	MW-min
				NP	24.3	8,138	4 min	97
				CBPP	15	1	2 min	30
				ACI (GF)	23	1	2 min	46
				NLH Rural	5	4,506	1 min	5
				Total	67.3	12,646		178

- 1 ACI (GF) - Abitibi Consolidated – Grand Falls
- 2 ACI (SVL) - Abitibi Consolidated – Stephenville
- 3 NP - Newfoundland Power
- 4 CBPP - Corner Brook Pulp & Paper
- 5 NLH Rural – Newfoundland and Labrador Hydro rural
- 6 N/A – Not Readily Available