Q. Provide the information contained in Table 4 of Mr. Haynes evidence for each thermal generating unit serving the Island Interconnected System, including the gas turbines.

A. The following table provides individual unit data for both the thermal and combustion turbine units located on the Island interconnected system. Hydro does not maintain these statistics for its diesel based generating plants.

Island Interconnected Generating Sources Equipment Performance (1)

Fossil (Steam) Units

Year	Holyrood Unit 1			Holyrood Unit 2			Holyrood Unit 3		
	DAFOR	ICbF	Fail Rate	DAFOR	ICbF	Fail Rate	DAFOR	ICbF	Fail Rate
1998	6.04%	22.07%	5.57	4.53%	18.30%	1.91	2.65%	35.75%	10.62
1999	3.16%	19.01%	3.64	22.61%	47.09%	6.91	4.81%	24.07%	5.07
2000	3.30%	21.68%	8.4	3.63%	16.61%	6.49	1.29%	22.27%	7.56
2001	5.48%	16.20%	13.35	3.34%	15.53%	6.36	2.55%	32.30%	5.02
2002	6.38%	19.43%	7.6	5.71%	25.77%	10.11	23.27%	36.23%	18.42
NLH 5 Yr Avg	4.87%	19.68%	7.71	7.96%	24.66%	6.36	6.91%	30.12%	9.34
CEA 5 Yr Avg (2) (3)	13.05%	25.87%	9.9	13.05%	25.87%	9.9	13.05%	25.87%	9.9

Combustion Turbine Units

Year	Hardwoods			Stephenville			Holyrood		
	FOR	ICbF	Fail Rate	FOR	ICbF	Fail Rate	FOR	ICbF	Fail Rate
1998	11.21%	0.55%	247.57	76.35%	0.59%	0	46.31%	11.47%	771.81
1999	55.07%	6.82%	558.95	94.84%	37.80%	0	3.47%	1.25%	0
2000	68.48%	11.97%	0	99.43%	51.62%	0	0.00%	5.53%	0
2001	55.04%	1.10%	750.86	84.82%	4.69%	0	7.36%	1.25%	571.93
2002	26.75%	7.31%	0	27.32%	0.74%	3727.66	92.32%	2.70%	1846.37
NLH 5 Yr Avg	43.31%	5.55%	311.48	76.55%	19.09%	745.53	29.89%	4.44%	638.02
CEA 5 Yr Avg (4)(5)	62.32%	8.23%	29.72	62.32%	8.23%	29.72	62.32%	8.23%	29.72

(1) External causes excluded
(2) CEA data available for 1997-2001 only
(3) Cea Data for fossil units - oil-fired only
(4) CEA data for Combustion Turbines with 0-10% operating factor
(5) DAFOR is not available from the CEA for Combustion Turbines therefore Forced Outage Rate (FOR) was substituted

Please note that Hydro does not recommend using FOR and Fail Rate indices for measuring gas turbine performance. The infrequent and variable operating nature of these stand-by sources greatly influences the statistical values from year to year.