

1 Q. (a) Provide the capacity factors for each year for the time period 1992 to  
 2 2000 and forecasts for 2001 and 2002 on each of Hydro's hydraulic and  
 3 thermal plants (including gas turbines and diesels) on the Island (in the  
 4 format of Exhibit JAB-1, page 93 of 94, Schedule 4.3).

5  
 6 (b) Provide the island interconnected system capacity factor for each of  
 7 these years.

8  
 9  
 10 A. (a) The net capacity factors for all Island Interconnected System  
 11 generating plants are provided on the attached sheets. Data from a  
 12 plant for the year it was connected to the system was excluded from  
 13 the total.

14  
 15 (b) The Island Interconnected System capacity factors are in the following  
 16 table. Data from a plant for the year it was connected to the system  
 17 was excluded from the total.

<b>Island Interconnected System NET</b>				
Year	Net Production (kWh)	Net Capacity (MW)	Net Production Hours	Net Capacity Factor
1992	5,926,373,147	1,464	8,784	46.09%
1993	5,998,219,216	1,466	8,760	46.71%
1994	5,821,774,061	1,470	8,760	45.21%
1995	5,926,288,933	1,474	8,760	45.90%
1996	5,977,960,323	1,476	8,784	46.11%
1997	6,160,964,555	1,491	8,760	47.17%
1998	5,526,096,944	1,491	8,760	42.31%
1999	5,722,589,566	1,491	8,760	43.82%
2000	5,986,096,447	1,486	8,784	45.86%
2001 Forecast	6,246,741,110	1,486	8,760	47.99%
2002 Forecast	6,434,088,000	1,486	8,760	49.43%
Average	5,975,199,300	1,480	8,767	46.05%

**Newfoundland & Labrador Hydro  
Capacity Factors**

Line No.	Year	Net Production (kWh)	Net Capacity (MW)	Net Production Hours	Net Capacity Factor
<b>Bay Despair NET</b>					
1	1992	2,613,023,747	580	8,784	51.29%
2	1993	2,814,689,877	582	8,760	55.21%
3	1994	3,282,273,338	586	8,760	63.94%
4	1995	2,587,721,679	590	8,760	50.07%
5	1996	2,785,871,835	592	8,784	53.57%
6	1997	2,845,782,777	592	8,760	54.88%
7	1998	2,609,236,542	592	8,760	50.31%
8	1999	3,088,238,874	592	8,760	59.55%
9	2000	3,115,048,699	592	8,784	59.90%
10	2001 Forecast	2,598,000,000	592	8,760	50.10%
11	2002 Forecast	2,598,000,000	592	8,760	50.10%
12	Average	2,812,535,215	589	8,767	54.44%
<b>Hinds Lake NET</b>					
13	1992	308,069,400	75	8,784	46.76%
14	1993	354,162,600	75	8,760	53.91%
15	1994	459,039,460	75	8,760	69.87%
16	1995	402,552,500	75	8,760	61.27%
17	1996	352,272,400	75	8,784	53.47%
18	1997	407,475,600	75	8,760	62.02%
19	1998	408,690,300	75	8,760	62.21%
20	1999	345,717,400	75	8,760	52.62%
21	2000	387,975,200	75	8,784	58.89%
22	2001 Forecast	340,000,000	75	8,760	51.75%
23	2002 Forecast	340,000,000	75	8,760	51.75%
24	Average	373,268,624	75	8,767	56.77%
<b>Upper Salmon NET</b>					
25	1992	558,649,600	84	8,784	75.71%
26	1993	551,711,100	84	8,760	74.98%
27	1994	658,440,200	84	8,760	89.48%
28	1995	552,100,600	84	8,760	75.03%
29	1996	597,657,300	84	8,784	81.00%
30	1997	599,077,900	84	8,760	81.41%
31	1998	553,898,400	84	8,760	75.27%
32	1999	649,086,200	84	8,760	88.21%
33	2000	636,938,500	84	8,784	86.32%
34	2001 Forecast	552,000,000	84	8,760	75.02%
35	2002 Forecast	552,000,000	84	8,760	75.02%
36	Average	587,414,527	84	8,767	79.77%

**Newfoundland & Labrador Hydro  
Capacity Factors**

	Year	Net Production (kWh)	Net Capacity (MW)	Net Production Hours	Net Capacity Factor
<b>Cat Arm NET</b>					
37	1992	704,510,400	127	8,784	63.15%
38	1993	666,888,200	127	8,760	59.94%
39	1994	602,861,400	127	8,760	54.19%
40	1995	808,451,400	127	8,760	72.67%
41	1996	793,196,800	127	8,784	71.10%
42	1997	734,915,200	127	8,760	66.06%
43	1998	650,412,900	127	8,760	58.46%
44	1999	674,854,100	127	8,760	60.66%
45	2000	836,766,400	127	8,784	75.01%
46	2001 Forecast	735,000,000	127	8,760	66.07%
47	2002 Forecast	735,000,000	127	8,760	66.07%
48	Average	722,077,891	127	8,767	64.86%
<b>Paradise River NET</b>					
49	1992	30,637,520	8	8,784	43.60%
50	1993	45,086,890	8	8,760	64.34%
51	1994	34,388,570	8	8,760	49.07%
52	1995	35,452,810	8	8,760	50.59%
53	1996	36,885,220	8	8,784	52.49%
54	1997	34,758,580	8	8,760	49.60%
55	1998	32,005,510	8	8,760	45.67%
56	1999	37,971,130	8	8,760	54.18%
57	2000	36,441,220	8	8,784	51.86%
58	2001 Forecast	39,370,000	8	8,760	56.18%
59	2002 Forecast	39,370,000	8	8,760	56.18%
60	Average	36,578,859	8	8,767	52.16%
<b>Snook's Arm</b>					
61	1992	3,865,320	0.56	8,784	78.58%
62	1993	3,571,290	0.56	8,760	72.80%
63	1994	4,016,700	0.56	8,760	81.88%
64	1995	3,567,690	0.56	8,760	72.73%
65	1996	4,394,160	0.56	8,784	89.33%
66	1997	3,868,290	0.56	8,760	78.85%
67	1998	4,033,170	0.56	8,760	82.22%
68	1999	2,981,640	0.56	8,760	60.78%
69	2000	1,661,760	0.56	8,784	33.78%
70	2001 Forecast	3,675,000	0.56	8,760	74.91%
71	2002 Forecast	3,675,000	0.56	8,760	74.91%
72	Average	3,573,638	0.56	8,767	72.79%

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	Year	Net Production (kWh)	Net Capacity (MW)	Net Production Hours	Net Capacity Factor
<b>Venam's Bight</b>					
73	1992	2,827,140	0.36	8,784	89.40%
74	1993	2,921,520	0.36	8,760	92.64%
75	1994	2,564,340	0.36	8,760	81.31%
76	1995	2,571,420	0.36	8,760	81.54%
77	1996	2,921,400	0.36	8,784	92.38%
78	1997	2,816,580	0.36	8,760	89.31%
79	1998	2,900,520	0.36	8,760	91.97%
80	1999	2,592,900	0.36	8,760	82.22%
81	2000	1,151,040	0.36	8,784	36.40%
82	2001 Forecast	2,575,000	0.36	8,760	81.65%
83	2002 Forecast	2,575,000	0.36	8,760	81.65%
84	Average	2,583,351	0.36	8,767	81.86%
<b>Roddickton Mini Hydro NET</b>					
85	1992	N/A			
86	1993	N/A			
87	1994	N/A			
88	1995	N/A			
89	1996	377,490	0.40	2,928	32.23%
90	1997	804,048	0.40	8,760	22.95%
91	1998	1,348,514	0.40	8,760	38.48%
92	1999	1,111,690	0.40	8,760	31.73%
93	2000	731,940	0.40	8,784	20.83%
94	2001 Forecast	1,050,000	0.40	8,760	29.97%
95	2002 Forecast	1,050,000	0.40	8,760	29.97%
96	Average	1,016,032	0.40	8,764	28.98%
<b>THERMAL Holyrood NET</b>					
97	1992	1,706,212,840	466	8,784	41.68%
98	1993	1,558,883,340	466	8,760	38.19%
99	1994	776,894,400	466	8,760	19.03%
100	1995	1,533,078,080	466	8,760	37.56%
101	1996	1,403,596,120	466	8,784	34.29%
102	1997	1,531,300,920	466	8,760	37.51%
103	1998	1,263,264,060	466	8,760	30.95%
104	1999	919,801,520	466	8,760	22.53%
105	2000	970,283,280	466	8,784	23.70%
106	2001 Forecast	1,971,340,000	466	8,760	48.29%
107	2002 Forecast	2,157,880,000	466	8,760	52.86%
108	Average	1,435,684,960	466.00	8,767	35.14%

N/A: Not Applicable

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	Year	Net Production (kWh)	Net Capacity (MW)	Net Production Hours	Net Capacity Factor
109	<b>Hardwoods GAS TURBINE NET</b>				
110	1992	(1,353,360)	54	8,784	-0.29%
111	1993	(347,061)	54	8,760	-0.07%
112	1994	920,893	54	8,760	0.19%
113	1995	245,812	54	8,760	0.05%
114	1996	286,028	54	8,784	0.06%
115	1997	(44,408)	54	8,760	-0.01%
116	1998	(204,270)	54	8,760	-0.04%
117	1999	(214,544)	54	8,760	-0.05%
118	2000	(662,432)	54	8,784	-0.14%
119	2001 Forecast	1,590,000	54	8,760	0.34%
120	2002 Forecast	2,240,000	54	8,760	0.47%
	Average	223,333	54.00	8,767	0.05%
121	<b>Stephenville GAS TURBINE Net</b>				
122	1992	(476,460)	54	8,784	-0.10%
123	1993	327,360	54	8,760	0.07%
124	1994	(211,440)	54	8,760	-0.04%
125	1995	(177,058)	54	8,760	-0.04%
126	1996	24,060	54	8,784	0.01%
127	1997	(510,480)	54	8,760	-0.11%
128	1998	(598,860)	54	8,760	-0.13%
129	1999	(253,200)	54	8,760	-0.05%
130	2000	(553,460)	54	8,784	-0.12%
131	2001 Forecast	1,200,000	54	8,760	0.25%
132	2002 Forecast	1,200,000	54	8,760	0.25%
	Average	(2,685)	54.00	8,767	0.00%
133	<b>Holyrood GAS TURBINE</b>				
134	1992	215,000	10	8,784	0.24%
135	1993	156,100	10	8,760	0.18%
136	1994	471,000	10	8,760	0.54%
137	1995	124,000	10	8,760	0.14%
138	1996	255,000	10	8,784	0.29%
139	1997	189,000	10	8,760	0.22%
140	1998	248,000	10	8,760	0.28%
141	1999	296,000	10	8,760	0.34%
142	2000	124,000	10	8,784	0.14%
143	2001 Forecast	440,000	10	8,760	0.50%
144	2002 Forecast	750,000	10	8,760	0.86%
	Average	297,100	10.00	8,767	0.34%

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	Year	Net Production (kWh)	Net Capacity (MW)	Net Production Hours	Net Capacity Factor
145	<b>St. Anthony Diesel GROSS</b>				
146	1992	N/A			
147	1993	N/A			
148	1994	N/A			
149	1995	N/A			
150	1996	1,051,700	8.00	2,928	4.49%
151	1997	257,398	8.00	8,760	0.37%
152	1998	395,200	8.00	8,760	0.56%
153	1999	216,000	8.00	8,760	0.31%
154	2000	139,200	8.00	8,784	0.20%
155	2001 Forecast	204,000	8.00	8,760	0.29%
156	2002 Forecast	204,000	8.00	8,760	0.29%
	Average	235,966	8.00	8,764	0.34%
157	<b>Hawkes Bay Diesel GROSS</b>				
158	1992	192,000	5	8,784	0.44%
159	1993	168,000	5	8,760	0.38%
160	1994	115,200	5	8,760	0.26%
161	1995	600,000	5	8,760	1.37%
162	1996	600,000	5	8,784	1.37%
163	1997	129,600	5	8,760	0.30%
164	1998	115,888	5	8,760	0.26%
165	1999	170,056	5	8,760	0.39%
166	2000	51,100	5	8,784	0.12%
167	2001 Forecast	120,000	5	8,760	0.27%
168	2002 Forecast	120,000	5	8,760	0.27%
	Average	216,531	5	8,767	0.49%
169	<b>Roddickton Diesel GROSS</b>				
170	1992	N/A			
171	1993	N/A			
172	1994	N/A			
173	1995	N/A			
174	1996	180,960	2.00	2,928	3.09%
175	1997	66,000	2.00	8,760	0.38%
176	1998	122,400	2.00	8,760	0.70%
177	1999	19,800	2.00	8,760	0.11%
178	2000	0	1.70	8,784	0.00%
179	2001 Forecast	24,000	1.70	8,760	0.16%
180	2002 Forecast	24,000	1.70	8,760	0.16%
	Average	42,700	1.85	8,764	0.26%

N/A: Not Applicable

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<b>Roddickton Woodchip NET</b>					
181	Year	Net Production	Net Capacity	Net Production	Net Capacity
182		(kWh)	(MW)	Hours	Factor
183	1992	N/A			
184	1993	N/A			
185	1994	N/A			
186	1995	N/A			
187	1996	631,860	4.60	2,928	4.69%
188	1997	(437,232)	4.60	8,760	-1.09%
189	1998	(259,852)	4.60	8,760	-0.64%
190	1999	(410,481)	4.60	8,760	-1.02%
	2000				
	Average	(348,542)	4.60	8,760	-0.86%

N/A: Not Applicable