

- 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 A. (a) The net capacity factors for all Island Interconnected System
10 generating plants are provided on the attached sheets. Data from a
11 plant for the year it was connected to the system was excluded from
12 the total.
13
- 14 (b) The Island Interconnected System capacity factors are in the following
15 table. Data from a plant for the year it was connected to the system
16 was excluded from the total.

Island Interconnected System NET				
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	6,160,353,193	1,491	8,760	47.17%
1998	5,525,111,462	1,491	8,760	42.30%
1999	5,721,707,245	1,491	8,760	43.81%
2000	5,985,452,087	1,486	8,784	45.85%
2001 Forecast	6,246,218,812	1,491	8,760	47.84%
2002 Forecast	6,434,088,000	1,486	8,760	49.43%
Average	5,974,867,862	1,480	8,767	46.04%

**Newfoundland & Labrador Hydro
Capacity Factors**

Line No.	1 Year	2 Net Production (kWh)	3 Net Capacity (MW)	4 Net Production Hours	5 Net Capacity Factor
Bay Despoir NET					
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%
Hinds Lake NET					
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%
Upper Salmon NET					
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%

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Cat Arm NET					
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%
Paradise River NET					
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%
Snook's Arm					
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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Venam's Bight						
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%	
Roddickton Mini Hydro NET						
85	1992	0				
86	1993	0				
87	1994	0				
88	1995	0				
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%	
THERMAL Holyrood NET						
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%	

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Hardwoods GAS TURBINE NET					
109	1992	(1,353,360)	54	8,784	-0.29%
110	1993	(347,061)	54	8,760	-0.07%
111	1994	920,893	54	8,760	0.19%
112	1995	245,812	54	8,760	0.05%
113	1996	286,028	54	8,784	0.06%
114	1997	(44,408)	54	8,760	-0.01%
115	1998	(204,270)	54	8,760	-0.04%
116	1999	(214,544)	54	8,760	-0.05%
117	2000	(662,432)	54	8,784	-0.14%
118	2001 Forecast	1,590,000	54	8,760	0.34%
119	2002 Forecast	2,240,000	54	8,760	0.47%
120	Average	223,333	54.00	8,767	0.05%

Stephenville GAS TURBINE Net					
121	1992	(476,460)	54	8,784	-0.10%
122	1993	327,360	54	8,760	0.07%
123	1994	(211,440)	54	8,760	-0.04%
124	1995	(177,058)	54	8,760	-0.04%
125	1996	24,060	54	8,784	0.01%
126	1997	(510,480)	54	8,760	-0.11%
127	1998	(598,860)	54	8,760	-0.13%
128	1999	(253,200)	54	8,760	-0.05%
129	2000	(553,460)	54	8,784	-0.12%
130	2001 Forecast	1,200,000	54	8,760	0.25%
131	2002 Forecast	1,200,000	54	8,760	0.25%
132	Average	(2,685)	54.00	8,767	0.00%

Holyrood GAS TURBINE					
133	1992	215,000	10	8,784	0.24%
134	1993	156,100	10	8,760	0.18%
135	1994	471,000	10	8,760	0.54%
136	1995	124,000	10	8,760	0.14%
137	1996	255,000	10	8,784	0.29%
138	1997	189,000	10	8,760	0.22%
139	1998	248,000	10	8,760	0.28%
140	1999	296,000	10	8,760	0.34%
141	2000	124,000	10	8,784	0.14%
142	2001 Forecast	440,000	10	8,760	0.50%
143	2002 Forecast	750,000	10	8,760	0.86%
144	Average	297,100	10.00	8,767	0.34%

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St. Anthony Diesel NET						
145	1992	0				
146	1993	0				
147	1994	0				
148	1995	0				
149	1996	969,500	8.00	2,928		4.14%
150	1997	(202,202)	8.00	8,760		-0.29%
151	1998	(11,200)	8.00	8,760		-0.02%
152	1999	(180,000)	8.00	8,760		-0.26%
153	2000	(227,600)	8.00	8,784		-0.32%
154	2001 Forecast	204,000	8.00	8,760		0.29%
155	2002 Forecast	204,000	8.00	8,760		0.29%
156	Average	(35,500)	8.00	8,764		-0.05%
Hawkes Bay Diesel NET						
157	1992	192,000	5	8,784		0.44%
158	1993	168,000	5	8,760		0.38%
159	1994	115,200	5	8,760		0.26%
160	1995	600,000	5	8,760		1.37%
161	1996	600,000	5	8,784		1.37%
162	1997	129,600	5	8,760		0.30%
163	1998	115,888	5	8,760		0.26%
164	1999	170,056	5	8,760		0.39%
165	2000	(148,860)	5	8,784		-0.34%
166	2001 Forecast	120,000	5	8,760		0.27%
167	2002 Forecast	120,000	5	8,760		0.27%
168	Average	198,353	5.00	8,767		0.45%
Roddickton Diesel NET						
169	1992	0				
170	1993	0				
171	1994	0				
172	1995	0				
173	1996	129,780	2.00	2,928		2.22%
174	1997	429,020	2.00	8,760		2.45%
175	1998	31,840	2.00	8,760		0.18%
176	1999	(56,040)	2.00	8,760		-0.32%
177	2000	(77,600)	1.70	8,784		-0.52%
178	2001 Forecast	24,000	1.70	8,760		0.16%
179	2002 Forecast	24,000	1.70	8,760		0.16%
180	Average	62,537	1.85	8,764		0.39%

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Roddickton Woodchip NET						
181	1992	0				
182	1993	0				
183	1994	0				
184	1995	0				
185	1996	631,860	4.60	2,928		4.69%
186	1997	(437,232)	4.60	8,760		-1.09%
187	1998	(259,852)	4.60	8,760		-0.64%
188	1999	(410,481)	4.60	8,760		-1.02%
189	2000					
190	Average	(369,188)	4.60	8,760		-0.92%
 Island Interconnected NET						
191	1992	5,926,373,147	1,464	8,784		46.09%
192	1993	5,998,219,216	1,466	8,760		46.71%
193	1994	5,821,774,061	1,470	8,760		45.21%
194	1995	5,926,288,933	1,474	8,760		45.90%
195	1996	5,977,960,323	1,476	8,784		46.11%
196	1997	6,160,353,193	1,491	8,760		47.17%
197	1998	5,525,111,462	1,491	8,760		42.30%
198	1999	5,721,707,245	1,491	8,760		43.81%
199	2000	5,985,452,087	1,486	8,784		45.85%
200	2001 Forecast	6,246,218,812	1,486	8,760		47.98%
201	2002 Forecast	6,434,088,000	1,486	8,760		49.43%
202	Average	5,974,867,862	1,480	8,767		46.05%