

1 Q. Provide the generation reliability indicators Derating Adjusted Forced Outage
2 Rate (DAFOR) and Utilization Forced Outage Probability Percentage
3 (UFOPP) for each generating plant and the Canadian Electricity Association
4 (CEA) composite indices for the period 1992 to 2000.

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6 A. The following tables provide DAFOR information for hydroelectric and
7 thermal-electric generating plants, and UFOP information for combustion
8 turbine plants.

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Plant DAFOR (%) 1992 - 2000

Plant	1992	1993	1994	1995	1996	1997	1998	1999	2000
Bay D'Espoir	0.69	0.48	0.81	0.72	0.81	0.88	1.38	0.68	1.37
Upper Salmon	0.78	0.49	0.85	0.95	0.37	0.10	1.23	1.15	1.23
Hinds Lake	0.87	3.56	3.65	0.74	0.54	0.23	0.54	0.56	0.54
Cat Arm	0.85	0.72	2.35	0.16	0.11	0.24	0.71	0.06	0.70
Paradise River	-	-	1.33	5.44	0.00	4.85	1.87	2.48	1.86
CEA - Hydraulic	2.97	2.94	2.36	2.51	2.64	2.48	2.06	2.34	N/A
Holyrood	27.27	27.66	16.43	19.39	15.11	8.75	4.77	10.11	3.08*
CEA – Fossil (Oil)	11.67	11.39	21.02	19.33	14.75	22.52	6.49	10.44	N/A

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13 **Note:** Starting with 1994, CEA data for Fossil units based upon oil-fired units only.

14 The asterisk (*) mark indicates DAFOR calculated using NLH in-house data, as

15 CEA publications for the specified data item is currently not available.

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Plant UFOP (%) 1992 - 2000

Plant	1992	1993	1994	1995	1996	1997	1998	1999	2000
Holyrood GT	32.27	0.00	7.54	45.07	8.19	2.79	7.46	1.46	0.00
Hardwoods GT	6.30	17.55	27.93	50.31	10.75	14.28	3.92	11.95	20.03
Stephenville GT	1.33	14.71	35.31	9.11	0.02	5.38	10.64	6.20	11.58
Happy Valley GT	N/A	54.14	15.38	32.63	31.51	5.78	31.32	7.54	11.08
CEA – Combustion Turbine	10.94	10.23	13.75	15.55	7.91	11.23	7.44	7.84	N/A

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3 **Note:** CEA data for Combustion Turbine units based upon units with operating
4 factors 0-10%. UFOP data for 2000 based upon NLH in-house data, as CEA
5 publications for 2000 are currently unavailable.