

1 Q. Provide a Table showing (a) the total amount which would have been paid by
 2 the Industrial Customers in 1998, 1999, 2000 and 2001 in the absence of
 3 Order No. P.U. 20 (1997-98), (b) the total amount billed to the Industrial
 4 Customers in those years resulting from the implementation of Order No.
 5 P.U. 20, and (c) the difference between those amounts for each of those
 6 years related only to the implementation of Order No. P.U. 20 (1997-98). (In
 7 the case of the year 2001, an estimate will be satisfactory).

8
 9 A. Total amount billed to the Industrial Customers (Excludes RSP, HST, and
 10 Interest on Overdue amounts):

<u>Year</u>	<u>Including the effect of Order No. P.U.20 (1997-98)</u>	<u>Excluding the effect of Order No. P.U.20 (1997-98)</u>	<u>Difference</u>
1998	\$36,269,044	\$36,449,213	(\$180,169)
1999	\$43,453,323	\$43,792,817	(\$339,494)
2000	\$40,275,587	\$40,636,683	(\$361,096)
Forecast 2001	\$41,871,815	\$42,262,373	(\$390,558)

1 Q. Provide a table showing the net balance in the RSP for each of Hydro's
 2 classes of customers as of December 31 and June 30 in each of 1992, 1993,
 3 1994, 1995, 1996, 1997, 1998, 1999 and 2000.

4

5 A. The following table provides the balance in the RSP split between the Retail
 6 and Industrial Customers which are the only 2 classes of customers in the
 7 RSP.

8

9

			Retail	Industrial
10	June	1992	(3,149)	1,958
11	December	1992	593	3,505
12	June	1993	2,313	4,845
13	December	1993	3,825	5,636
14	June	1994	(3,734)	2,953
15	December	1994	(5,610)	1,575
16	June	1995	4,066	4,776
17	December	1995	6,900	6,016
18	June	1996	17,468	8,213
19	December	1996	21,002	9,160
20	June	1997	26,606	12,967
21	December	1997	27,644	13,734
22	June	1998	33,547	16,201
23	December	1998	33,009	15,776
24	June	1999	29,472	14,201
25	December	1999	21,436	12,892
26	June	2000	19,926	13,630
27	December	2000	22,684	12,918

1 Q. If there is a positive balance in the RSP, is the money held in the RSP
2 invested by Hydro? If so, what was the rate of return of the investment for
3 each of 1992, 1993, 1994, 1995 1996, 1997, 1998, 1999 and 2000 and
4 where were the funds invested in those years?

5

6 A. The RSP transactions are part of Hydro's overall debt structure. Interest is
7 collected or charged to the plan monthly at Hydro's embedded cost of debt
8 rate as shown in NP-47.

- 1 Q. What amount of interest was credited to the RSP in each of the years 1992 -
2 2000 inclusive?
3
4 A. Please see response to IC-73.

- 1 Q. Does Hydro charge a management fee of any sort to administer the RSP? If
2 so, how is it calculated and what was charged to each class of customers for
3 each of the years 1992-2000, inclusive?
4
- 5 A. Hydro does not charge a management fee of any sort to administer the RSP.

- 1 Q. If there is a negative balance in the RSP, is interest charged to the RSP? If
2 so, what was the rate of interest charged the RSP in the years 1992 - 2000,
3 inclusive and to whom was such interest paid?
4
- 5 A. Please see response to IC-11.

1 Q. Explain why it has taken 8 years for Hydro to apply to the Public Utilities
2 Board to implement the Cost of Service Methodology approved by the Board
3 in 1993, given the power policy of the Province set out in Section 3(a)(i) of
4 the Electrical Power Contract Act, 1994 providing that the rates charged
5 “should be reasonable and not unjustly discriminating.”
6
7

8 A. The Public Utilities Board in 1993 approved the Cost of Service Methodology
9 for implementation at Hydro’s next rate application. Since that time, Hydro,
10 from a financial perspective, has not had a requirement to request approval
11 from the Public Utilities Board, for an alteration in rates that it charges its
12 customers.

- 1 Q. Provide the average cost per kilowatt hour charged to each of the Industrial
2 Customers inclusive of RSP contributions in 1992, 1995, 1998, 1999 and
3 2000, the forecast average cost per kilowatt hour for each Industrial
4 Customer in 2001 and the forecast average cost per kilowatt hour for each
5 Industrial Customer for 2002.
6
7
8 A. See the attached table.

Newfoundland and Labrador Hydro
Average Cost per kW.h - Including RSP

Year	Corner Brook Pulp & Paper	Deer Lake Power	Albright & Wilson	Abitibi Price - Stephenville	Abitibi Price - Grand Falls	Newfoundland Processing / North Atlantic Refining	Royal Oak Mines	Hope Brook Gold
1992	\$0.03688	\$0.03343	\$0.04247	\$0.03822	\$0.04101	\$0.04323	\$0.04428	\$0.08993
1995	\$0.03834	\$0.03414	\$0.22970	\$0.03627	\$0.03421	\$0.03878	\$0.03999	N/A
1998	\$0.03879	\$0.03603	N/A	\$0.03844	\$0.04467	\$0.04259	N/A	N/A
1999	\$0.04237	\$0.04344	N/A	\$0.03874	\$0.04382	\$0.04134	N/A	N/A
2000	\$0.03506	\$0.04022	N/A	\$0.03373	\$0.03708	\$0.03630	N/A	N/A
Forecast - 2001	\$0.03352	\$0.03281	N/A	\$0.03334	\$0.03545	\$0.03480	N/A	N/A
Forecast - 2002	\$0.03956	\$0.03868	N/A	\$0.03919	\$0.04206	\$0.04013	N/A	N/A

1 Q. Provide the average cost in U.S. dollars of No. 6 fuel in each of the years
2 1992 - 2001, inclusive.

3

4

5 A. Please refer to the following table:

6

Year	\$(US)/bbl	Exchange Rate	\$(CDN)/bbl
1992	11.6930	1.2223	14.292
1993	11.5259	1.2819	14.775
1994	12.1092	1.3642	16.519
1995	15.0090	1.3846	20.781
1996	17.0118	1.3589	23.117
1997	15.7226	1.3918	21.883
1998	11.5328	1.4392	16.598
1999	14.8298	1.4764	21.895
2000	23.3785	1.4987	35.037
2001 to June	20.0859	1.5368	30.868

7

- 1 Q. Provide the average exchange rate used to convert No. 6 fuel costs to
2 Canadian dollars in each of the years 1992-2001, inclusive.
3
4
5 A. Please refer the response to IC-22.

1 Q. Provide a Table showing the total volume of No. 6 fuel purchased in each of
2 the years 1992 - 2001 inclusive, and projected for the years 2002 to 2005
3 inclusive, the total amount (or projected to be used) in each of those years,
4 the total cost in Canadian dollars of the fuel purchased (or projected to be
5 purchased) in each of those years, the total number of kilowatt hours
6 generated (or projected to be generated) by each unit at the plant utilizing
7 No. 6 fuel in each of those years, the amount of No. 6 fuel used (or projected
8 to be used) in each of those years by each unit, and the average fuel cost
9 per kWh based on No. 6 fuel actually consumed (or projected to be
10 consumed) in that year.

11

12

13 A. The attached table provides the requested data except for the fuel use by
14 unit and forecast production by unit. Hydro monitors fuel consumption by
15 individual unit for efficiency monitoring purposes but does not maintain a
16 record of fuel consumed by individual unit on a monthly or annual basis. Fuel
17 consumption on a monthly and annual basis is measured by storage volume
18 changes from the common plant fuel storage. Also we do not forecast
19 individual unit production as it would not provide any additional value to the
20 fuel budget forecast.

Newfoundland & Labrador Hydro

No. 6 Fuel Data
Holyrood generating Station

Year	Fuel Purchase		Fuel Consumed	Gross Generation			Net Energy Production	Average Cost
	Volume	Cost		Unit 1	Unit 2	Unit 3		
Actuals	{bbl}	\$/CDN}	{bbl}	{kWh}	{kWh}	{kWh}	{kWh}	\$/kWh}
1992	3,013,950	\$43,075,850	2,856,439	710,090,000	540,310,000	562,050,000	1,706,212,840	\$0.022860
1993	2,505,664	\$37,029,632	2,570,185	741,330,000	459,640,000	460,160,000	1,558,883,340	\$0.025365
1994	1,320,468	\$21,813,798	1,339,448	281,410,000	321,590,000	236,760,000	776,894,400	\$0.025959
1995	2,630,543	\$54,666,235	2,463,492	725,580,000	506,440,000	394,960,000	1,533,078,080	\$0.032410
1996	2,295,993	\$53,076,723	2,297,257	547,020,000	569,600,000	376,440,000	1,403,596,120	\$0.036301
1997	2,375,531	\$51,983,671	2,431,424	552,300,000	631,920,000	441,160,000	1,531,300,920	\$0.035799
1998	1,903,590	\$31,596,450	2,041,312	571,030,000	475,030,000	297,420,000	1,263,264,060	\$0.029630
1999	1,877,440	\$41,107,155	1,593,506	395,800,000	255,720,000	341,770,000	919,801,520	\$0.031495
2000	1,355,875	\$47,505,661	1,593,125	447,840,000	421,400,000	171,210,000	970,283,280	\$0.050761
Forecast								
2001	3,250,000	\$100,945,000	3,231,705				1,971,340,000	\$0.052656
2002	3,500,000	\$99,330,000	3,537,509				2,157,880,000	\$0.046613
2003	3,250,000	\$84,565,000	3,317,016				2,023,380,000	\$0.043179
2004	3,250,000	\$75,172,500	3,061,574				1,867,560,000	\$0.038507
2005	3,000,000	\$69,780,000	3,124,525				1,905,960,000	\$0.038097

- 1 Q. What is the RSP cap for Industrial Customers? Does Hydro propose to
2 change that cap?
3
4
5 A. Please see response to NP-154.

1 Q. With respect to Specifically Assigned Charges for Industrial Customers
2 provide the total Specifically Assigned Charges billed to each of the Industrial
3 Customers for each of 1998, 1999 and 2000 together with a breakdown of
4 the component parts of such charges for each of those years.

5

6

7 A. Please see attached.

NEWFOUNDLAND AND LABRADOR HYDRO
Specifically Assigned Charges (\$)

	Corner Brook	Abitibi Consolidated		North Atlantic	Total
	Pulp & Paper	S'veille	Grand Falls	Refining	
1998	11,833	127,792	5,075	323,444	468,144
1999	11,833	127,792	5,075	323,444	468,144
2000	10,562	114,067	4,530	288,706	417,865
Components:					
O&M	2,945	30,192	2,256	79,384	114,777
Depreciation	734	8,919	156	32,891	42,700
Interest	5,761	62,729	1,763	147,469	217,722
Margin	1,009	10,994	309	25,846	38,158
Expense Credits	(9)	(85)	(6)	(219)	(319)
Rural Deficit	1,393	15,043	597	38,073	55,106
1998/99 Totals	11,833	127,792	5,075	323,444	468,144
Deficit Reduction	(1,271)	(13,725)	(545)	(34,738)	(50,279)
2000 Totals	10,562	114,067	4,530	288,706	417,865

- 1 Q. Wheeling:
2 a) What is the current wheeling charge for Industrial Customers? How
3 was it determined? When was it last changed, and why was it then
4 changed?
5 b) Explain in detail, setting out all calculations and indicating the source
6 of all information as required in Schedule 1.5 of the Cost of Service
7 Study (particularly the source of the line 2 MWh estimate) how the
8 proposed wheeling rate was determined. Explain why the wheeling
9 rate has increased by 7.1% (see P.R. Hamilton, Table 2 at page 9).
10 c) Explain how forecast revenue from wheeling (\$6,950, as referenced in
11 (b) above) is derived and applied in the calculation of revenue to Cost
12 Coverage ratios in Schedule 1.2. Confirm that wheeling revenue is
13 included as an "expense credit" for Transmission Demand costs in
14 Schedule 2.1A.

15
16 A. a) The current wheeling charge for Industrial Customers is \$0.00649 per
17 kilowatt hour. It was determined in the same manner as the proposed
18 rate (refer to response to part b, below), using 1994 budget data. It
19 was last changed in 1994, based on that budget, as were other
20 industrial rates.

21
22 b) The proposed wheeling rate was determined as follows:
23 Island Interconnected Transmission
24 Revenue Requirement \$43,918,606
25 (Source: Exhibit JAB-1, page 28, Column 5)

26
27 Divided by:
28

1	Transmission Energy Output (MWh)	6,315,428
2	Source:	
3	Total Sales and Bulk Deliveries	6,346,400
4	(Source H.G. Budgell, Schedule 5)	
5	Less: Compensation	(31,000)
6	Plus: Rounding	<u>28</u>
7		<u>6,315,428</u>
8	Divided by	1,000
9	Equals	\$.00695 (\$/kWh)

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The increase in the wheeling rate is due to the increased costs from 1994 to 2002. As the transmission energy has also increased, the resultant increase to the rate was somewhat mitigated.

c) The forecast revenue from wheeling is derived as follows:

Wheeling energy forecast (kWh)	1,000,000
Multiplied by Rate per kWh	<u>\$0.00695</u>
	<u>\$ 6,950</u>

The wheeling revenue is included as an expense credit, reducing the total transmission demand costs assigned to the Island Interconnected System (Schedule 2.1 A., Line 14, Column 5). This results in a lower Cost of Service, which is the denominator in the Revenue to Cost Coverage calculation.

- 1 Q. Secondary Energy:
- 2 a) What is the existing “firming up charge” for secondary energy supplied
- 3 to NP by Corner Brook Pulp and Paper Limited? How was it
- 4 determined? How has it been applied in each year since it was
- 5 instituted?
- 6 b) Explain in detail, setting out all calculations and indicating the source
- 7 of all information as required in Schedule 1.4 of the Cost of Service
- 8 Study, how the proposed firming up charge was determined. In
- 9 particulate, explain how each of the estimates related to the gas
- 10 turbine were derived from the Cost of Service information.
- 11 c) Identify and explain each factor accounting for the reduction in this
- 12 rate as proposed by Hydro.
- 13
- 14 A. a) The existing firming up charge for secondary energy supplied to NP by
- 15 Corner Brook Pulp and Paper Limited is \$0.01034 per kWh. It was
- 16 determined in the same manner as the proposed rate (Exhibit JAB-1,
- 17 page 26), using 1992 test year data, as approved by the Board in the
- 18 1992 rate Hearing. The rate has been applied to secondary energy
- 19 purchased from Corner Brook Pulp and Paper and delivered to
- 20 Newfoundland Power.
- 21
- 22 b) The detailed calculation of the rate is attached.
- 23
- 24 c) While total costs increased, the unit cost for gas turbines has
- 25 decreased significantly, mostly due to the lower depreciation recorded
- 26 as the gas turbines have aged. As well, the consequent lower net
- 27 book value of the gas turbines has attracted less return. Unit costs for
- 28 Transmission and Terminal Stations have increased only slightly. The

1 cost per kW is the sum of the Gas Turbine unit costs and the
2 Transmission and Terminals unit costs, resulting in the reduced per
3 kWh rate.

Line No.	Description	1	2	3	4	Source
Line No.	Description	Total	Gas Turbine	Transmission & Terminals		
1	Operating & Maintenance	9,525,036	513,566			Col 3: Exhibit JAB-1, Page 33, Line 4, Column 3
2	O&M Overhead	7,045,021				Col 4: Exhibit JAB-1, Page 33, Line 8, Column 5
3	O&M		513,566			Exhibit JAB-1, Page 33, Line 22, Column 5
4	Divided by					Row 1
5	Subtotal Production, Transmission and Distribution Production Demand	14,689,207				Exhibit JAB-1, Page 33, Line 12, Column 3
6	Multiplied by					
7	Production Demand Overhead	<u>11,401,822</u>				
8		<u>398,632</u>	398,632			
9	Depreciation	8,986,808				Exhibit JAB-1, Page 35, Line 40, Column 5
10	Depreciation		133,054			Exhibit JAB-1, Page 35, Line 9, Column 3
11	Multiplied by					
12			1			
13	Plus					
	(Subtotal General Plant, Telecontrol, Feasibility Study & Software Production Demand Depreciation	2,470,658				Exhibit JAB-1, Page 35, Lines 34-38, Column 3
14	Divided by					
15	Subtotal Production, Transmission and Distribution Production Demand Depreciation)	<u>3,566,951</u>				
16		<u>225,214</u>	225,214			
17	Return	19,642,937				
18	Percent of Total Prod Demand NBV		0.73%			Exhibit JAB-1, Page 26
19	Multiplied by:					
20	(Return on Debt - Production Demand	26,760,190				Exhibit JAB-1, Page 36, Lines 11, Column 3
21						
22	Return on Equity - Production Demand)	<u>1,766,055</u>				Exhibit JAB-1, Page 36, Lines 12, Column 3
23		<u>208,571</u>	208,571			
24	Return on Debt - Transmission Demand	18,231,188				Exhibit JAB-1, Page 36, Lines 11, Column 5
25	Return on Equity - Transmission Demand	<u>1,203,178</u>				Exhibit JAB-1, Page 36, Lines 12, Column 5
26		<u>19,434,367</u>		19,434,367		
27	Total	<u>45,199,802</u>	<u>1,345,982</u>	<u>43,853,820</u>		

1 Q. Explain how Hydro delivers power to Newfoundland Power at Pasadena and
2 Marble Mountain and what transmission facilities are used for that purpose.

3

4 A. Hydro does not have equipment connected to Newfoundland Power's
5 Pasadena and Marble Mountain stations except for metering equipment.
6 Corner Brook Pulp and Paper's 66 kV transmission line, L1, connects to both
7 of these stations and they provide the power and energy to Newfoundland
8 Power. Hydro delivers power and energy to Corner Brook Pulp and Paper at
9 either or both of Hydro's Massey Drive Terminal Station and Corner Brook
10 Pulp and Paper's Deer Lake Generating Station. Hydro provides a credit to
11 Corner Brook Pulp and Paper through the metering arrangement for all
12 power and energy provided to Pasadena and Marble Mountain.

1 Q. Explain the role, if any, that the generating facilities owned by Abitibi
2 Consolidated and Corner Brook Pulp and Paper play in Hydro's planning for
3 provision of power on the island grid in cases where Hydro's generation is
4 out of service and how such generating facilities affect the security of the
5 island grid generally.

6
7 A. In its planning for the provision of power on the island grid, Hydro considers
8 its own generation and that of its customers as resources available to meet
9 the load of the total island interconnected system. For long term planning, in
10 any given period there is the probability that any unit, or combination of units
11 (either Hydro's and/or its customers), may be unavailable due to planned or
12 unplanned outages. It is this probabilistic analysis over all hours of the year
13 that forms the basis for the reliability assessment of the total island
14 interconnected system. With respect to the hydroelectric units owned by
15 Abitibi Consolidated and Corner Brook Pulp and Paper, while there are times
16 when Hydro may be able to utilize additional available capacity, these units
17 are not under the direct control of Hydro and are operated for the benefit of
18 their respective operations rather than the interconnected system. As such
19 their contribution to the overall reliability of the system is not as great as a
20 similar, fully dispatchable resource such as Bay D'Espoir.

1 Q. What percentage of debt to capital structure for Hydro would, in Ms.
2 McShane's view, all other things being equal, negatively impact on the
3 Province's credit rating?
4

5
6 A. It is impossible to conclude with any degree of precision at what level Hydro's
7 debt ratio would negatively impact on the Province's credit rating. Based on
8 the experience of other Crown Corporations, debt ratios of up to 90% in the
9 short-term have been maintained without negative impact on the Province's
10 credit rating. The debt rating agencies would tend to focus on the utility's
11 ability to fully recover its debt service costs without running the risk of having
12 to turn to the Provincial government for assistance. Stated alternatively, as
13 long as Hydro's debt is guaranteed by the Province, the debt rating agencies'
14 concerns are with assurance that Hydro is self-sufficient, i.e. Hydro will cover
15 its total out-of-pocket costs, including interest expense, from its own
16 revenues, without risk of a short-fall.

1 Q. Assuming that the cost of debt to Hydro would be 100 basis points more
2 without the government guarantee, how much in dollars would this 100 basis
3 points represent as a cost to Hydro in the test year?
4

5 A. As the 1% guarantee is applied to virtually all of Hydro's debt, the answer
6 would effectively be equal to the test year guarantee fee, which is currently
7 reported as \$11.9 million. (Please see NP-77 for revised calculation.)

- 1 Q. Identify each of the companies whose shares form part of the TSE
2 Gas/Electric Utilities group which primarily operate isolated systems and
3 have statutory monopolies in their operating territories.
4
5
6 A. To Ms. McShane's knowledge, none of the TSE Gas/Electric utilities primarily
7 operates an isolated system and has a statutory monopoly.

1 Q. Identify each of the companies included on either Schedule XIII or Schedule
2 XIV of the evidence of K. C. McShane which primarily operate isolated
3 systems and have statutory monopolies in their operating territories.

4

5

6 A. To Ms. McShane's knowledge, none of the companies identified on the
7 referenced schedules primarily operates an isolated system and has a
8 statutory monopoly.

- 1 Q. Provide the monthly reports on the Rate Stabilization Plan from January,
2 1992 to date.
3
4 A. A copy of each monthly report on the Rate Stabilization Plan is enclosed.

1 Q. (a) Describe the function of Holyrood unit #3 as a synchronous condenser
2 including what effect, if any, such use has on fuel consumption.

3

4 (b) Explain the synchronous condenser use impacts reported for 1992
5 and 2000 in Schedule V of R.J. Henderson's evidence, and provide
6 similar numbers and explanations for each additional year since 1992
7 when such impacts have occurred. Explain why no impacts from
8 condenser use are forecast for the 2002 test year, and explain under
9 what conditions the condenser use could provide benefits in this test
10 year.

11

12 (c) What benefits, if any, would accrue from equipping another unit at
13 Holyrood to act as such a condenser?

14

15

16 A. (a) The synchronous condenser operation of Holyrood unit #3 is primarily
17 designed to support transmission system voltages east of the
18 Sunnyside terminal station without requiring that a prime mover be
19 engaged on the unit. By operating unit #3 as a synchronous
20 condenser, it is possible to reduce or eliminate generation from the
21 Holyrood plant during certain periods of the year. This offers two
22 benefits. First, by improving the flexibility of the thermal dispatch on
23 the Island Interconnected system, it is possible to avail of
24 opportunities to better use stored water in the event of high storage
25 conditions. Second, by improving the flexibility of the thermal
26 dispatch, it is possible to avail of opportunities to shut down one or
27 more units earlier in the year, and similarly start units later in the year.
28 This has the effect of increasing average unit loading, and hence

1 improving the thermal efficiency of the plant versus the case if no
2 synchronous condenser were available.

3
4 The Holyrood unit #3 synchronous condenser does not directly use
5 fuel to operate. Therefore, it primarily impacts fuel consumed by
6 allowing more efficient use of the fuel as described above.

7
8 (b) The synchronous condenser use noted in Schedule V of R.J.
9 Henderson’s evidence reflects the consumption by all synchronous
10 condensers on Hydro’s system with the exception of Holyrood unit #3.
11 Synchronous condenser energy consumption at Holyrood is not
12 metered, and as a result, consumption by Holyrood unit #3
13 synchronous condenser is reflected in system losses. The table
14 below summarizes synchronous condenser usage for the period 1993-
15 1999 inclusive and also does not include Holyrood unit #3 usage.

	1993	1994	1995	1996	1997	1998	1999
Synchronous Condenser Use (GWh)	4.66	6.40	1.00	1.94	2.10	7.36	6.31

16
17
18 The synchronous condenser use reported in Schedule V of R. J.
19 Henderson’s evidence and in the above table are for both Cat Arm
20 generators, unit #7 at Bay d’Espoir and the gas turbines at Hardwoods
21 and Stephenville. They are each operated periodically for system
22 voltage support when the generator is not required to supply power
23 and energy.

24
25 Synchronous condenser usage is not forecast for the test year, as
26 synchronous condenser operation is highly dependent upon the

1 exigencies of load patterns, precipitation patterns, water storage
2 conditions, and transmission requirements and falls well within the
3 forecast variances in system losses which are also dependent on
4 these factors.

5
6 (c) Equipping another unit at Holyrood with synchronous condenser
7 capability will have limited benefit at this time. Hydro has recently
8 finished installing additional reactive capability on the Avalon
9 Peninsula in the form of capacitor banks at the Hardwoods and Oxen
10 Pond terminal stations. The reactive capability of the capacitor banks
11 in conjunction with the existing reactive capability of the Hardwoods
12 gas turbine and Holyrood unit #3 synchronous condensers is sufficient
13 to support voltages on the eastern portion of the system for the
14 foreseeable future.

- 1 Q. Provide a schedule showing for each day in the years 1992, 1996 and 2000
2 how many units at Holyrood were operating.
3
4
5 A. See attached tables.

1992		
Date	Number of Units	Unit 3 in Synchronous
1/1/92	3	0
1/2/92	3	0
1/3/92	3	0
1/4/92	3	0
1/5/92	3	0
1/6/92	3	0
1/7/92	3	0
1/8/92	2	0
1/9/92	2	0
1/10/92	2	0
1/11/92	2	0
1/12/92	3	0
1/13/92	3	0
1/14/92	3	0
1/15/92	3	0
1/16/92	3	0
1/17/92	3	0
1/18/92	3	0
1/19/92	3	0
1/20/92	3	0
1/21/92	3	0
1/22/92	3	0
1/23/92	3	0
1/24/92	3	0
1/25/92	3	0
1/26/92	3	0
1/27/92	3	0
1/28/92	3	0
1/29/92	3	0
1/30/92	3	0
1/31/92	3	0
2/1/92	3	0
2/2/92	3	0
2/3/92	3	0
2/4/92	3	0
2/5/92	3	0
2/6/92	3	0
2/7/92	3	0
2/8/92	3	0
2/9/92	3	0
2/10/92	3	0
2/11/92	3	0
2/12/92	3	0
2/13/92	3	0
2/14/92	2	0
2/15/92	3	0
2/16/92	3	0
2/17/92	3	0
2/18/92	3	0
2/19/92	2	0
2/20/92	3	0
2/21/92	3	0
2/22/92	3	0
2/23/92	3	0
2/24/92	3	0
2/25/92	3	0
2/26/92	3	0
2/27/92	3	0
2/28/92	3	0
2/29/92	3	0
3/1/92	3	0
3/2/92	3	0
3/3/92	3	0
3/4/92	3	0
3/5/92	3	0
3/6/92	3	0
3/7/92	3	0
3/8/92	3	0

1996		
Date	Number of Units	Unit 3 in Synchronous
1/1/96	3	0
1/2/96	3	0
1/3/96	3	0
1/4/96	3	0
1/5/96	3	0
1/6/96	3	0
1/7/96	3	0
1/8/96	3	0
1/9/96	3	0
1/10/96	3	0
1/11/96	3	0
1/12/96	3	0
1/13/96	3	0
1/14/96	3	0
1/15/96	3	0
1/16/96	3	0
1/17/96	3	0
1/18/96	2	0
1/19/96	2	0
1/20/96	2	0
1/21/96	3	0
1/22/96	3	0
1/23/96	3	0
1/24/96	3	0
1/25/96	3	0
1/26/96	3	0
1/27/96	3	0
1/28/96	3	0
1/29/96	3	0
1/30/96	3	0
1/31/96	3	0
2/1/96	3	0
2/2/96	3	0
2/3/96	3	0
2/4/96	3	0
2/5/96	3	0
2/6/96	3	0
2/7/96	3	0
2/8/96	3	0
2/9/96	2	0
2/10/96	3	0
2/11/96	3	0
2/12/96	2	0
2/13/96	2	0
2/14/96	2	0
2/15/96	2	0
2/16/96	2	0
2/17/96	3	0
2/18/96	3	0
2/19/96	2	0
2/20/96	2	0
2/21/96	2	0
2/22/96	2	0
2/23/96	2	0
2/24/96	2	0
2/25/96	2	0
2/26/96	2	0
2/27/96	2	0
2/28/96	2	0
2/29/96	2	0
3/1/96	2	0
3/2/96	2	0
3/3/96	2	0
3/4/96	2	0
3/5/96	2	0
3/6/96	2	0
3/7/96	2	0
3/8/96	2	0

2000		
Date	Number of Units	Unit 3 in Synchronous
1/1/00	3	0
1/2/00	3	0
1/3/00	3	0
1/4/00	3	0
1/5/00	3	0
1/6/00	3	0
1/7/00	3	0
1/8/00	3	0
1/9/00	3	0
1/10/00	2	0
1/11/00	2	0
1/12/00	3	0
1/13/00	3	0
1/14/00	3	0
1/15/00	3	0
1/16/00	3	0
1/17/00	3	0
1/18/00	3	0
1/19/00	3	0
1/20/00	3	0
1/21/00	3	0
1/22/00	3	0
1/23/00	3	0
1/24/00	3	0
1/25/00	2	0
1/26/00	2	0
1/27/00	2	0
1/28/00	3	0
1/29/00	3	0
1/30/00	3	0
1/31/00	3	0
2/1/00	3	0
2/2/00	3	0
2/3/00	3	0
2/4/00	3	0
2/5/00	3	0
2/6/00	3	0
2/7/00	3	0
2/8/00	3	0
2/9/00	3	0
2/10/00	3	0
2/11/00	3	0
2/12/00	3	0
2/13/00	3	0
2/14/00	3	0
2/15/00	3	0
2/16/00	3	0
2/17/00	3	0
2/18/00	3	0
2/19/00	3	0
2/20/00	3	0
2/21/00	3	0
2/22/00	3	0
2/23/00	3	0
2/24/00	3	0
2/25/00	3	0
2/26/00	3	0
2/27/00	3	0
2/28/00	2	0
2/29/00	2	0
3/1/00	2	0
3/2/00	2	0
3/3/00	2	0
3/4/00	2	0
3/5/00	2	0
3/6/00	2	0
3/7/00	2	0
3/8/00	2	0

1992		
Date	Number of Units	Unit 3 in Synchronous
3/9/92	3	0
3/10/92	3	0
3/11/92	3	0
3/12/92	3	0
3/13/92	3	0
3/14/92	3	0
3/15/92	3	0
3/16/92	3	0
3/17/92	3	0
3/18/92	3	0
3/19/92	3	0
3/20/92	3	0
3/21/92	3	0
3/22/92	3	0
3/23/92	3	0
3/24/92	3	0
3/25/92	3	0
3/26/92	3	0
3/27/92	3	0
3/28/92	3	0
3/29/92	3	0
3/30/92	3	0
3/31/92	3	0
4/1/92	3	0
4/2/92	2	0
4/3/92	2	0
4/4/92	2	0
4/5/92	2	0
4/6/92	2	0
4/7/92	2	0
4/8/92	0	0
4/9/92	1	0
4/10/92	2	0
4/11/92	2	0
4/12/92	1	0
4/13/92	2	0
4/14/92	2	0
4/15/92	2	0
4/16/92	2	0
4/17/92	2	0
4/18/92	2	0
4/19/92	2	0
4/20/92	2	0
4/21/92	3	0
4/22/92	2	0
4/23/92	2	0
4/24/92	2	0
4/25/92	2	0
4/26/92	2	0
4/27/92	2	0
4/28/92	2	0
4/29/92	2	0
4/30/92	2	0
5/1/92	3	0
5/2/92	2	0
5/3/92	2	0
5/4/92	2	0
5/5/92	2	0
5/6/92	2	0
5/7/92	2	0
5/8/92	2	0
5/9/92	2	0
5/10/92	2	0
5/11/92	2	0
5/12/92	2	0
5/13/92	2	0
5/14/92	2	0
5/15/92	2	0

1996		
Date	Number of Units	Unit 3 in Synchronous
3/9/96	2	0
3/10/96	2	0
3/11/96	2	0
3/12/96	3	0
3/13/96	2	0
3/14/96	2	0
3/15/96	2	0
3/16/96	2	0
3/17/96	2	0
3/18/96	2	0
3/19/96	2	0
3/20/96	2	0
3/21/96	2	0
3/22/96	2	0
3/23/96	2	0
3/24/96	2	0
3/25/96	2	0
3/26/96	2	0
3/27/96	2	0
3/28/96	2	0
3/29/96	2	0
3/30/96	2	0
3/31/96	2	0
4/1/96	2	0
4/2/96	1	0
4/3/96	2	0
4/4/96	2	0
4/5/96	2	0
4/6/96	2	0
4/7/96	2	0
4/8/96	2	0
4/9/96	2	0
4/10/96	2	0
4/11/96	2	0
4/12/96	2	0
4/13/96	2	0
4/14/96	2	0
4/15/96	2	0
4/16/96	2	0
4/17/96	2	0
4/18/96	2	0
4/19/96	2	0
4/20/96	2	0
4/21/96	2	0
4/22/96	2	0
4/23/96	2	0
4/24/96	2	0
4/25/96	2	0
4/26/96	2	0
4/27/96	2	0
4/28/96	2	0
4/29/96	2	0
4/30/96	2	0
5/1/96	2	0
5/2/96	2	0
5/3/96	2	0
5/4/96	2	0
5/5/96	2	0
5/6/96	2	0
5/7/96	2	0
5/8/96	2	0
5/9/96	2	0
5/10/96	2	0
5/11/96	2	0
5/12/96	1	0
5/13/96	1	0
5/14/96	1	0
5/15/96	2	0

2000		
Date	Number of Units	Unit 3 in Synchronous
3/9/00	2	0
3/10/00	2	0
3/11/00	2	0
3/12/00	2	0
3/13/00	2	0
3/14/00	2	0
3/15/00	2	0
3/16/00	2	0
3/17/00	2	0
3/18/00	2	0
3/19/00	2	0
3/20/00	2	0
3/21/00	2	0
3/22/00	2	0
3/23/00	2	0
3/24/00	2	0
3/25/00	2	0
3/26/00	2	0
3/27/00	2	0
3/28/00	2	0
3/29/00	2	0
3/30/00	1	0
3/31/00	1	0
4/1/00	1	0
4/2/00	2	0
4/3/00	2	0
4/4/00	2	0
4/5/00	1	0
4/6/00	1	0
4/7/00	1	0
4/8/00	1	0
4/9/00	1	0
4/10/00	1	0
4/11/00	1	0
4/12/00	1	0
4/13/00	1	0
4/14/00	1	0
4/15/00	1	0
4/16/00	2	0
4/17/00	2	0
4/18/00	2	0
4/19/00	2	0
4/20/00	2	0
4/21/00	2	0
4/22/00	2	0
4/23/00	2	0
4/24/00	2	0
4/25/00	2	0
4/26/00	2	0
4/27/00	2	0
4/28/00	2	0
4/29/00	2	0
4/30/00	2	0
5/1/00	2	0
5/2/00	2	0
5/3/00	2	0
5/4/00	2	0
5/5/00	2	0
5/6/00	2	0
5/7/00	2	0
5/8/00	2	0
5/9/00	2	0
5/10/00	2	0
5/11/00	2	0
5/12/00	2	0
5/13/00	2	0
5/14/00	1	0
5/15/00	1	0

1992		
Date	Number of Units	Unit 3 in Synchronous
5/16/92	1	0
5/17/92	1	0
5/18/92	1	0
5/19/92	1	0
5/20/92	1	0
5/21/92	1	0
5/22/92	1	0
5/23/92	1	0
5/24/92	1	0
5/25/92	1	0
5/26/92	1	0
5/27/92	1	0
5/28/92	1	0
5/29/92	1	0
5/30/92	1	0
5/31/92	1	0
6/1/92	1	0
6/2/92	1	0
6/3/92	1	0
6/4/92	1	0
6/5/92	1	0
6/6/92	1	0
6/7/92	1	0
6/8/92	1	0
6/9/92	1	0
6/10/92	1	0
6/11/92	1	0
6/12/92	1	0
6/13/92	1	0
6/14/92	1	0
6/15/92	1	0
6/16/92	1	0
6/17/92	1	0
6/18/92	1	0
6/19/92	1	0
6/20/92	1	0
6/21/92	1	0
6/22/92	1	0
6/23/92	1	0
6/24/92	1	0
6/25/92	1	0
6/26/92	1	0
6/27/92	1	0
6/28/92	1	0
6/29/92	1	0
6/30/92	1	0
7/1/92	1	0
7/2/92	1	0
7/3/92	1	0
7/4/92	1	0
7/5/92	1	0
7/6/92	1	0
7/7/92	1	0
7/8/92	1	0
7/9/92	1	0
7/10/92	1	0
7/11/92	1	0
7/12/92	1	0
7/13/92	1	0
7/14/92	1	0
7/15/92	1	0
7/16/92	1	0
7/17/92	1	0
7/18/92	1	0
7/19/92	1	0
7/20/92	1	0
7/21/92	1	0
7/22/92	1	0

1996		
Date	Number of Units	Unit 3 in Synchronous
5/16/96	2	0
5/17/96	2	0
5/18/96	2	0
5/19/96	2	0
5/20/96	2	0
5/21/96	2	0
5/22/96	2	0
5/23/96	2	0
5/24/96	2	0
5/25/96	3	0
5/26/96	2	0
5/27/96	2	0
5/28/96	2	0
5/29/96	2	0
5/30/96	1	1
5/31/96	1	1
6/1/96	1	1
6/2/96	1	1
6/3/96	1	1
6/4/96	1	1
6/5/96	1	1
6/6/96	1	1
6/7/96	1	1
6/8/96	1	1
6/9/96	1	1
6/10/96	1	1
6/11/96	1	1
6/12/96	1	1
6/13/96	1	1
6/14/96	1	1
6/15/96	1	1
6/16/96	1	1
6/17/96	1	1
6/18/96	1	1
6/19/96	1	1
6/20/96	1	1
6/21/96	0	1
6/22/96	0	1
6/23/96	0	1
6/24/96	0	1
6/25/96	0	1
6/26/96	0	1
6/27/96	0	1
6/28/96	0	1
6/29/96	0	1
6/30/96	0	1
7/1/96	0	1
7/2/96	0	1
7/3/96	0	1
7/4/96	0	1
7/5/96	0	1
7/6/96	0	1
7/7/96	0	1
7/8/96	0	1
7/9/96	0	1
7/10/96	0	1
7/11/96	0	1
7/12/96	0	1
7/13/96	0	1
7/14/96	0	1
7/15/96	0	1
7/16/96	0	1
7/17/96	0	1
7/18/96	0	1
7/19/96	0	1
7/20/96	0	1
7/21/96	0	1
7/22/96	0	1

2000		
Date	Number of Units	Unit 3 in Synchronous
5/16/00	1	0
5/17/00	0	0
5/18/00	0	0
5/19/00	0	0
5/20/00	1	0
5/21/00	1	0
5/22/00	1	0
5/23/00	1	0
5/24/00	1	0
5/25/00	1	0
5/26/00	0	0
5/27/00	0	0
5/28/00	0	0
5/29/00	1	0
5/30/00	1	0
5/31/00	0	0
6/1/00	0	0
6/2/00	0	0
6/3/00	0	0
6/4/00	0	0
6/5/00	0	0
6/6/00	0	1
6/7/00	0	1
6/8/00	0	1
6/9/00	0	1
6/10/00	0	1
6/11/00	0	1
6/12/00	0	1
6/13/00	0	1
6/14/00	0	1
6/15/00	0	1
6/16/00	0	1
6/17/00	0	1
6/18/00	0	1
6/19/00	0	1
6/20/00	0	1
6/21/00	0	1
6/22/00	0	1
6/23/00	0	1
6/24/00	0	1
6/25/00	0	1
6/26/00	0	1
6/27/00	0	1
6/28/00	0	1
6/29/00	0	1
6/30/00	0	1
7/1/00	0	1
7/2/00	0	1
7/3/00	0	1
7/4/00	0	1
7/5/00	0	1
7/6/00	0	1
7/7/00	0	1
7/8/00	0	1
7/9/00	0	1
7/10/00	0	1
7/11/00	0	1
7/12/00	0	1
7/13/00	0	1
7/14/00	0	1
7/15/00	0	1
7/16/00	0	1
7/17/00	0	1
7/18/00	0	1
7/19/00	0	1
7/20/00	0	1
7/21/00	0	1
7/22/00	0	1

1992		
Date	Number of Units	Unit 3 in Synchronous
7/23/92	1	0
7/24/92	1	0
7/25/92	1	0
7/26/92	1	0
7/27/92	1	0
7/28/92	1	0
7/29/92	1	0
7/30/92	1	0
7/31/92	1	0
8/1/92	1	0
8/2/92	1	0
8/3/92	1	0
8/4/92	1	0
8/5/92	1	0
8/6/92	1	0
8/7/92	0	0
8/8/92	1	0
8/9/92	1	0
8/10/92	1	0
8/11/92	1	0
8/12/92	1	0
8/13/92	1	0
8/14/92	1	0
8/15/92	1	0
8/16/92	1	0
8/17/92	1	0
8/18/92	1	0
8/19/92	1	0
8/20/92	1	0
8/21/92	1	0
8/22/92	1	0
8/23/92	1	0
8/24/92	1	0
8/25/92	1	0
8/26/92	1	0
8/27/92	1	0
8/28/92	1	0
8/29/92	1	0
8/30/92	1	0
8/31/92	1	0
9/1/92	1	0
9/2/92	1	0
9/3/92	1	0
9/4/92	1	0
9/5/92	1	0
9/6/92	1	0
9/7/92	1	0
9/8/92	1	0
9/9/92	1	0
9/10/92	1	0
9/11/92	1	0
9/12/92	1	0
9/13/92	1	0
9/14/92	1	0
9/15/92	1	0
9/16/92	1	0
9/17/92	1	0
9/18/92	1	0
9/19/92	1	0
9/20/92	0	0
9/21/92	0	0
9/22/92	0	0
9/23/92	0	0
9/24/92	0	0
9/25/92	0	0
9/26/92	0	0
9/27/92	0	0
9/28/92	0	0

1996		
Date	Number of Units	Unit 3 in Synchronous
7/23/96	0	1
7/24/96	0	1
7/25/96	0	1
7/26/96	0	1
7/27/96	0	1
7/28/96	0	1
7/29/96	0	1
7/30/96	0	1
7/31/96	0	1
8/1/96	0	1
8/2/96	0	1
8/3/96	0	1
8/4/96	0	1
8/5/96	0	1
8/6/96	0	1
8/7/96	0	1
8/8/96	0	1
8/9/96	0	1
8/10/96	0	1
8/11/96	0	0
8/12/96	0	1
8/13/96	0	1
8/14/96	0	1
8/15/96	0	1
8/16/96	0	1
8/17/96	0	1
8/18/96	0	1
8/19/96	0	1
8/20/96	0	1
8/21/96	0	1
8/22/96	0	1
8/23/96	0	1
8/24/96	0	1
8/25/96	0	1
8/26/96	0	1
8/27/96	0	1
8/28/96	0	1
8/29/96	0	1
8/30/96	0	1
8/31/96	0	1
9/1/96	0	1
9/2/96	0	1
9/3/96	0	1
9/4/96	0	1
9/5/96	0	1
9/6/96	0	1
9/7/96	0	1
9/8/96	0	1
9/9/96	0	1
9/10/96	0	1
9/11/96	0	1
9/12/96	0	1
9/13/96	0	1
9/14/96	0	1
9/15/96	1	0
9/16/96	1	0
9/17/96	1	0
9/18/96	1	0
9/19/96	1	0
9/20/96	1	0
9/21/96	1	0
9/22/96	2	0
9/23/96	2	0
9/24/96	1	0
9/25/96	1	0
9/26/96	1	0
9/27/96	1	0
9/28/96	1	0

2000		
Date	Number of Units	Unit 3 in Synchronous
7/23/00	0	1
7/24/00	0	1
7/25/00	0	1
7/26/00	0	1
7/27/00	0	1
7/28/00	0	1
7/29/00	0	1
7/30/00	0	1
7/31/00	0	1
8/1/00	0	1
8/2/00	0	1
8/3/00	0	1
8/4/00	0	1
8/5/00	0	1
8/6/00	0	1
8/7/00	0	1
8/8/00	0	1
8/9/00	0	1
8/10/00	0	1
8/11/00	0	1
8/12/00	0	1
8/13/00	0	1
8/14/00	0	1
8/15/00	0	1
8/16/00	0	1
8/17/00	0	1
8/18/00	0	1
8/19/00	0	1
8/20/00	0	1
8/21/00	0	1
8/22/00	0	1
8/23/00	0	1
8/24/00	0	1
8/25/00	0	1
8/26/00	0	1
8/27/00	0	1
8/28/00	0	1
8/29/00	0	1
8/30/00	0	1
8/31/00	0	1
9/1/00	0	1
9/2/00	1	1
9/3/00	0	1
9/4/00	0	1
9/5/00	0	1
9/6/00	0	1
9/7/00	0	1
9/8/00	0	1
9/9/00	0	1
9/10/00	0	1
9/11/00	0	1
9/12/00	0	1
9/13/00	0	1
9/14/00	0	1
9/15/00	1	1
9/16/00	1	1
9/17/00	1	1
9/18/00	1	1
9/19/00	1	1
9/20/00	1	1
9/21/00	1	1
9/22/00	1	1
9/23/00	1	1
9/24/00	1	1
9/25/00	1	1
9/26/00	1	1
9/27/00	1	1
9/28/00	1	1

1992		
Date	Number of Units	Unit 3 in Synchronous
9/29/92	0	0
9/30/92	0	0
10/1/92	1	0
10/2/92	1	0
10/3/92	1	0
10/4/92	1	0
10/5/92	1	0
10/6/92	1	0
10/7/92	1	0
10/8/92	1	0
10/9/92	2	0
10/10/92	1	0
10/11/92	1	0
10/12/92	2	0
10/13/92	2	0
10/14/92	2	0
10/15/92	2	0
10/16/92	2	0
10/17/92	1	0
10/18/92	1	0
10/19/92	2	0
10/20/92	2	0
10/21/92	2	0
10/22/92	2	0
10/23/92	2	0
10/24/92	2	0
10/25/92	2	0
10/26/92	2	0
10/27/92	2	0
10/28/92	2	0
10/29/92	2	0
10/30/92	2	0
10/31/92	2	0
11/1/92	1	0
11/2/92	2	0
11/3/92	2	0
11/4/92	2	0
11/5/92	2	0
11/6/92	1	0
11/7/92	1	0
11/8/92	1	0
11/9/92	1	0
11/10/92	2	0
11/11/92	1	0
11/12/92	1	0
11/13/92	2	0
11/14/92	1	0
11/15/92	2	0
11/16/92	2	0
11/17/92	2	0
11/18/92	2	0
11/19/92	2	0
11/20/92	2	0
11/21/92	2	0
11/22/92	2	0
11/23/92	2	0
11/24/92	2	0
11/25/92	2	0
11/26/92	2	0
11/27/92	2	0
11/28/92	2	0
11/29/92	2	0
11/30/92	2	0
12/1/92	2	0
12/2/92	2	0
12/3/92	3	0
12/4/92	3	0
12/5/92	3	0

1996		
Date	Number of Units	Unit 3 in Synchronous
9/29/96	1	0
9/30/96	1	0
10/1/96	1	0
10/2/96	1	0
10/3/96	1	0
10/4/96	1	0
10/5/96	1	0
10/6/96	1	0
10/7/96	1	0
10/8/96	1	0
10/9/96	1	0
10/10/96	1	0
10/11/96	2	0
10/12/96	2	0
10/13/96	1	0
10/14/96	1	0
10/15/96	1	0
10/16/96	1	0
10/17/96	1	0
10/18/96	2	0
10/19/96	2	0
10/20/96	2	0
10/21/96	2	0
10/22/96	2	0
10/23/96	2	0
10/24/96	2	0
10/25/96	1	0
10/26/96	1	0
10/27/96	2	0
10/28/96	2	0
10/29/96	2	0
10/30/96	2	0
10/31/96	2	0
11/1/96	2	0
11/2/96	2	0
11/3/96	2	0
11/4/96	2	0
11/5/96	2	0
11/6/96	1	0
11/7/96	2	0
11/8/96	2	0
11/9/96	2	0
11/10/96	2	0
11/11/96	2	0
11/12/96	2	0
11/13/96	2	0
11/14/96	3	0
11/15/96	3	0
11/16/96	3	0
11/17/96	2	0
11/18/96	2	0
11/19/96	1	0
11/20/96	1	0
11/21/96	2	0
11/22/96	2	0
11/23/96	2	0
11/24/96	2	0
11/25/96	2	0
11/26/96	2	0
11/27/96	2	0
11/28/96	2	0
11/29/96	3	0
11/30/96	2	0
12/1/96	2	0
12/2/96	2	0
12/3/96	2	0
12/4/96	2	0
12/5/96	3	0

2000		
Date	Number of Units	Unit 3 in Synchronous
9/29/00	1	1
9/30/00	1	1
10/1/00	2	1
10/2/00	2	0
10/3/00	1	0
10/4/00	1	0
10/5/00	1	0
10/6/00	2	0
10/7/00	2	0
10/8/00	2	0
10/9/00	2	0
10/10/00	2	0
10/11/00	2	0
10/12/00	2	0
10/13/00	2	0
10/14/00	2	0
10/15/00	2	0
10/16/00	2	0
10/17/00	2	0
10/18/00	2	0
10/19/00	2	0
10/20/00	2	0
10/21/00	2	0
10/22/00	2	0
10/23/00	2	0
10/24/00	2	0
10/25/00	2	0
10/26/00	2	0
10/27/00	2	0
10/28/00	2	0
10/29/00	2	0
10/30/00	2	0
10/31/00	2	0
11/1/00	2	0
11/2/00	2	0
11/3/00	2	0
11/4/00	2	0
11/5/00	2	0
11/6/00	2	0
11/7/00	2	0
11/8/00	2	0
11/9/00	2	0
11/10/00	2	0
11/11/00	2	0
11/12/00	1	0
11/13/00	1	0
11/14/00	2	0
11/15/00	2	0
11/16/00	2	0
11/17/00	2	0
11/18/00	2	0
11/19/00	2	0
11/20/00	2	0
11/21/00	2	0
11/22/00	2	0
11/23/00	2	0
11/24/00	2	0
11/25/00	2	0
11/26/00	2	0
11/27/00	2	0
11/28/00	2	0
11/29/00	3	0
11/30/00	2	0
12/1/00	3	0
12/2/00	3	0
12/3/00	2	0
12/4/00	2	0
12/5/00	2	0

1992		
Date	Number of Units	Unit 3 in Synchronous
12/6/92	3	0
12/7/92	3	0
12/8/92	2	0
12/9/92	2	0
12/10/92	2	0
12/11/92	2	0
12/12/92	2	0
12/13/92	2	0
12/14/92	3	0
12/15/92	3	0
12/16/92	3	0
12/17/92	3	0
12/18/92	3	0
12/19/92	3	0
12/20/92	3	0
12/21/92	3	0
12/22/92	3	0
12/23/92	2	0
12/24/92	2	0
12/25/92	2	0
12/26/92	2	0
12/27/92	2	0
12/28/92	3	0
12/29/92	3	0
12/30/92	3	0
12/31/92	3	0

1996		
Date	Number of Units	Unit 3 in Synchronous
12/6/96	3	0
12/7/96	2	0
12/8/96	2	0
12/9/96	2	0
12/10/96	2	0
12/11/96	2	0
12/12/96	2	0
12/13/96	2	0
12/14/96	2	0
12/15/96	2	0
12/16/96	2	0
12/17/96	2	0
12/18/96	2	0
12/19/96	2	0
12/20/96	2	0
12/21/96	2	0
12/22/96	2	0
12/23/96	2	0
12/24/96	2	0
12/25/96	2	0
12/26/96	2	0
12/27/96	2	0
12/28/96	2	0
12/29/96	2	0
12/30/96	2	0
12/31/96	2	0

2000		
Date	Number of Units	Unit 3 in Synchronous
12/6/00	2	0
12/7/00	2	0
12/8/00	2	0
12/9/00	3	0
12/10/00	3	0
12/11/00	3	0
12/12/00	3	0
12/13/00	3	0
12/14/00	3	0
12/15/00	3	0
12/16/00	3	0
12/17/00	3	0
12/18/00	3	0
12/19/00	3	0
12/20/00	3	0
12/21/00	3	0
12/22/00	3	0
12/23/00	2	0
12/24/00	2	0
12/25/00	2	0
12/26/00	2	0
12/27/00	3	0
12/28/00	3	0
12/29/00	3	0
12/30/00	3	0
12/31/00	3	0

- 1 Q. Provide a Schedule in the form of Schedule V to the evidence of R. J.
2 Henderson showing each of the years from 1992 to 2002. Break out
3 Holyrood N. 6 (*sic.*) fuel generation from other thermal.
4
5
6 A. Please refer to attached table.

**Newfoundland And Labrador Hydro
Island Interconnected System
Energy Supply (GWh)**

	Filed PUB 1991	1992 Actual	Variance From 1992 Forecast	1993 Actual	Variance From 1992 Actual	1994 Actual	Variance From 1993 Actual	1995 Actual	Variance From 1994 Actual	1996 Actual	Variance From 1995 Actual
Hydroelectric	4,211.91	4,221.58	9.67	4,439.03	217.45	5,043.58	604.55	4,392.54	(651.05)	4,573.58	181.04
Holyrood	1,841.43	1,706.21	(135.22)	1,558.88	(147.33)	776.89	(781.99)	1,533.08	756.18	1,403.60	(129.48)
Other Thermal	2.76	(1.42)	(4.18)	0.30	1.73	1.30	0.99	0.79	(0.50)	2.90	2.10
Total Thermal	1,844.19	1,704.79	(139.40)	1,559.19	(145.60)	778.19	(781.00)	1,533.87	755.68	1,406.49	(127.38)
Energy Purchased	0.00	4.71	4.71	6.42	1.71	2.80	(3.61)	1.84	(0.96)	10.41	8.57
Less Synchronous Condenser Use	0.00	2.24	2.24	4.66	2.42	6.40	1.74	1.00	(5.40)	1.94	0.95
Total Energy Supply	6,056.10	5,928.84	(127.26)	5,999.98	71.14	5,818.18	(181.80)	5,927.25	109.08	5,988.54	61.28

	1997 Actual	Variance From 1996 Actual	1998 Actual	Variance From 1997 Actual	1999 Actual	Variance From 1998 Actual	2000 Actual	Variance From 1999 Actual	2001 Forecast	Variance From 2000 Actual	2002 Forecast	Variance From 2001 Forecast
Hydroelectric	4,629.50	55.92	4,262.53	(366.97)	4,802.55	540.03	5,016.71	214.16	4,271.67	(745.04)	4,271.67	0.00
Holyrood	1,531.30	127.70	1,263.26	(268.04)	919.80	(343.46)	970.28	50.48	1,971.34	1,001.06	2,157.88	186.54
Other Thermal	(0.45)	(3.34)	(0.68)	(0.23)	(0.65)	0.03	(1.98)	(1.33)	3.59	5.57	4.55	0.96
Total Thermal	1,530.85	124.36	1,262.59	(268.27)	919.15	(343.43)	968.30	49.15	1,974.93	1,006.63	2,162.43	187.50
Energy Purchased	6.14	(4.27)	199.98	193.84	161.52	(38.46)	161.18	(0.34)	145.90	(15.28)	145.90	0.00
Less Synchronous Condenser Use	2.10	0.16	7.36	5.25	6.31	(1.04)	4.75	(1.57)	0.00	(4.75)	0.00	0.00
Total Energy Supply	6,164.39	175.86	5,717.73	(446.66)	5,876.91	159.18	6,141.45	264.53	6,392.50	251.05	6,580.00	187.50